Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	11,096	9,649	8,684	0	0
1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	6,333	5,507	4,956	0	0
1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	1,950	13,002	11,702	0	0
1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	3,438	6,217	6,217
1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	253	1,687	1,518	0	0
1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.4 Prepare purchas req and award PO for PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.5 Receive IL PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.6 Assemble PDD test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	2,382	2,609	2,155	2,727	2,371	2,134	0	0
1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	6,217	4,776	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	6,051	0	0	0
1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	6,431	8,904	4,452	0
1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	57	1,137	1,137
1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	2,247	4,085
1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	3,836	0	0
1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	0	0	0	0	0	0	0	3,446	4,923
1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.4 Prepare purchas req and award PO for PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.5 Receive IL PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.6 Assemble PDD test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	8,883	9,771	9,771	8,883	10,579	2,404	0	0	0	0	0
1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	9,192	10,111	5,975	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	11,726	12,899	7,622	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	3,074	3,382	615	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	5,395	26,974
1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	19,560	21,516	21,516	19,560	23,296	4,236	0	0	0	0	0
1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	17,032	4,258	0	0	0	0	0	0	0
1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	512	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	3,880	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	2,120	46,639	4,240	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	4,124	3,240	0	0	0	0	0	0	0
1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	2,708	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet (OBSOLETE)	BCWS	4,351	10,637	10,637	3,384	0	0	0	0	0	0	0
1.0.1.1.2.1.5.4 Prepare purchas req and award PO for PDD parts	BCWS	0	0	0	0	0	0	0	0	993	0	0
1.0.1.1.2.1.5.5 Receive IL PDD parts	BCWS	0	0	0	0	0	0	0	0	7,716	19,840	0
1.0.1.1.2.1.5.6 Assemble PDD test magnet	BCWS	0	0	0	0	0	0	0	0	0	554	11,088
1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	41,356	45,492	16,542	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	1,137	4,548	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	2,164	3,091	927	0	0	0	0	0	0
1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	2,274	3,411	0	0	0	0	0	0
1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	3,317	4,561	415	0	0	0	0
1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	18,517	10,721	0	0	0
1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	25,636	26,986	28,335	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	21,580	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.4 Prepare purchas req and award PO for PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.5 Receive IL PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.6 Assemble PDD test magnet	BCWS	7,762	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	15,029	3,757	0	0	0	0	0
1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.4 Prepare purchas req and award PO for PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.5 Receive IL PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.6 Assemble PDD test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	2,101	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	7,553	22,660	0	0	0	0	0	0	0	0
1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	24,210	0	0	0	0	0	0	0	0
1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	78,503	19,626	0	0	0	0	0	0
1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	9,879	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	4,145	16,581	0	0	0	0	0	0	0	0
1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	65,668	0	0	0	0	0	0	0	0
1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	9,879	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	4,145	16,581	0	0	0	0	0	0	0	0
1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	65,668	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.4 Prepare purchas req and award PO for PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.5 Receive IL PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.6 Assemble PDD test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	16,478	65,912	16,478	0	0	0	0	0	0	0
1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.4 Prepare purchas req and award PO for PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.5 Receive IL PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.6 Assemble PDD test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.4 Prepare purchas req and award PO for PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.5 Receive IL PDD parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.5.6 Assemble PDD test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.0.1.1.1.1.1 Recycler - Remove Electronics Equipment	BCWS	0	0	2,101
1.0.1.1.1.1.2 Recycler - Remove Tanks Q103-Q104 & Q211-Q212	BCWS	0	0	30,213
1.0.1.1.1.1.3 Recycler - Reconstitute Vacuum System	BCWS	0	0	24,210
1.0.1.1.1.2 Remove Ecool Magnets & Devices	BCWS	0	0	98,128
1.0.1.1.1.3.1 Recycler - Remove Lambertsons at Q214/MI221	BCWS	0	0	9,879
1.0.1.1.1.3.2 Recycler - Reconstitute Vacuum System Q214 & MI221	BCWS	0	0	20,726
1.0.1.1.1.3.3 R22 Remove Instrumentation/Trim Magnets	BCWS	0	0	65,668
1.0.1.1.1.4.1 Recycler - Remove Lambertsons at Q328/MI321	BCWS	0	0	9,879
1.0.1.1.1.4.2 Recycler - Reconstitute Vacuum System Q328 & MI Q321	BCWS	0	0	20,726
1.0.1.1.1.4.3 R32 Remove Instrumentation/Trim & Mirror Magnets	BCWS	0	0	65,668
1.0.1.1.2.1.1.4.1 Preliminary IL Installation Planning-1	BCWS	0	0	29,429
1.0.1.1.2.1.1.4.2 Preliminary EL Installation Planning-1	BCWS	0	0	16,796
1.0.1.1.2.1.1.4.3 Preliminary RR-30 SS Installation Planning	BCWS	0	0	50,290
1.0.1.1.2.1.1.4.4 Preliminary IL Installation Planning-2	BCWS	0	0	25,277
1.0.1.1.2.1.1.4.5 Preliminary EL Installation Planning-2	BCWS	0	0	32,247
1.0.1.1.2.1.10.1 Engineering Design Wide Gap MLA-1	BCWS	0	0	26,654
1.0.1.1.2.1.10.2 Engineering Design Wide Gap MLA-2	BCWS	0	0	7,071
1.0.1.1.2.1.2.1 Design IL Magnet Stands	BCWS	0	0	80,957
1.0.1.1.2.1.2.2 Design EL Magnet Stands	BCWS	0	0	53,949
1.0.1.1.2.1.3.1 Design Vertical Dipole Magnet Power Supplies	BCWS	0	0	109,685
1.0.1.1.2.1.3.4 Engineering Design of Bending Magnets	BCWS	0	0	26,866
1.0.1.1.2.1.3.10 Measure ADC prototype	BCWS	0	0	21,291
1.0.1.1.2.1.3.5 Disassemble one (1) ADC and evaluate coil stability	BCWS	0	0	6,051
1.0.1.1.2.1.3.6 Design spacer/coil stabilizer for prototype	BCWS	0	0	19,787
1.0.1.1.2.1.3.7 Prep Req & Award PO for prototype ADC_W parts	BCWS	0	0	2,843
1.0.1.1.2.1.3.8 Receive prototype ADC_W parts	BCWS	0	0	10,212
1.0.1.1.2.1.3.9 Refurbish one (1) ADC as prototype ADCW	BCWS	0	0	52,999
1.0.1.1.2.1.4.2 RR Evaluate Ferrite Capabilities-1	BCWS	0	0	3,458
1.0.1.1.2.1.4.5 Trim spare RQx Magnet	BCWS	0	0	3,836
1.0.1.1.2.1.5.1 Check PDD Design & Tooling	BCWS	0	0	7,365
1.0.1.1.2.1.5.2 RR Evaluate Ferrite Capabilities-2	BCWS	0	0	11,078
1.0.1.1.2.1.5.3 Re Assemble PDD Test Magnet (OBSOLETE)	BCWS	0	0	29,009
1.0.1.1.2.1.5.4 Prepare purchas req and award PO for PDD parts	BCWS	0	0	993
1.0.1.1.2.1.5.5 Receive IL PDD parts	BCWS	0	0	27,556
1.0.1.1.2.1.5.6 Assemble PDD test magnet	BCWS	0	0	19,404
1.0.1.1.2.1.6.1 IL PDDW Magnets Check Engineering Design	BCWS	0	0	18,786
1.0.1.1.2.1.7.1 Corrector Reassignment	BCWS	0	0	0
1.0.1.1.2.1.8.1 Design PDS Magnets-1	BCWS	0	0	14,379
1.0.1.1.2.1.8.2 Design PDS Magnets-2	BCWS	0	0	103,390
1.0.1.1.2.1.8.3 Prep Req & Award PO for SmCo5 bricks for PDS prototype	BCWS	0	0	5,685
1.0.1.1.2.1.8.4 Receive SmCo5 bricks for PDS prototype magnet	BCWS	0	0	6,182
1.0.1.1.2.1.8.5 Prep purch req and award PO for PDS prototype magnet	BCWS	0	0	5,685
1.0.1.1.2.1.8.6 Receive PDS prototype magnet from industry	BCWS	0	0	8,292
1.0.1.1.2.1.8.7 Test prototype PDS magnet	BCWS	0	0	29,238
1.0.1.1.2.2.2.1 Recycler - Remove all 38 Quads from Q301-Q308 & Ship t	BCWS	0	0	98,868
1.0.1.1.2.2.3.1 IL Stakeout Beamline	BCWS	0	0	0
1.0.1.1.2.2.3.2 EL Stakeout Beamline	BCWS	0	0	0
1.0.1.1.2.2.3.3 RR30 Stakeout Beamline	BCWS	0	0	0
1.0.1.1.2.2.3.5 IL Installation Stakeout	BCWS	0	0	0
1.0.1.1.2.2.3.6 EL Installation Stakeout	BCWS	0	0	0
1.0.1.1.2.2.3.7 RR-30 SS Installation Stakeout	BCWS	0	0	0
1.0.1.1.2.2.3.8 BA Mods Installation Stakeout	BCWS	0	0	0
1.0.1.1.2.2.5.1 Final IL Alignment	BCWS	0	0	0
1.0.1.1.2.2.5.2 Final EL Alignment	BCWS	0	0	0
1.0.1.1.2.2.5.3 RR30 Final Alignment	BCWS	0	0	0

Program:	Description:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	527	1,420	0	0	0
1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	3,632	5,028	0	0
1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	2,431	4,051	3,646	0	0
1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	1,170	1,484	1,290	1,161	0	0
1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	13,728	17,160	18,795	15,526	19,697	11,418	0	0	0
1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	2,183	2,084	2,084	2,282	1,885	2,345	2,039	1,835	0	0
1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	4,767	7,945	8,701	7,188	7,648	0	0	0	0
1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	17,463	31,433	0	0
1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	28	610	582	582	638	527	668	581	523	0	0
1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	1,848	2,174	0	0	0	0	0	0
1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	901	8,564	10,595	9,213	8,292	0	0
1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	19,618	58,853	0	0
1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	24,163	72,488	0	0
1.0.1.2.2.1.5 RR Injection Bumper PFN Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	13,250	12,648	816	0	0	0	0	0	0	0
1.0.1.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	68	68	308	0	0
1.0.1.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	2,338	23,066	23,066	0	0	0	0	0	0	0
1.0.1.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	67	448	404	0	0
1.0.1.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.1.5 RR Injection Bumper PFN Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	1,985	298	0	0	0	0	0	0	0	0	0
1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	35,292	38,822	38,822	35,292	16,830	0	0	0	0	0	0
1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	8,919	9,811	9,811	446	0	0	0	0	0	0	0
1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	3,637	4,001	4,001	3,637	4,332	4,332	4,135	4,135	4,478	3,867	4,071
1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	4,164	0
1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	4,650	0	0	0	0	0	0	0	0
1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	1,297	1,482	0
1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.1.5 RR Injection Bumper PFN Design	BCWS	8,774	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	17,063	17,876	16,251	17,973	4,085	0	0	0	0	0
1.0.1.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	7,231	7,955	7,955	7,231	7,991	5,085	0	0	0	0	0
1.0.1.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	14,270	31,394	18,551	0	0	0	0	0	0	0	0
1.0.1.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	20,824	22,906	18,741	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	3,867	4,071	4,682	4,478	3,460	0	0	0	0	0	0
1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.1.5 RR Injection Bumper PFN Design	BCWS	0	0	0	0	0	-8,774	0	0	0	0	10,214
1.0.1.2.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	-64,215	0	0	0	0	0
1.0.1.2.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	23,557	35,336	0	0	0	-58,894	0	0	0	0	15,571

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	55,656
1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	2,504	3,387	3,093	3,093	2,356	0	0	0	0
1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	12,192	16,495	15,061	15,061	11,475	0	0	0	0
1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	3,079	4,166	3,804	3,804	2,898	0	0	0	0
1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	1,540	2,083	1,902	1,902	1,449	0	0	0	0
1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	2,504	3,387	3,093	3,093	2,356	0	0	0	0
1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	1,491	2,018	1,842	1,842	1,404	0	0	0	0
1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	1,776	2,403	2,194	2,194	1,671	0	0	0	0
1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	2,504	3,387	3,093	3,093	2,356	0	0	0	0
1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	3,079	4,166	3,804	3,804	2,898	0	0	0	0
1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	1,540	2,083	1,902	1,902	1,449	0	0	0	0
1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	2,504	3,387	3,093	3,093	2,356	0	0	0	0
1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	4,043	5,471	4,995	4,995	3,806	0	0	0	0
1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	4,043	5,471	4,995	4,995	3,806	0	0	0	0
1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	3,079	4,166	3,804	3,804	2,898	0	0	0	0
1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	1,200	1,624	1,483	1,483	1,130	0	0	0	0
1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	3,120	4,221	3,854	3,854	2,936	0	0	0	0
1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	6,159	8,332	7,608	7,608	5,796	0	0	0	0
1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	2,491	3,370	3,077	3,077	2,344	0	0	0	0
1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	3,079	4,166	3,804	3,804	2,898	0	0	0	0
1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	16,543	4,136	0	0	0	0	0	0	0	0
1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	29,135	19,423	0
1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.1.5 RR Injection Bumper PFN Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	29,173	30,709	7,677	0	0	0	0	0	0	0
1.0.1.2.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	31,144	14,015	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	23,853	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	14,741	25,462	26,802	28,142	16,081	0	0	0	0	0	0
1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.1.5 RR Injection Bumper PFN Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.1.5 RR Injection Bumper PFN Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.1.5 RR Injection Bumper PFN Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
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WP[20]		AUG14	SEP14	Cumulative
1.0.1.1.2.2.5.4 BA Mods Final Alignment	BCWS	0	0	0
1.0.1.1.2.2.6.1 Ensure Availability of Tooling	BCWS	0	0	1,947
1.0.1.1.2.2.6.2 Verify Design Compatibility-1	BCWS	0	0	8,660
1.0.1.1.2.2.6.3 Verify Design Compatibility-2	BCWS	0	0	2,282
1.0.1.1.3.1.2 Intermediate Design 53 Mhz RF System	BCWS	0	0	165,058
1.0.1.1.3.2.1 Procure S&C Disconnect	BCWS	0	0	28,988
1.0.1.1.3.2.2 Assembly of MI60 Anode Supply Room	BCWS	0	0	79,509
1.0.1.1.3.2.3 Test 53 Mhz RF System	BCWS	0	0	111,229
1.0.1.1.4.1 Analyze RR Cooling System Capacities-1	BCWS	0	0	10,128
1.0.1.1.4.2.1 Design Connections for Magnet Change/Move	BCWS	0	0	14,433
1.0.1.1.4.2.2 Design Pipe/Bus Move	BCWS	0	0	70,283
1.0.1.1.4.2.3 Design Water Line Installation to MI-14	BCWS	0	0	17,751
1.0.1.1.4.2.4 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	8,876
1.0.1.1.4.3.1 Design Connections for Magnet Change/Move	BCWS	0	0	14,433
1.0.1.1.4.3.2 Design Water Line Installation to MI-30	BCWS	0	0	8,596
1.0.1.1.4.3.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	10,238
1.0.1.1.4.4.1 Design Connections for Magnet Change/Move	BCWS	0	0	14,433
1.0.1.1.4.4.2 Design Water Line Installation to MI-39	BCWS	0	0	17,751
1.0.1.1.4.4.3 Design Connections for Flourinert & Power Supplies for M	BCWS	0	0	8,876
1.0.1.1.4.5.1 Design Connections for Magnet Change/Move	BCWS	0	0	14,433
1.0.1.1.4.5.2 Design Mods for RF Cavities Q600 Area	BCWS	0	0	23,309
1.0.1.1.4.5.3 Design Mods for Power Supplies MI-60 Gallery	BCWS	0	0	23,309
1.0.1.1.4.6.1 Determine Basic Pump Room Needs	BCWS	0	0	17,751
1.0.1.1.4.6.2 Determine Heat Exchanger Size	BCWS	0	0	6,919
1.0.1.1.4.6.3 Determine Pond Pump Size	BCWS	0	0	17,984
1.0.1.1.4.6.4 Design Pump Room Layout	BCWS	0	0	35,503
1.0.1.1.4.6.5 Design Electrical Service Modifications	BCWS	0	0	14,359
1.0.1.1.4.6.6 Design Instrumentation & Controls Systems	BCWS	0	0	17,751
1.0.1.1.4.7 Analyze RR Cooling System Capacities-2	BCWS	0	0	65,186
1.0.1.1.5.1 53 Mhz RF System Design Review	BCWS	0	0	4,164
1.0.1.1.5.2 53 Mhz RF System Preprocurement Check	BCWS	0	0	0
1.0.1.1.5.3 Recycler Transfer Lines Review	BCWS	0	0	4,650
1.0.1.1.5.4 Recycler Cooling Systems Initial Design Review	BCWS	0	0	20,679
1.0.1.1.5.5 Recycler Cooling System Engineering Design Review	BCWS	0	0	48,558
1.0.1.1.5.6 PDS Magnet Design Review	BCWS	0	0	2,779
1.0.1.2.1.1.11 Finish Design Load & Adaptor (50% Moved Off Proj)	BCWS	0	0	5,104
1.0.1.2.1.1.3 Finish Design Prototype RR Injection & Gap Clearing Kick	BCWS	0	0	96,324
1.0.1.2.1.1.5 Finish Ceramic Beamtube Brazing Test (20% Moved Off Proj	BCWS	0	0	16,737
1.0.1.2.1.1.7 RR Injection & Gap Clearing Design Prototype Magnet PFL	BCWS	0	0	36,249
1.0.1.2.1.2.10 Procure Prototype Load & Adaptor (5% Moved Off Project)	BCWS	0	0	48,896
1.0.1.2.1.2.2 Oversight for Procure of Ceramic Beamtubes Off Project (	BCWS	0	0	4,739
1.0.1.2.1.2.4 Gap Clearing Prep Req & Award PO for Proto Ferrites	BCWS	0	0	4,022
1.0.1.2.1.2.5 Gap Clearing Receive Prototype Ferrites (20% Moved Off P	BCWS	0	0	37,565
1.0.1.2.1.2.6 Procure Tooling for Magnet Potting & Measurement (50% Mo	BCWS	0	0	78,470
1.0.1.2.1.2.7 Gap Clearing Procure parts & Fluorinert for prototype ma	BCWS	0	0	96,651
1.0.1.2.2.1.5 RR Injection Bumper PFN Design	BCWS	0	0	10,213
1.0.1.2.2.2.1 RR Injection & Gap Clearing Prep Req & Award PO for Part	BCWS	0	0	26,715
1.0.1.2.2.2.10 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	444
1.0.1.2.2.2.11 RR Injection & Pre-production Pulser Receive All Cable	BCWS	0	0	73,247
1.0.1.2.2.2.12 RR Injection Pre-production Pulser Procure Spare Cable	BCWS	0	0	43,448
1.0.1.2.2.2.13 RR Injection Bumper PFN Procure Parts	BCWS	0	0	67,559
1.0.1.2.2.2.14 RR Injection Resonant Charger Procure Parts for 1 Assy	BCWS	0	0	62,471
1.0.1.2.2.2.2 RR Injection & Gap Clearing Receive Parts & Fluorinert f	BCWS	0	0	48,470
1.0.1.2.2.2.7 RR Injection Pre-production Pulser Prep Req & Award PO f	BCWS	0	0	919
1.0.1.2.2.2.8 RR Injection Pre-production Pulser Receive 5 PFL Frames	BCWS	0	0	60,730

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	19	130	117	0	0
1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	16,459	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	1,393	3,747	2,901	0	0	0	0	0	0	0
1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	84,007	0	0	0	0	0	0	0
1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	4,358	9,300	5,666	0	0	0	0
1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.9 HV test MI inj test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	6,561	7,290	7,984	6,595	7,827	0	0	0	0
1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.9 HV test MI inj test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	0	0	0	0	0	0	0	451	601
1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	4,214	211	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	3,236	5,394	0	0	0	0	0	0	0
1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	1,425	7,126	0	0	0	0	0	0	0
1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	41,034	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	41,483	45,631	37,334	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	40,944	45,038	45,038	32,755	0	0	0	0	0	0	0
1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	2,906	2,906	0	0	0	0	0	0	0
1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	2,086	16,559	11,290	0	0	0	0	0
1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	25,933	36,306	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	1,514	8,324	5,297	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	11,969	29,923	18,393	0	0	0	0	0	0
1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	5,415	2,707	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	11,152	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.9 HV test MI inj test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	52,547	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	18,773	20,651	20,651	15,019	0	0	0	0	0	0	0
1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	8,929	8,079	0	0	0	0	0	0	0	0
1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	4,375	4,375	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	165,454	0	0	0
1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	1,259	6,294	5,458	0	0	0	0	0	0
1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	8,017
1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	5,090	5,090	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	1,594	17,531	12,750	0	0	0	0	0	0	0
1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	904	994	994	723	0	0	0	0	0	0	0
1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	1,648	1,491	0	0	0	0	0	0	0	0
1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	1,318	8,789	9,845	9,845	5,818	0	0	0	0
1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	40,386	0	0
1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	14,016	2,803	0
1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	210	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	627	7,208	6,895	6,268	6,895	2,821	0	0	0	0
1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	4,205	0	0	0	0
1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	-8,630	0	0	0	0	0
1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	13,028	18,973	17,166
1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	9,955	0	0	0	0
1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	22,541	21,517	14,852	0
1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	-1,977	-60,262	0	0	0	0
1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	20,018	57,195
1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	-8,123	0	0	0	0	0
1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	-11,151	0	0	0	0	0
1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.9 HV test MI inj test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	0	0	0	-75,095	0	0	0	0	0
1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	30,946	37,461	35,832	26,060	0	0	0	0	0	0
1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	76,161	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	48,563	48,563	0	0	0	0	0	0	0	0
1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	8,433	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	2,803	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	11,604	63,823	11,604	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	10,820	2,164	0	0	0
1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	12,984	0	0	0	0	0
1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	7,536	2,512	0	0	0	0	0	0
1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	20,212	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	7,291	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	12,432	37,296	22,286
1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	8,117	77,114	73,056	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	43,506	21,753	0	0	0	0	0	0	0
1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	37,177	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	7,997	91,968	19,993	0	0	0	0	0	0
1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	9,457	0	0	0	0	0	0	0
1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	8,195	43,024	45,073	40,976	32,781	0	0
1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	2,621	0	0	0	0
1.0.1.2.4.2.3.9 HV test MI inj test magnet	BCWS	1,335	2,289	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	20,264	21,331	24,530	18,131	0	0	0	0	0	0
1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	13,607	0	0	0	0	0
1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.9 HV test MI inj test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.9 HV test MI inj test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.4.2.3.9 HV test MI inj test magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.0.1.2.2.2.9 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-1	BCWS	0	0	266
1.0.1.2.2.2.15 RR Injection Pre-production Pulser Prep Req & Award PO	BCWS	0	0	1,263
1.0.1.2.2.2.16 RR Inj & Pre-prod Pulser Procure 3 Spare PFL Frames-2	BCWS	0	0	30,714
1.0.1.2.2.2.17 RR Injection & Pre-production Pulser Prep Req & Award	BCWS	0	0	4,425
1.0.1.2.2.3.11 RR Inj Install 3 Spare PFL Frames in MI-14 Bldg	BCWS	0	0	4,205
1.0.1.2.2.3.13 RR Injection Bumper PFN Install in MI-14	BCWS	0	0	12,984
1.0.1.2.2.3.14 RR Injection Install Resonant Charger in MI-14	BCWS	0	0	12,984
1.0.1.2.2.3.3 RR Injection Clear Transfer Gallery Cage for Prototype T	BCWS	0	0	16,459
1.0.1.2.2.3.4 RR Injection Bumper PFN Assemble & Test	BCWS	0	0	10,048
1.0.1.2.2.3.5 RR Injection HV & Impedance Testing of Cable	BCWS	0	0	49,167
1.0.1.2.2.3.6 RR Inj Wind 5 Cables on PFL frames	BCWS	0	0	20,212
1.0.1.2.2.3.7 RR Inj Wind Cables on 3 Spare PFL Frames	BCWS	0	0	9,955
1.0.1.2.2.3.8 RR Injection Install 5 PFL Frames in MI-14 Bldg	BCWS	0	0	7,291
1.0.1.2.2.3.9 RR Injection Resonant Charger Assemble & Test 1 Assys	BCWS	0	0	8,552
1.0.1.2.3.4 Procure Vacuum Parts & Stands for RR Injection Bumper Magn	BCWS	0	0	8,040
1.0.1.2.3.5 Procure Bumper Magnet from Spares	BCWS	0	0	84,007
1.0.1.2.3.6 Pull Cables & Install Magnet in MI @Q103	BCWS	0	0	19,324
1.0.1.2.4.1.1 RR Extract/MI Inject/RR Abort Kicker Magnet Design Mods	BCWS	0	0	41,034
1.0.1.2.4.1.3 RR Extraction/MI Injection Kicker Design for Fluorinert	BCWS	0	0	124,448
1.0.1.2.4.2.1.1 Design Prototype MI Injection Kicker Tail Bumper Power	BCWS	0	0	163,775
1.0.1.2.4.2.1.2 Revise MI Injection Kicker Prototype Tail Bumper PS De	BCWS	0	0	72,014
1.0.1.2.4.2.2.1 Prep Req & Award PO for Capacitors & Ferrites for 1 Te	BCWS	0	0	5,813
1.0.1.2.4.2.2.2 Receive Capacitors & Ferrites for 1 Test Magnet	BCWS	0	0	58,910
1.0.1.2.4.2.2.4 Prep Req & Award PO for Parts & Fluorinert for Prototy	BCWS	0	0	29,934
1.0.1.2.4.2.2.5 Receive Parts & Fluorinert for Prototype Tail Bumper P	BCWS	0	0	158,287
1.0.1.2.4.2.2.6 MI Injection Bumper PFN Procure Parts	BCWS	0	0	65,258
1.0.1.2.4.2.2.7 Prep Req & Award PO for Parts & Fluorinert for 1 Test	BCWS	0	0	15,135
1.0.1.2.4.2.2.8 Receive Parts & Fluorinert for 1 Test Magnet	BCWS	0	0	60,285
1.0.1.2.4.2.3.2 MI Injection Assemble Test Magnet	BCWS	0	0	114,390
1.0.1.2.4.2.3.3 MI Inj Assemble Prototype Tail Bumper PS Pulser	BCWS	0	0	119,958
1.0.1.2.4.2.3.4 MI Inj Bumper PFN Assemble & Test	BCWS	0	0	9,456
1.0.1.2.4.2.3.5 Install MI Injection Bumper PFN in MI-30	BCWS	0	0	13,609
1.0.1.2.4.2.3.7 MI Inj High Voltage Testing of Prototype Tail Bumper w	BCWS	0	0	170,049
1.0.1.2.4.2.3.8 RR Inj Move Fluorinert Skid A to MI-14 for HV Testing	BCWS	0	0	2,621
1.0.1.2.4.2.3.9 HV test MI inj test magnet	BCWS	0	0	3,624
1.0.1.2.5.1.1 RR Ext Line Kicker PS Update Current HV Pulser Design	BCWS	0	0	52,547
1.0.1.2.5.1.2 Design MI Injection/RR Extraction/Beam Abort Prototype M	BCWS	0	0	36,257
1.0.1.2.5.2.1 MI Inj Resonant Charger Procure	BCWS	0	0	84,255
1.0.1.2.5.2.10 RR Extract Line Kicker PS Prep Req & Award PO for All O	BCWS	0	0	17,009
1.0.1.2.5.2.11 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	130,299
1.0.1.2.5.2.12 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	8,750
1.0.1.2.5.2.13 MI Inj/RR Extraction/Beam Abort Line Kicker Receive Cab	BCWS	0	0	165,454
1.0.1.2.5.2.2 MI Inj Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	13,010
1.0.1.2.5.2.3 MI Inject Kicker Receive Parts & Fluorinert for Cooling	BCWS	0	0	84,178
1.0.1.2.5.2.4 MI Inj Kicker Assemble Fluorinert Cooling Skid D in MI-3	BCWS	0	0	97,127
1.0.1.2.5.2.5 MI Injection Kicker PS Prep Req & Award PO for 12 PFL Fr	BCWS	0	0	10,180
1.0.1.2.5.2.6 MI Injection Kicker PS Receive 12 PFL Frames	BCWS	0	0	31,874
1.0.1.2.5.2.7 MI Inj Kicker PS Procure 2 Hot Spare PFL Frames	BCWS	0	0	3,616
1.0.1.2.5.2.8 RR Extraction Line Kicker PS Prep Req & Award PO for Thy	BCWS	0	0	3,139
1.0.1.2.5.2.9 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	35,615
1.0.1.2.5.3.1 MI Injection Kicker PS Wind Cables on 12 PFL frames	BCWS	0	0	40,386
1.0.1.2.5.3.2 MI Inj Kicker PS Wind Cables on 2 Spare Hot PFL Frames	BCWS	0	0	8,433
1.0.1.2.5.3.3 MI Injection Kicker PS Install 12 PFL Frames in MI-30	BCWS	0	0	16,820
1.0.1.2.5.3.4 MI Injection Kicker PS Install 2 Spare PFL Frames in MI-	BCWS	0	0	2,803
1.0.1.2.5.3.5 RR Extraction Kicker PS Assemble 1 HV pulsers (Incl Cont	BCWS	0	0	87,032

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	4,664	0	0	0	0	0	0	0	0	0
1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	2,695	3,368	2,928	2,636	0	0
1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.1 Design, Modify, Install & Test Beam Swtch Sum Box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.2 Design, Modify, Install & Test MI beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.3 Design, Modify, Install & Test RR beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.4 Design, Modify, Install & Test TClock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.5 Design, Modify, Install & Test MI low level RF system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.1 RR Low Level RF System Initial Design	BCWS	0	31,823	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.2 RR Low Level RF System Design-1	BCWS	0	108	2,262	2,262	2,478	2,047	2,596	2,258	2,032	0	0
1.0.2.1.1.2.3 RR Low Level RF System Develop Hardware/Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.4 RR Low Level RF System Test Prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.5 RR Low Level RF System Design-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.3 Design & Install Injection Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.4 Design & Install Extraction Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.1 Define & install inputs to RR beam permit system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.2 Modify Timeline Generator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.3 Configure & install kicker timing controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.1 RR Low Level RF System Recover & Test Decommissioned	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.2 RR Low Level RF System Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.3 RR Low Level RF System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.4 RR Low Level RF System Startup	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.1 Removal of 3 Lambertson Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.2 Remove Kicker Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.3 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.4 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.1 2.5 Mhz Cavity (6) Removal Incl Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.2 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.3 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.1 Analyze MI LCW & Pond Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	2,333	4,200	0	0
1.0.2.1.4.2 Analyze MI LCW & Pond Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.1 MI LCW & Pond Cooling System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.2 Des & Modify RR Low Level RF System Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.1.2 MI RF Cavities Finish Design of Bus Bar	BCWS	0	5,488	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.1 Analyze MI Cavity & RF Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	2,008	3,615	0	0
1.0.2.2.1.3.2 Design RF Cavity Connections Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.3 Design RF Power Supply Connections MI-61 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.4 Analyze MI Cavity & RF Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.1 MI RF Cavity Pre-install Testing (Existing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.2.1 MI RF Cavities Utility Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.1 MI RF Cavity Cooling System Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.2 MI RF Cavity Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.3.1 MI Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.1 Design, Modify, Install & Test Beam Swtch Sum Box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.2 Design, Modify, Install & Test MI beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.3 Design, Modify, Install & Test RR beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.4 Design, Modify, Install & Test TClock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.5 Design, Modify, Install & Test MI low level RF system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.1 RR Low Level RF System Initial Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.2 RR Low Level RF System Design-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.3 RR Low Level RF System Develop Hardware/Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.4 RR Low Level RF System Test Prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.5 RR Low Level RF System Design-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.3 Design & Install Injection Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.4 Design & Install Extraction Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.1 Define & install inputs to RR beam permit system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.2 Modify Timeline Generator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.3 Configure & install kicker timing controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.1 RR Low Level RF System Recover & Test Decommissioned	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.2 RR Low Level RF System Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.3 RR Low Level RF System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.4 RR Low Level RF System Startup	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.1 Removal of 3 Lambertson Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.2 Remove Kicker Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.3 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.4 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.1 2.5 Mhz Cavity (6) Removal Incl Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.2 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.3 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.1 Analyze MI LCW & Pond Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.2 Analyze MI LCW & Pond Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.1 MI LCW & Pond Cooling System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.2 Des & Modify RR Low Level RF System Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.1.2 MI RF Cavities Finish Design of Bus Bar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.1 Analyze MI Cavity & RF Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.2 Design RF Cavity Connections Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.3 Design RF Power Supply Connections MI-61 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.4 Analyze MI Cavity & RF Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.1 MI RF Cavity Pre-install Testing (Existing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.2.1 MI RF Cavities Utility Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.1 MI RF Cavity Cooling System Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.2 MI RF Cavity Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.3.1 MI Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	7,886	0	0	0	0	0	0	0
1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	1,860	0	0	0	0	0	0	0
1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	1,860	0	0	0	0	0	0	0	0	0
1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	4,058	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	4,650	233	0	0	0	0	0	0	0	0	0
1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	3,243	3,568	1,297	0	0	0	0	0	0	0	0
1.0.2.1.1.1.1 Design, Modify, Install & Test Beam Swtch Sum Box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.2 Design, Modify, Install & Test MI beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.3 Design, Modify, Install & Test RR beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.4 Design, Modify, Install & Test TClock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.5 Design, Modify, Install & Test MI low level RF system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.1 RR Low Level RF System Initial Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.2 RR Low Level RF System Design-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.3 RR Low Level RF System Develop Hardware/Software	BCWS	0	0	18,709	26,727	31,299	31,299	29,877	25,609	0	0	0
1.0.2.1.1.2.4 RR Low Level RF System Test Prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.5 RR Low Level RF System Design-2	BCWS	8,308	9,139	3,323	0	0	0	0	0	0	0	0
1.0.2.1.1.3 Design & Install Injection Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.4 Design & Install Extraction Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.1 Define & install inputs to RR beam permit system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.2 Modify Timeline Generator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.3 Configure & install kicker timing controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.1 RR Low Level RF System Recover & Test Decommissioned	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.2 RR Low Level RF System Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.3 RR Low Level RF System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.4 RR Low Level RF System Startup	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.1 Removal of 3 Lambertson Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.2 Remove Kicker Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.3 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.4 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.1 2.5 Mhz Cavity (6) Removal Incl Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.2 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.3 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.1 Analyze MI LCW & Pond Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.2 Analyze MI LCW & Pond Cooling System Capacities-2	BCWS	2,424	2,666	2,666	2,424	2,886	2,886	2,755	2,755	2,984	2,577	2,713
1.0.2.1.5.1 MI LCW & Pond Cooling System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.2 Des & Modify RR Low Level RF System Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.1.2 MI RF Cavities Finish Design of Bus Bar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.1 Analyze MI Cavity & RF Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.2 Design RF Cavity Connections Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.3 Design RF Power Supply Connections MI-61 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.4 Analyze MI Cavity & RF Cooling System Capacities-2	BCWS	2,029	2,232	2,232	2,029	2,416	2,416	2,307	2,307	2,498	2,157	2,271
1.0.2.2.2.1 MI RF Cavity Pre-install Testing (Existing)	BCWS	31,302	31,302	0	0	0	0	0	0	0	0	0
1.0.2.2.2.2.1 MI RF Cavities Utility Modifications	BCWS	0	0	16,069	0	0	0	0	0	0	0	0
1.0.2.2.3.1 MI RF Cavity Cooling System Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.2 MI RF Cavity Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.3.1 MI Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.3.1 Instrumentation Design Review	BCWS	2,342	0	0	0	0	0	0	0	0	0	0
1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.1 Design, Modify, Install & Test Beam Swtch Sum Box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.2 Design, Modify, Install & Test MI beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.3 Design, Modify, Install & Test RR beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.4 Design, Modify, Install & Test TClock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.5 Design, Modify, Install & Test MI low level RF system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.1 RR Low Level RF System Initial Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.2 RR Low Level RF System Design-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.3 RR Low Level RF System Develop Hardware/Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.4 RR Low Level RF System Test Prototype	BCWS	0	0	0	0	0	12,322	13,619	14,268	13,619	14,289	13,609
1.0.2.1.1.2.5 RR Low Level RF System Design-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.3 Design & Install Injection Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.4 Design & Install Extraction Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.1 Define & install inputs to RR beam permit system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.2 Modify Timeline Generator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.3 Configure & install kicker timing controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.1 RR Low Level RF System Recover & Test Decommissioned	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.2 RR Low Level RF System Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.3 RR Low Level RF System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.4 RR Low Level RF System Startup	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.1 Removal of 3 Lambertson Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.2 Remove Kicker Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.3 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.4 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.1 2.5 Mhz Cavity (6) Removal Incl Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.2 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.3 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.1 Analyze MI LCW & Pond Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.2 Analyze MI LCW & Pond Cooling System Capacities-2	BCWS	2,577	2,713	3,119	2,984	814	0	0	0	0	0	0
1.0.2.1.5.1 MI LCW & Pond Cooling System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.2 Des & Modify RR Low Level RF System Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.1.2 MI RF Cavities Finish Design of Bus Bar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.1 Analyze MI Cavity & RF Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.2 Design RF Cavity Connections Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.3 Design RF Power Supply Connections MI-61 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.4 Analyze MI Cavity & RF Cooling System Capacities-2	BCWS	2,157	2,271	2,612	2,498	795	0	0	0	0	0	0
1.0.2.2.2.1 MI RF Cavity Pre-install Testing (Existing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.2.1 MI RF Cavities Utility Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.1 MI RF Cavity Cooling System Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.2 MI RF Cavity Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.3.1 MI Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.1 Design, Modify, Install & Test Beam Swtch Sum Box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.2 Design, Modify, Install & Test MI beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.3 Design, Modify, Install & Test RR beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.4 Design, Modify, Install & Test TClock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.5 Design, Modify, Install & Test MI low level RF system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.1 RR Low Level RF System Initial Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.2 RR Low Level RF System Design-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.3 RR Low Level RF System Develop Hardware/Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.4 RR Low Level RF System Test Prototype	BCWS	13,609	12,928	13,609	8,846	0	0	0	0	0	0	0
1.0.2.1.1.2.5 RR Low Level RF System Design-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.3 Design & Install Injection Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.4 Design & Install Extraction Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.1 Define & install inputs to RR beam permit system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.2 Modify Timeline Generator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.3 Configure & install kicker timing controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.1 RR Low Level RF System Recover & Test Decommissioned	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.2 RR Low Level RF System Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.3 RR Low Level RF System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.4 RR Low Level RF System Startup	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.1 Removal of 3 Lambertson Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.2 Remove Kicker Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.3 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.4 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.1 2.5 Mhz Cavity (6) Removal Incl Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.2 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.3 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.1 Analyze MI LCW & Pond Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.2 Analyze MI LCW & Pond Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.1 MI LCW & Pond Cooling System Design Review	BCWS	10,722	3,064	0	0	0	0	0	0	0	0	0
1.0.2.1.5.2 Des & Modify RR Low Level RF System Review	BCWS	0	0	0	8,882	0	0	0	0	0	0	0
1.0.2.2.1.1.2 MI RF Cavities Finish Design of Bus Bar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.1 Analyze MI Cavity & RF Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.2 Design RF Cavity Connections Q600 Region	BCWS	0	1,087	1,811	2,083	1,902	1,902	91	0	0	0	0
1.0.2.2.1.3.3 Design RF Power Supply Connections MI-61 Gallery	BCWS	0	1,087	1,811	2,083	1,902	1,902	91	0	0	0	0
1.0.2.2.1.3.4 Analyze MI Cavity & RF Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.1 MI RF Cavity Pre-install Testing (Existing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.2.1 MI RF Cavities Utility Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.1 MI RF Cavity Cooling System Initial Design Review	BCWS	10,339	10,339	0	0	0	0	0	0	0	0	0
1.0.2.2.3.2 MI RF Cavity Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	3,237	45,321	0	0
1.0.2.3.1 MI Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.1 Design, Modify, Install & Test Beam Swtch Sum Box	BCWS	0	7,611	18,266	0	0	0	0	0	0	0	0
1.0.2.1.1.1.2 Design, Modify, Install & Test MI beam sync clock	BCWS	0	7,756	3,102	0	0	0	0	0	0	0	0
1.0.2.1.1.1.3 Design, Modify, Install & Test RR beam sync clock	BCWS	0	0	0	10,858	0	0	0	0	0	0	0
1.0.2.1.1.1.4 Design, Modify, Install & Test TClock	BCWS	0	0	0	10,858	0	0	0	0	0	0	0
1.0.2.1.1.1.5 Design, Modify, Install & Test MI low level RF system	BCWS	0	0	0	10,772	25,135	0	0	0	0	0	0
1.0.2.1.1.2.1 RR Low Level RF System Initial Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.2 RR Low Level RF System Design-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.3 RR Low Level RF System Develop Hardware/Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.4 RR Low Level RF System Test Prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.5 RR Low Level RF System Design-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.3 Design & Install Injection Line Controls	BCWS	0	0	0	0	0	35,612	0	0	0	0	0
1.0.2.1.1.4 Design & Install Extraction Line Controls	BCWS	0	0	0	0	0	33,039	0	0	0	0	0
1.0.2.1.1.5.1 Define & install inputs to RR beam permit system	BCWS	0	5,645	22,580	10,161	0	0	0	0	0	0	0
1.0.2.1.1.5.2 Modify Timeline Generator	BCWS	0	0	0	9,826	12,010	0	0	0	0	0	0
1.0.2.1.1.5.3 Configure & install kicker timing controls	BCWS	0	0	0	16,888	20,641	0	0	0	0	0	0
1.0.2.1.1.6.1 RR Low Level RF System Recover & Test Decommissioned	BCWS	0	4,114	16,456	3,291	0	0	0	0	0	0	0
1.0.2.1.1.6.2 RR Low Level RF System Install	BCWS	0	0	0	33,911	33,911	0	0	0	0	0	0
1.0.2.1.1.6.3 RR Low Level RF System Test	BCWS	0	0	0	0	7,406	31,107	32,588	1,481	0	0	0
1.0.2.1.1.6.4 RR Low Level RF System Startup	BCWS	0	0	0	0	0	0	0	29,062	7,266	0	0
1.0.2.1.2.1 Removal of 3 Lambertson Magnets	BCWS	0	14,161	0	0	0	0	0	0	0	0	0
1.0.2.1.2.2 Remove Kicker Magnet	BCWS	0	1,528	0	0	0	0	0	0	0	0	0
1.0.2.1.2.3 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.4 Reconstitute Vacuum	BCWS	0	3,056	4,585	0	0	0	0	0	0	0	0
1.0.2.1.3.1 2.5 Mhz Cavity (6) Removal Incl Cables	BCWS	0	3,056	0	0	0	0	0	0	0	0	0
1.0.2.1.3.2 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.3 Reconstitute Vacuum	BCWS	0	1,528	6,113	0	0	0	0	0	0	0	0
1.0.2.1.4.1 Analyze MI LCW & Pond Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.2 Analyze MI LCW & Pond Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.1 MI LCW & Pond Cooling System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.2 Des & Modify RR Low Level RF System Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.1.2 MI RF Cavities Finish Design of Bus Bar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.1 Analyze MI Cavity & RF Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.2 Design RF Cavity Connections Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.3 Design RF Power Supply Connections MI-61 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.4 Analyze MI Cavity & RF Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.1 MI RF Cavity Pre-install Testing (Existing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.2.1 MI RF Cavities Utility Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.1 MI RF Cavity Cooling System Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.2 MI RF Cavity Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.3.1 MI Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	15,282	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	54,895	0	0	0	0	0	0	0	0
1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	3,056	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.1 Design, Modify, Install & Test Beam Swtch Sum Box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.2 Design, Modify, Install & Test MI beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.3 Design, Modify, Install & Test RR beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.4 Design, Modify, Install & Test TClock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.5 Design, Modify, Install & Test MI low level RF system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.1 RR Low Level RF System Initial Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.2 RR Low Level RF System Design-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.3 RR Low Level RF System Develop Hardware/Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.4 RR Low Level RF System Test Prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.5 RR Low Level RF System Design-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.3 Design & Install Injection Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.4 Design & Install Extraction Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.1 Define & install inputs to RR beam permit system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.2 Modify Timeline Generator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.3 Configure & install kicker timing controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.1 RR Low Level RF System Recover & Test Decommissioned	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.2 RR Low Level RF System Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.3 RR Low Level RF System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.4 RR Low Level RF System Startup	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.1 Removal of 3 Lambertson Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.2 Remove Kicker Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.3 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.4 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.1 2.5 Mhz Cavity (6) Removal Incl Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.2 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.3 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.1 Analyze MI LCW & Pond Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.2 Analyze MI LCW & Pond Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.1 MI LCW & Pond Cooling System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.2 Des & Modify RR Low Level RF System Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.1.2 MI RF Cavities Finish Design of Bus Bar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.1 Analyze MI Cavity & RF Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.2 Design RF Cavity Connections Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.3 Design RF Power Supply Connections MI-61 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.4 Analyze MI Cavity & RF Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.1 MI RF Cavity Pre-install Testing (Existing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.2.1 MI RF Cavities Utility Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.1 MI RF Cavity Cooling System Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.2 MI RF Cavity Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.3.1 MI Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.1 Design, Modify, Install & Test Beam Swtch Sum Box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.2 Design, Modify, Install & Test MI beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.3 Design, Modify, Install & Test RR beam sync clock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.4 Design, Modify, Install & Test TClock	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.1.5 Design, Modify, Install & Test MI low level RF system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.1 RR Low Level RF System Initial Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.2 RR Low Level RF System Design-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.3 RR Low Level RF System Develop Hardware/Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.4 RR Low Level RF System Test Prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.2.5 RR Low Level RF System Design-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.3 Design & Install Injection Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.4 Design & Install Extraction Line Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.1 Define & install inputs to RR beam permit system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.2 Modify Timeline Generator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.5.3 Configure & install kicker timing controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.1 RR Low Level RF System Recover & Test Decommissioned	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.2 RR Low Level RF System Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.3 RR Low Level RF System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.1.6.4 RR Low Level RF System Startup	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.1 Removal of 3 Lambertson Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.2 Remove Kicker Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.3 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.2.4 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.1 2.5 Mhz Cavity (6) Removal Incl Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.2 Align Beam Pipe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.3.3 Reconstitute Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.1 Analyze MI LCW & Pond Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.4.2 Analyze MI LCW & Pond Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.1 MI LCW & Pond Cooling System Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.1.5.2 Des & Modify RR Low Level RF System Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.1.2 MI RF Cavities Finish Design of Bus Bar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.1 Analyze MI Cavity & RF Cooling System Capacities-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.2 Design RF Cavity Connections Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.3 Design RF Power Supply Connections MI-61 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.1.3.4 Analyze MI Cavity & RF Cooling System Capacities-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.1 MI RF Cavity Pre-install Testing (Existing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.2.2.1 MI RF Cavities Utility Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.1 MI RF Cavity Cooling System Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.2.3.2 MI RF Cavity Cooling System Engineering Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.2.3.1 MI Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.0.1.2.6.4 Review Final Design of All Kicker Systems	BCWS	0	0	7,886
1.0.1.2.6.6 MI Injection Kicker Tail Bumper PS Design Review	BCWS	0	0	1,860
1.0.1.2.6.7 RR Extraction PS System Design Review	BCWS	0	0	1,860
1.0.1.2.6.8 RR Extract/MI Inject/RR Abort Kicker Magnet Design Review	BCWS	0	0	4,058
1.0.1.3.1.1 Design BPM Cables & Transition Boards	BCWS	0	0	4,664
1.0.1.3.1.2 Finalize Design BPM Cables & Transition Boards	BCWS	0	0	4,883
1.0.1.3.2.1.1 Design Longitudinal Dampers	BCWS	0	0	0
1.0.1.3.2.2.1 Design Transverse Dampers	BCWS	0	0	0
1.0.1.3.3.1 Instrumentation Design Review	BCWS	0	0	2,342
1.0.1.4.1 Recycler Radiation Shielding Study-1	BCWS	0	0	11,627
1.0.1.4.2 Recycler - Review & Revise Shielding Assessment	BCWS	0	0	0
1.0.1.4.4 Recycler Radiation Shielding Study-2	BCWS	0	0	8,109
1.0.2.1.1.1.1 Design, Modify, Install & Test Beam Swtch Sum Box	BCWS	0	0	25,877
1.0.2.1.1.1.2 Design, Modify, Install & Test MI beam sync clock	BCWS	0	0	10,858
1.0.2.1.1.1.3 Design, Modify, Install & Test RR beam sync clock	BCWS	0	0	10,858
1.0.2.1.1.1.4 Design, Modify, Install & Test TClock	BCWS	0	0	10,858
1.0.2.1.1.1.5 Design, Modify, Install & Test MI low level RF system	BCWS	0	0	35,907
1.0.2.1.1.2.1 RR Low Level RF System Initial Design	BCWS	0	0	31,823
1.0.2.1.1.2.2 RR Low Level RF System Design-1	BCWS	0	0	16,042
1.0.2.1.1.2.3 RR Low Level RF System Develop Hardware/Software	BCWS	0	0	163,520
1.0.2.1.1.2.4 RR Low Level RF System Test Prototype	BCWS	0	0	130,716
1.0.2.1.1.2.5 RR Low Level RF System Design-2	BCWS	0	0	20,770
1.0.2.1.1.3 Design & Install Injection Line Controls	BCWS	0	0	35,612
1.0.2.1.1.4 Design & Install Extraction Line Controls	BCWS	0	0	33,039
1.0.2.1.1.5.1 Define & install inputs to RR beam permit system	BCWS	0	0	38,386
1.0.2.1.1.5.2 Modify Timeline Generator	BCWS	0	0	21,836
1.0.2.1.1.5.3 Configure & install kicker timing controls	BCWS	0	0	37,529
1.0.2.1.1.6.1 RR Low Level RF System Recover & Test Decommissioned	BCWS	0	0	23,861
1.0.2.1.1.6.2 RR Low Level RF System Install	BCWS	0	0	67,822
1.0.2.1.1.6.3 RR Low Level RF System Test	BCWS	0	0	72,583
1.0.2.1.1.6.4 RR Low Level RF System Startup	BCWS	0	0	36,328
1.0.2.1.2.1 Removal of 3 Lambertson Magnets	BCWS	0	0	14,161
1.0.2.1.2.2 Remove Kicker Magnet	BCWS	0	0	1,528
1.0.2.1.2.3 Align Beam Pipe	BCWS	0	0	0
1.0.2.1.2.4 Reconstitute Vacuum	BCWS	0	0	7,641
1.0.2.1.3.1 2.5 Mhz Cavity (6) Removal Incl Cables	BCWS	0	0	3,056
1.0.2.1.3.2 Align Beam Pipe	BCWS	0	0	0
1.0.2.1.3.3 Reconstitute Vacuum	BCWS	0	0	7,641
1.0.2.1.4.1 Analyze MI LCW & Pond Cooling System Capacities-1	BCWS	0	0	6,533
1.0.2.1.4.2 Analyze MI LCW & Pond Cooling System Capacities-2	BCWS	0	0	41,942
1.0.2.1.5.1 MI LCW & Pond Cooling System Design Review	BCWS	0	0	13,786
1.0.2.1.5.2 Des & Modify RR Low Level RF System Review	BCWS	0	0	8,882
1.0.2.2.1.1.2 MI RF Cavities Finish Design of Bus Bar	BCWS	0	0	5,488
1.0.2.2.1.3.1 Analyze MI Cavity & RF Cooling System Capacities-1	BCWS	0	0	5,623
1.0.2.2.1.3.2 Design RF Cavity Connections Q600 Region	BCWS	0	0	8,876
1.0.2.2.1.3.3 Design RF Power Supply Connections MI-61 Gallery	BCWS	0	0	8,876
1.0.2.2.1.3.4 Analyze MI Cavity & RF Cooling System Capacities-2	BCWS	0	0	35,228
1.0.2.2.2.1 MI RF Cavity Pre-install Testing (Existing)	BCWS	0	0	62,603
1.0.2.2.2.2.1 MI RF Cavities Utility Modifications	BCWS	0	0	16,069
1.0.2.2.3.1 MI RF Cavity Cooling System Initial Design Review	BCWS	0	0	20,679
1.0.2.2.3.2 MI RF Cavity Cooling System Engineering Design Review	BCWS	0	0	48,558
1.0.2.3.1 MI Review & Revise Shielding Assessment	BCWS	0	0	0
1.0.3.1.2.1 Test 3Q120 Quads to be Recovered	BCWS	0	0	15,282
1.0.3.1.2.2.1 Recover A1 Line 3Q120 Quads	BCWS	0	0	54,895
1.0.3.1.2.2.2 3Q120 Quads Disconnect Water	BCWS	0	0	3,056

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.4 Target Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	7,447	7,108	7,108	7,785	6,431	8,159	7,095	6,385	0	0
1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	0	323	7,795	6,779	6,101	0	0
1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	0	896	15,207	12,562	15,937	3,234	0	0	0
1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	0	15,595	12,402	0	0
1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.4 Target Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	4,305	1,076	0	0	0	0	0	0	0
1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	12,957	3,534	0	0	0	0	0	0	0	0
1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	4,628	5,785	6,363	6,363	6,074	6,074	894	0	0
1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	5,210	5,210	2,742
1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	2,627	28,895	26,268	5,688	0	0	0	0	0	0
1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	13,712	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	27,807	0	0	0	0	0	0	0	0	0	0
1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	11,842	0	0	0	0	0	0	0	0	0
1.0.3.2.4.4 Target Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	22,584	12,703	0	0	0	0	0	0	0	0
1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	103,622	10,362	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	8,896	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	0	17,850	38,653	38,653	36,896	36,896	30,877	0	0
1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	16,387	18,025	17,206	0	0	0	0	0	0	0	0
1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	0	23,879	47,759	8,683	0	0	0	0	0
1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	92,610	9,261	0	0	0	0	0	0	0	0
1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	15,206	16,726	5,322	0	0	0	0	0	0	0	0
1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	0	0	0	4,248	29,733	1,416	0	0	0
1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	14,746	13,406	14,746	14,746	2,681	0	0	0	0
1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	0	0	0	0	0	17,078	21,096	23,129	19,975	21,026
1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	34,239	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	1,184	10,658	0	0	0	0	0	0	0
1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	1,469	1,616	1,616	1,469	1,749	1,749	159	0	0	0	0
1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	0	0	0	1,668	3,612	3,612	3,448	3,448	3,734	3,225	3,395
1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	6,870	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	1,041	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	7,255	7,980	7,618	7,870	0
1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	22,255
1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	9,300	20,667	22,734	9,300	0	0	0	0
1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	1,874	2,290	0	0	0	0	0	0
1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	582	1,247	0	0	0	0
1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	25,914
1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	4,522	0	0	0	0	0	0	0
1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.4 Target Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	9,090	19,317	0	0	0	0	0	0	0
1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	19,975	2,103	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	10,324	22,942	1,147	0	0	0	0	0	0	0	0
1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	10,986	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	4,908	9,815	0	0	0	0	0	0
1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	10,644	5,322	0	0	0	0	0
1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	679	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	2,226	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	0	16,366	0	0	0	0	0	0	0
1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.4 Target Carrier Design Review	BCWS	14,114	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	5,999	0	0	0	0
1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	185	702	739	850	776	776	813	739	370	0	0
1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	887	3,372	3,549	4,081	3,727	3,727	2,129	0	0	0	0
1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	887	3,372	3,549	4,081	3,727	3,727	2,129	0	0	0	0
1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	1,252	4,756	5,007	5,758	5,257	5,257	3,004	0	0	0	0
1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	3,056	0	0	0	0	0	0	0	0
1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	3,056	0	0	0	0	0	0	0	0
1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	45,889	5,099	0	0	0	0	0	0	0
1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.4 Target Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	17,664	14,131	0	0	0	0	0	0	0	0
1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.4 Target Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.2.4.4 Target Carrier Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.0.3.1.2.2.3 Components Alignment as Found Old	BCWS	0	0	0
1.0.3.1.2.2.4 Disconnect Cables for 5 Quads to be Replaced	BCWS	0	0	3,056
1.0.3.1.2.2.5 Bleed up Vacuum & Disconnect Flanges for Component Repla	BCWS	0	0	3,056
1.0.3.1.2.2.6 3Q120 Quads: Remove 5 Old Magnets	BCWS	0	0	50,987
1.0.3.1.4.1 Profile Monitors Upgrade Review	BCWS	0	0	5,381
1.0.3.1.4.2 Follow-up to Profile Monitor Upgrade Review	BCWS	0	0	1,041
1.0.3.2.1.1.1 Review of IHEP ME Target Design Study 1	BCWS	0	0	16,490
1.0.3.2.1.1.2 IHEP ME Target Design Study 2	BCWS	0	0	36,180
1.0.3.2.1.1.3 Assess IHEP ME Target Design Study 2	BCWS	0	0	13,163
1.0.3.2.1.1.4 IHEP Drawing Package for ME Target	BCWS	0	0	30,723
1.0.3.2.1.1.5 Integrate mechanical drawings from IHEP	BCWS	0	0	24,481
1.0.3.2.1.2.1 Analysis of Carrier for 700kW Beam Power	BCWS	0	0	63,479
1.0.3.2.1.2.2 Design of new carrier	BCWS	0	0	62,002
1.0.3.2.1.3.1 Analyze Baffle for Higher Heat Loads	BCWS	0	0	13,712
1.0.3.2.1.3.2 Design Baffle Modifications	BCWS	0	0	4,164
1.0.3.2.1.3.3 IHEP Modify Baffle Dwg Package	BCWS	0	0	1,828
1.0.3.2.2.1 Analyze Current Hadron Monitor Design for Higher Beam Powe	BCWS	0	0	27,807
1.0.3.2.3 Design Hadron Monitor Beam Abort	BCWS	0	0	25,914
1.0.3.2.4.1 Target, Baffle & Carrier Initial Design Review	BCWS	0	0	4,522
1.0.3.2.4.2 Target, Baffle & Carrier Design Review	BCWS	0	0	16,366
1.0.3.2.4.3 Hadron Monitor Design Review	BCWS	0	0	11,842
1.0.3.2.4.4 Target Carrier Design Review	BCWS	0	0	14,114
1.0.3.3.1.1.1 Design New Equipment for Operations	BCWS	0	0	35,287
1.0.3.3.1.2.1 Overall Target Hall Layout for Operations-1	BCWS	0	0	57,517
1.0.3.3.1.2.2 Overall Target Hall Layout for Operations-2	BCWS	0	0	113,984
1.0.3.3.2.1.1 Develop Stripline Layout Scheme in Target Hall	BCWS	0	0	8,896
1.0.3.3.2.1.2 Engineering & Design of stripline extension & Stands	BCWS	0	0	199,826
1.0.3.3.2.1.3 Create Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	28,407
1.0.3.3.2.2.1 Develop shielding reconfiguration plan-1	BCWS	0	0	20,998
1.0.3.3.2.2.2 Develop Blue Block & T-Block Removal/Re-location Plan	BCWS	0	0	51,618
1.0.3.3.2.2.3 Design Shielding Blocks & Remote Lifting Components	BCWS	0	0	80,322
1.0.3.3.2.2.4 Develop shielding reconfiguration plan-2	BCWS	0	0	101,871
1.0.3.3.2.3.1 Load Test & Practice Run Remote Lifting Fixture	BCWS	0	0	5,999
1.0.3.3.2.3.2 Removal & Storage of R-Blocks & Radioactive DS Blue Bloc	BCWS	0	0	31,796
1.0.3.3.3.1.1 MARs Simulations for Energy Deposition	BCWS	0	0	0
1.0.3.3.3.1.2 FEM 3-D Thermal Analysis	BCWS	0	0	47,836
1.0.3.3.3.1.3 Analyze all components & chase items for temperature lim	BCWS	0	0	37,254
1.0.3.3.3.1.4 Design new chiller coils	BCWS	0	0	35,397
1.0.3.3.3.2.1 Analyze Horn 1 Chase Stripline for Higher Heat Loads (FE	BCWS	0	0	60,326
1.0.3.3.3.2.2 Quantify Air Convection Coefficients (Testing)	BCWS	0	0	124,382
1.0.3.3.3.2.3 Design Forced Air Cooling for Horn 1 Chase Stripline	BCWS	0	0	34,413
1.0.3.3.3.3.1 Analyze predicted block temperatures' effects on chase c	BCWS	0	0	27,997
1.0.3.3.3.3.2 Design Additional Chase Temperature Monitoring Equipment	BCWS	0	0	34,239
1.0.3.3.3.4 NuMI - Review & Revise Shielding Assessment	BCWS	0	0	0
1.0.3.3.4.2 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	11,842
1.0.3.3.4.4 Target Hall Chase Cooling Iniital Design Review	BCWS	0	0	10,986
1.0.3.3.4.5 Final Target Hall Chase Cooling Design Review	BCWS	0	0	14,723
1.0.3.3.4.6 Target Hall Space Planning & Horn 2 Reconfiguration & Equi	BCWS	0	0	15,965
1.0.3.4.1.1.1 Design Target RAW Instrumentation Upgrade	BCWS	0	0	5,951
1.0.3.4.1.2.1 Analyze horn 1 & horn 2 RAW system capacities	BCWS	0	0	9,827
1.0.3.4.1.2.2 Design Horn 1 RAW Skid Upgrade	BCWS	0	0	21,472
1.0.3.4.1.2.3 Design Horn 2 RAW Skid Upgrade	BCWS	0	0	21,472
1.0.3.4.1.3.1 Engineering & Design of RAW piping extension for Horn 2	BCWS	0	0	26,822
1.0.3.4.1.4.1 Design Decay Pipe US & DS RAW skid upgrade	BCWS	0	0	30,290
1.0.3.4.1.5.1 Document Hadron Absorber for Full Beam Accident Conditio	BCWS	0	0	6,870

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.1 Perform NuMI target hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.2 Perform NuMI absorber hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.3 Initial design of NuMI target hall RAW-room DI bottle sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.4 Design NuMI target hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.5 Design NuMI absorber hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.6 Final design of NuMI target hall RAW-room DI bottle shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	0	171	1,138	1,024	0	0
1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	0	400	2,668	2,402	0	0
1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	0	400	2,668	2,402	0	0
1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	0	400	2,668	2,402	0	0
1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.1 Evaluate Booster Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.2 Evaluate MI-8 Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.3 Evaluate Slip-Stacking Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.4 Evaluate MI Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.1 Slip-Stacking Simulation & Optimization for the Recycler-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.10 Establish Detailed ANU Loss Patterns	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.2 Recycler & MI Beam Dynamics Simulation-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.3 MI Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.4 MI Loss Pattern Measurement-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.5 Recycler Machine Measurements-1	BCWS	0	0	0	0	0	0	56	281	253	0	0
1.0.4.2.6 Electron Cloud Measurement in MI & RR-1	BCWS	0	3,746	3,575	3,575	3,916	3,235	4,048	3,520	3,168	0	0
1.0.4.2.7 Electron Cloud Simulation & Analysis for ANU-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.8 Transfer Line Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.9 Beam Cleaning Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.11 Slip-Stacking Simulation & Optimization for the Recycler-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.12 Recycler & MI Beam Dynamics Simulation-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.13 MI Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.14 MI Loss Pattern Measurement-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.15 Recycler Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.16 Electron Cloud Measurement in MI & RR-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.17 Electron Cloud Simulation & Analysis for ANU-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.2 Develop Beam Performance Metrics	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.3 Maintain Measurements & Predictions of Performance-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.4 Maintain Measurements & Predictions of Performance-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.5.1.2 Management & Administration - 2HFY07	BCWS	0	72,406	69,115	69,115	75,698	58,364	0	0	0	0	0
1.1.1.4.1 Prepare request for proposal	BCWS	0	3,035	0	0	0	0	0	0	0	0	0
1.1.1.4.2 Issue request for proposal	BCWS	0	1,012	0	0	0	0	0	0	0	0	0
1.1.1.4.3 Review received proposals	BCWS	0	0	5,058	0	0	0	0	0	0	0	0
1.1.1.4.4 Gather data	BCWS	0	0	17,315	8,819	0	0	0	0	0	0	0
1.1.1.4.5 Revise existing EAW	BCWS	0	0	0	12,562	0	0	0	0	0	0	0
1.1.1.4.6 NOvA project review	BCWS	0	0	0	0	5,058	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.1 Perform NuMI target hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.2 Perform NuMI absorber hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.3 Initial design of NuMI target hall RAW-room DI bottle sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.4 Design NuMI target hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.5 Design NuMI absorber hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.6 Final design of NuMI target hall RAW-room DI bottle shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.1 Evaluate Booster Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.2 Evaluate MI-8 Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.3 Evaluate Slip-Stacking Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.4 Evaluate MI Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.1 Slip-Stacking Simulation & Optimization for the Recycler-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.10 Establish Detailed ANU Loss Patterns	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.2 Recycler & MI Beam Dynamics Simulation-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.3 MI Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.4 MI Loss Pattern Measurement-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.5 Recycler Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.6 Electron Cloud Measurement in MI & RR-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.7 Electron Cloud Simulation & Analysis for ANU-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.8 Transfer Line Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.9 Beam Cleaning Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.11 Slip-Stacking Simulation & Optimization for the Recycler-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.12 Recycler & MI Beam Dynamics Simulation-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.13 MI Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.14 MI Loss Pattern Measurement-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.15 Recycler Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.16 Electron Cloud Measurement in MI & RR-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.17 Electron Cloud Simulation & Analysis for ANU-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.2 Develop Beam Performance Metrics	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.3 Maintain Measurements & Predictions of Performance-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.4 Maintain Measurements & Predictions of Performance-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.5.1.2 Management & Administration - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.1 Prepare request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.2 Issue request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.3 Review received proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.4 Gather data	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.5 Revise existing EAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.6 NOvA project review	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	12,690	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.1 Perform NuMI target hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.2 Perform NuMI absorber hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.3 Initial design of NuMI target hall RAW-room DI bottle sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.4 Design NuMI target hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.5 Design NuMI absorber hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.6 Final design of NuMI target hall RAW-room DI bottle shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	858	943	943	858	1,021	1,021	975	975	1,056	912	960
1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	1,997	2,196	2,196	1,997	2,491	2,491	2,377	2,377	2,442	2,109	2,220
1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	1,997	2,196	2,196	1,997	2,491	2,491	2,377	2,377	2,442	2,109	2,220
1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	1,997	2,196	2,196	1,997	2,491	2,491	2,377	2,377	2,442	2,109	2,220
1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	5,921	0	0	0	0	0	0	0	0	0
1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.1 Evaluate Booster Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.2 Evaluate MI-8 Collimator Performance for ANU	BCWS	326	359	359	326	388	388	371	371	407	351	370
1.0.4.1.3 Evaluate Slip-Stacking Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.4 Evaluate MI Collimator Performance for ANU	BCWS	326	359	359	326	388	388	371	371	401	347	365
1.0.4.2.1 Slip-Stacking Simulation & Optimization for the Recycler-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.10 Establish Detailed ANU Loss Patterns	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.2 Recycler & MI Beam Dynamics Simulation-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.3 MI Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.4 MI Loss Pattern Measurement-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.5 Recycler Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.6 Electron Cloud Measurement in MI & RR-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.7 Electron Cloud Simulation & Analysis for ANU-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.8 Transfer Line Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.9 Beam Cleaning Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.11 Slip-Stacking Simulation & Optimization for the Recycler-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.12 Recycler & MI Beam Dynamics Simulation-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.13 MI Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.14 MI Loss Pattern Measurement-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.15 Recycler Machine Measurements-2	BCWS	406	447	447	406	449	449	429	429	452	390	411
1.0.4.2.16 Electron Cloud Measurement in MI & RR-2	BCWS	5,734	6,307	6,307	5,734	6,568	6,568	597	0	0	0	0
1.0.4.2.17 Electron Cloud Simulation & Analysis for ANU-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.2 Develop Beam Performance Metrics	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.3 Maintain Measurements & Predictions of Performance-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.4 Maintain Measurements & Predictions of Performance-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.5.1.2 Management & Administration - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.1 Prepare request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.2 Issue request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.3 Review received proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.4 Gather data	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.5 Revise existing EAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.6 NOvA project review	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.1 Perform NuMI target hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	4,601	8,051	2,812	0
1.0.3.4.1.6.2 Perform NuMI absorber hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	4,018	0
1.0.3.4.1.6.3 Initial design of NuMI target hall RAW-room DI bottle sh	BCWS	0	0	0	0	0	0	0	9,199	8,780	9,133	8,698
1.0.3.4.1.6.4 Design NuMI target hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.5 Design NuMI absorber hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.6 Final design of NuMI target hall RAW-room DI bottle shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	912	960	1,104	1,056	192	0	0	0	0	0	0
1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	2,109	2,220	2,553	2,442	444	0	0	0	0	0	0
1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	2,109	2,220	2,553	2,442	444	0	0	0	0	0	0
1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	2,109	2,220	2,553	2,442	444	0	0	0	0	0	0
1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.1 Evaluate Booster Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.2 Evaluate MI-8 Collimator Performance for ANU	BCWS	351	370	425	129	0	0	0	0	0	0	0
1.0.4.1.3 Evaluate Slip-Stacking Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.4 Evaluate MI Collimator Performance for ANU	BCWS	347	365	420	128	0	0	0	0	0	0	0
1.0.4.2.1 Slip-Stacking Simulation & Optimization for the Recycler-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.10 Establish Detailed ANU Loss Patterns	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.2 Recycler & MI Beam Dynamics Simulation-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.3 MI Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.4 MI Loss Pattern Measurement-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.5 Recycler Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.6 Electron Cloud Measurement in MI & RR-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.7 Electron Cloud Simulation & Analysis for ANU-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.8 Transfer Line Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.9 Beam Cleaning Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.11 Slip-Stacking Simulation & Optimization for the Recycler-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.12 Recycler & MI Beam Dynamics Simulation-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.13 MI Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.14 MI Loss Pattern Measurement-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.15 Recycler Machine Measurements-2	BCWS	390	349	0	0	0	0	0	0	0	0	0
1.0.4.2.16 Electron Cloud Measurement in MI & RR-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.17 Electron Cloud Simulation & Analysis for ANU-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.2 Develop Beam Performance Metrics	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.3 Maintain Measurements & Predictions of Performance-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.4 Maintain Measurements & Predictions of Performance-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.5.1.2 Management & Administration - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.1 Prepare request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.2 Issue request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.3 Review received proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.4 Gather data	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.5 Revise existing EAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.6 NOvA project review	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	1,964	7,462	7,855	9,033	8,248	8,248	4,713	0	0	0	0
1.0.3.4.1.6.1 Perform NuMI target hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.2 Perform NuMI absorber hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.3 Initial design of NuMI target hall RAW-room DI bottle sh	BCWS	6,958	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.4 Design NuMI target hall RAW exchange	BCWS	0	5,598	18,659	13,061	0	0	0	0	0	0	0
1.0.3.4.1.6.5 Design NuMI absorber hall RAW exchange	BCWS	0	0	0	8,336	926	0	0	0	0	0	0
1.0.3.4.1.6.6 Final design of NuMI target hall RAW-room DI bottle shie	BCWS	0	8,538	28,461	5,692	0	0	0	0	0	0	0
1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	590	2,242	2,360	2,714	2,478	1,062	0	0	0	0	0
1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	597	2,269	2,388	2,746	2,508	1,075	0	0	0	0	0
1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	597	2,269	2,388	2,746	2,508	1,075	0	0	0	0	0
1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	0	0	0	0	5,074
1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	0	0	0	0	5,074
1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	13,786	0	0	0	0	0	0	0	0	0
1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	0	0	0	0	26,977	22,617
1.0.4.1.1 Evaluate Booster Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.2 Evaluate MI-8 Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.3 Evaluate Slip-Stacking Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.4 Evaluate MI Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.1 Slip-Stacking Simulation & Optimization for the Recycler-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.10 Establish Detailed ANU Loss Patterns	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.2 Recycler & MI Beam Dynamics Simulation-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.3 MI Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.4 MI Loss Pattern Measurement-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.5 Recycler Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.6 Electron Cloud Measurement in MI & RR-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.7 Electron Cloud Simulation & Analysis for ANU-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.8 Transfer Line Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.9 Beam Cleaning Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.11 Slip-Stacking Simulation & Optimization for the Recycler-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.12 Recycler & MI Beam Dynamics Simulation-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.13 MI Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.14 MI Loss Pattern Measurement-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.15 Recycler Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.16 Electron Cloud Measurement in MI & RR-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.17 Electron Cloud Simulation & Analysis for ANU-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.2 Develop Beam Performance Metrics	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.3 Maintain Measurements & Predictions of Performance-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.4 Maintain Measurements & Predictions of Performance-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.5.1.2 Management & Administration - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.1 Prepare request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.2 Issue request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.3 Review received proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.4 Gather data	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.5 Revise existing EAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.6 NOvA project review	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.1 Perform NuMI target hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.2 Perform NuMI absorber hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.3 Initial design of NuMI target hall RAW-room DI bottle sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.4 Design NuMI target hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.5 Design NuMI absorber hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.6 Final design of NuMI target hall RAW-room DI bottle shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.1 Evaluate Booster Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.2 Evaluate MI-8 Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.3 Evaluate Slip-Stacking Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.4 Evaluate MI Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.1 Slip-Stacking Simulation & Optimization for the Recycler-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.10 Establish Detailed ANU Loss Patterns	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.2 Recycler & MI Beam Dynamics Simulation-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.3 MI Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.4 MI Loss Pattern Measurement-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.5 Recycler Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.6 Electron Cloud Measurement in MI & RR-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.7 Electron Cloud Simulation & Analysis for ANU-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.8 Transfer Line Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.9 Beam Cleaning Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.11 Slip-Stacking Simulation & Optimization for the Recycler-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.12 Recycler & MI Beam Dynamics Simulation-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.13 MI Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.14 MI Loss Pattern Measurement-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.15 Recycler Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.16 Electron Cloud Measurement in MI & RR-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.17 Electron Cloud Simulation & Analysis for ANU-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.2 Develop Beam Performance Metrics	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.3 Maintain Measurements & Predictions of Performance-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.4 Maintain Measurements & Predictions of Performance-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.5.1.2 Management & Administration - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.1 Prepare request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.2 Issue request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.3 Review received proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.4 Gather data	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.5 Revise existing EAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.6 NOvA project review	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.1 Perform NuMI target hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.2 Perform NuMI absorber hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.3 Initial design of NuMI target hall RAW-room DI bottle sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.4 Design NuMI target hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.5 Design NuMI absorber hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.6 Final design of NuMI target hall RAW-room DI bottle shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.1 Evaluate Booster Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.2 Evaluate MI-8 Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.3 Evaluate Slip-Stacking Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.4 Evaluate MI Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.1 Slip-Stacking Simulation & Optimization for the Recycler-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.10 Establish Detailed ANU Loss Patterns	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.2 Recycler & MI Beam Dynamics Simulation-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.3 MI Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.4 MI Loss Pattern Measurement-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.5 Recycler Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.6 Electron Cloud Measurement in MI & RR-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.7 Electron Cloud Simulation & Analysis for ANU-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.8 Transfer Line Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.9 Beam Cleaning Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.11 Slip-Stacking Simulation & Optimization for the Recycler-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.12 Recycler & MI Beam Dynamics Simulation-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.13 MI Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.14 MI Loss Pattern Measurement-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.15 Recycler Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.16 Electron Cloud Measurement in MI & RR-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.17 Electron Cloud Simulation & Analysis for ANU-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.2 Develop Beam Performance Metrics	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.3 Maintain Measurements & Predictions of Performance-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.4 Maintain Measurements & Predictions of Performance-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.5.1.2 Management & Administration - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.1 Prepare request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.2 Issue request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.3 Review received proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.4 Gather data	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.5 Revise existing EAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.6 NOvA project review	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.1 Perform NuMI target hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.2 Perform NuMI absorber hall RAW-room radiation analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.3 Initial design of NuMI target hall RAW-room DI bottle sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.4 Design NuMI target hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.5 Design NuMI absorber hall RAW exchange	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.1.6.6 Final design of NuMI target hall RAW-room DI bottle shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.1 Evaluate Booster Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.2 Evaluate MI-8 Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.3 Evaluate Slip-Stacking Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.1.4 Evaluate MI Collimator Performance for ANU	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.1 Slip-Stacking Simulation & Optimization for the Recycler-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.10 Establish Detailed ANU Loss Patterns	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.2 Recycler & MI Beam Dynamics Simulation-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.3 MI Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.4 MI Loss Pattern Measurement-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.5 Recycler Machine Measurements-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.6 Electron Cloud Measurement in MI & RR-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.7 Electron Cloud Simulation & Analysis for ANU-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.8 Transfer Line Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.9 Beam Cleaning Analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.11 Slip-Stacking Simulation & Optimization for the Recycler-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.12 Recycler & MI Beam Dynamics Simulation-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.13 MI Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.14 MI Loss Pattern Measurement-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.15 Recycler Machine Measurements-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.16 Electron Cloud Measurement in MI & RR-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.2.17 Electron Cloud Simulation & Analysis for ANU-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.2 Develop Beam Performance Metrics	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.3 Maintain Measurements & Predictions of Performance-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.4.3.4 Maintain Measurements & Predictions of Performance-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.0.5.1.2 Management & Administration - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.1 Prepare request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.2 Issue request for proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.3 Review received proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.4 Gather data	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.5 Revise existing EAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.1.4.6 NOvA project review	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.0.3.4.1.5.2 Analyze Hadron Absorber for normal long term operation a	BCWS	0	0	12,690
1.0.3.4.1.5.3 Design Hadron Absorber skids upgrade	BCWS	0	0	47,522
1.0.3.4.1.6.1 Perform NuMI target hall RAW-room radiation analysis	BCWS	0	0	15,465
1.0.3.4.1.6.2 Perform NuMI absorber hall RAW-room radiation analysis	BCWS	0	0	4,018
1.0.3.4.1.6.3 Initial design of NuMI target hall RAW-room DI bottle sh	BCWS	0	0	42,768
1.0.3.4.1.6.4 Design NuMI target hall RAW exchange	BCWS	0	0	37,317
1.0.3.4.1.6.5 Design NuMI absorber hall RAW exchange	BCWS	0	0	9,262
1.0.3.4.1.6.6 Final design of NuMI target hall RAW-room DI bottle shie	BCWS	0	0	42,692
1.0.3.4.2.1.1 Analyze LCW capacity-1	BCWS	0	0	2,333
1.0.3.4.2.1.2 Design LCW Upgrade	BCWS	0	0	11,448
1.0.3.4.2.1.3 Analyze LCW capacity-2	BCWS	0	0	14,747
1.0.3.4.2.2.1 Analyze CUB chilled water capacity-1	BCWS	0	0	5,470
1.0.3.4.2.2.2 Design CUB Chilled Water Upgrade	BCWS	0	0	11,583
1.0.3.4.2.2.3 Analyze CUB chilled water capacity-2	BCWS	0	0	34,663
1.0.3.4.2.3.1 Analyze NuMI Sump Cooling Water System Capacity-1	BCWS	0	0	5,470
1.0.3.4.2.3.3 Analyze NuMI Sump Cooling Water System Capacity-2	BCWS	0	0	34,663
1.0.3.4.2.4.1 Analyze Secondary Chilled Water Capacity-1	BCWS	0	0	5,470
1.0.3.4.2.4.2 Design Secondary CW Skid Upgrade	BCWS	0	0	11,583
1.0.3.4.2.4.3 Analyze Secondary Chilled Water Capacity-2	BCWS	0	0	34,663
1.0.3.4.3.1 Analyze & Design Elect Capacity Upgrades for 700kW, Downst	BCWS	0	0	5,074
1.0.3.4.3.2 Analyze & Design Elect Capacity Upgrades for 700kW, Upstre	BCWS	0	0	5,074
1.0.3.4.4.1 Decay Pipe & Absorber Initial Design Review	BCWS	0	0	5,921
1.0.3.4.4.2 NuMI Cooling Systems Initial Design Review	BCWS	0	0	13,786
1.0.3.4.4.3 NuMI Utilities Systems & RAW Design Review	BCWS	0	0	49,594
1.0.4.1.1 Evaluate Booster Performance for ANU	BCWS	0	0	0
1.0.4.1.2 Evaluate MI-8 Collimator Performance for ANU	BCWS	0	0	5,291
1.0.4.1.3 Evaluate Slip-Stacking Performance for ANU	BCWS	0	0	0
1.0.4.1.4 Evaluate MI Collimator Performance for ANU	BCWS	0	0	5,259
1.0.4.2.1 Slip-Stacking Simulation & Optimization for the Recycler-1	BCWS	0	0	0
1.0.4.2.10 Establish Detailed ANU Loss Patterns	BCWS	0	0	0
1.0.4.2.2 Recycler & MI Beam Dynamics Simulation-1	BCWS	0	0	0
1.0.4.2.3 MI Machine Measurements-1	BCWS	0	0	0
1.0.4.2.4 MI Loss Pattern Measurement-1	BCWS	0	0	0
1.0.4.2.5 Recycler Machine Measurements-1	BCWS	0	0	590
1.0.4.2.6 Electron Cloud Measurement in MI & RR-1	BCWS	0	0	28,782
1.0.4.2.7 Electron Cloud Simulation & Analysis for ANU-1	BCWS	0	0	0
1.0.4.2.8 Transfer Line Simulation	BCWS	0	0	0
1.0.4.2.9 Beam Cleaning Analysis	BCWS	0	0	0
1.0.4.2.11 Slip-Stacking Simulation & Optimization for the Recycler-2	BCWS	0	0	0
1.0.4.2.12 Recycler & MI Beam Dynamics Simulation-2	BCWS	0	0	0
1.0.4.2.13 MI Machine Measurements-2	BCWS	0	0	0
1.0.4.2.14 MI Loss Pattern Measurement-2	BCWS	0	0	0
1.0.4.2.15 Recycler Machine Measurements-2	BCWS	0	0	5,454
1.0.4.2.16 Electron Cloud Measurement in MI & RR-2	BCWS	0	0	37,815
1.0.4.2.17 Electron Cloud Simulation & Analysis for ANU-2	BCWS	0	0	0
1.0.4.3.2 Develop Beam Performance Metrics	BCWS	0	0	0
1.0.4.3.3 Maintain Measurements & Predictions of Performance-1	BCWS	0	0	0
1.0.4.3.4 Maintain Measurements & Predictions of Performance-2	BCWS	0	0	0
1.0.5.1.2 Management & Administration - 2HFY07	BCWS	0	0	344,698
1.1.1.4.1 Prepare request for proposal	BCWS	0	0	3,035
1.1.1.4.2 Issue request for proposal	BCWS	0	0	1,012
1.1.1.4.3 Review received proposals	BCWS	0	0	5,058
1.1.1.4.4 Gather data	BCWS	0	0	26,135
1.1.1.4.5 Revise existing EAW	BCWS	0	0	12,562
1.1.1.4.6 NOvA project review	BCWS	0	0	5,058

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.1.1.4.7 Finalize report	BCWS	0	0	0	0	3,189	10,890	0	0	0	0	0
1.1.2.2.12.10 Prepare drawings	BCWS	0	262,295	51,744	0	0	0	0	0	0	0	0
1.1.2.2.12.11 Prepare specifications	BCWS	0	14,079	0	0	0	0	0	0	0	0	0
1.1.2.2.12.12 Prepare cost estimate	BCWS	0	14,079	0	0	0	0	0	0	0	0	0
1.1.2.2.12.13 Assemble, print, and distribute documents	BCWS	0	0	7,440	0	0	0	0	0	0	0	0
1.1.2.2.12.14 Comment and compliance review	BCWS	0	0	25,289	0	0	0	0	0	0	0	0
1.1.2.2.12.15 Revise drawings	BCWS	0	0	0	36,848	178,725	24,607	0	0	0	0	0
1.1.2.2.12.16 Revise specifications	BCWS	0	0	1,994	9,971	2,114	0	0	0	0	0	0
1.1.2.2.12.17 Revise cost estimate	BCWS	0	0	1,994	9,971	2,114	0	0	0	0	0	0
1.1.2.2.12.18 Assemble, print and distribute documents	BCWS	0	0	0	0	0	5,922	0	0	0	0	0
1.1.2.2.12.19 Quality assurance review	BCWS	0	0	0	0	0	2,529	0	0	0	0	0
1.1.2.2.12.20 Finalize documents	BCWS	0	0	0	0	0	18,806	135,343	0	0	0	0
1.1.2.2.12.21 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	8,194	0	0	0	0
1.1.2.2.12.8 Kickoff meeting	BCWS	0	23,514	0	0	0	0	0	0	0	0	0
1.1.2.2.12.9 Review background information	BCWS	0	61,373	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.1 Kickoff meeting	BCWS	0	4,152	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.2 Revise cost estimate	BCWS	0	18,212	3,593	0	0	0	0	0	0	0	0
1.1.4.1.3.1.3 Update schedule	BCWS	0	11,659	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.4 Internal project review	BCWS	0	0	12,645	0	0	0	0	0	0	0	0
1.1.4.1.3.1.6 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	18,918	0	0	0	0	0
1.1.4.1.3.1.7 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	3,667	1,213	0	0	0	0
1.1.4.1.3.1.8 Internal project review	BCWS	0	0	0	0	0	0	5,301	0	0	0	0
1.1.4.1.3.2.10 Develop draft estimate	BCWS	0	24,417	3,884	0	0	0	0	0	0	0	0
1.1.4.1.3.2.11 Develop draft schedule	BCWS	0	11,757	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.12 Project review of draft report	BCWS	0	0	12,645	0	0	0	0	0	0	0	0
1.1.4.1.3.2.13 Finalize documents	BCWS	0	0	7,945	0	0	0	0	0	0	0	0
1.1.4.1.3.2.15 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	14,991	0	0	0	0	0
1.1.4.1.3.2.16 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	3,667	1,213	0	0	0	0
1.1.4.1.3.2.17 Internal project review	BCWS	0	0	0	0	0	0	5,301	0	0	0	0
1.1.4.1.3.3.10 Develop draft estimate	BCWS	0	11,837	1,883	0	0	0	0	0	0	0	0
1.1.4.1.3.3.11 Develop draft schedule	BCWS	0	11,295	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.12 Project review of draft report	BCWS	0	0	12,645	0	0	0	0	0	0	0	0
1.1.4.1.3.3.13 Finalize documents	BCWS	0	0	7,945	0	0	0	0	0	0	0	0
1.1.4.3.1 Review background information	BCWS	0	0	0	0	0	7,039	0	0	0	0	0
1.1.4.3.2 Perform site visit	BCWS	0	0	0	0	0	3,465	0	0	0	0	0
1.1.4.3.3 Prepare preliminary report	BCWS	0	0	0	0	0	19,718	14,583	0	0	0	0
1.1.4.3.4 Perform internal review of report	BCWS	0	0	0	0	0	0	5,301	0	0	0	0
1.1.4.3.5 Finalize report	BCWS	0	0	0	0	0	0	19,806	5,561	0	0	0
1.1.4.5.6 Present preliminary results	BCWS	0	1,138	0	0	0	0	0	0	0	0	0
1.1.4.5.7 Finalize analysis	BCWS	0	2,740	8,108	785	0	0	0	0	0	0	0
1.1.4.5.8 Finalize risk assessment forms	BCWS	0	0	0	11,179	453	0	0	0	0	0	0
1.1.4.7.1 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.2 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.3 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.4 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.6 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.15 Prepare drawings -outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.16 Prepare specifications - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.17 Prepare cost estimate and schedule - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.1.1.4.7 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.10 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.11 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.12 Prepare cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.13 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.17 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.18 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.21 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.8 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.9 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.1 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.2 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.3 Update schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.4 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.6 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.7 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.8 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.15 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.16 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.17 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.1 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.2 Perform site visit	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.3 Prepare preliminary report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.4 Perform internal review of report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.5 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.6 Present preliminary results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.7 Finalize analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.8 Finalize risk assessment forms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.1 Prepare drawings	BCWS	0	0	0	0	0	0	276,144	308,806	214,822	0	0
1.1.4.7.2 Prepare specifications	BCWS	0	0	0	0	0	0	41,526	0	0	0	0
1.1.4.7.3 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	41,526	0	0	0	0
1.1.4.7.4 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	8,479	0	0
1.1.4.7.6 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	35,558	71,115
1.1.5.1.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.15 Prepare drawings -outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.16 Prepare specifications - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.17 Prepare cost estimate and schedule - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.1.1.4.7 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.10 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.11 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.12 Prepare cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.13 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.17 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.18 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.21 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.8 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.9 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.1 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.2 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.3 Update schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.4 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.6 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.7 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.8 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.15 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.16 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.17 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.1 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.2 Perform site visit	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.3 Prepare preliminary report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.4 Perform internal review of report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.5 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.6 Present preliminary results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.7 Finalize analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.8 Finalize risk assessment forms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.1 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.2 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.3 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.4 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.6 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.10 Review background information	BCWS	0	0	0	0	0	0	0	2,273	0	0	0
1.1.5.1.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	8,008	0	0
1.1.5.1.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	2,060	0	0
1.1.5.1.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	229	0	0
1.1.5.1.1.15 Prepare drawings -outfitting	BCWS	0	0	0	0	0	0	0	0	0	6,864	0
1.1.5.1.1.16 Prepare specifications - outfitting	BCWS	0	0	0	0	0	0	0	0	0	2,288	0
1.1.5.1.1.17 Prepare cost estimate and schedule - outfitting	BCWS	0	0	0	0	0	0	0	0	0	1,144	0
1.1.5.1.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	229	0
1.1.5.1.1.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	3,432

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.1.1.4.7 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.10 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.11 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.12 Prepare cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.13 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.17 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.18 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.21 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.8 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.9 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.1 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.2 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.3 Update schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.4 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.6 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.7 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.8 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.15 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.16 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.17 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.1 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.2 Perform site visit	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.3 Prepare preliminary report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.4 Perform internal review of report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.5 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.6 Present preliminary results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.7 Finalize analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.8 Finalize risk assessment forms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.1 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.2 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.3 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.4 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.6 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.15 Prepare drawings -outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.16 Prepare specifications - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.17 Prepare cost estimate and schedule - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.1.1.4.7 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.10 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.11 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.12 Prepare cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.13 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.17 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.18 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.21 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.8 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.9 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.1 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.2 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.3 Update schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.4 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.6 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.7 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.8 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.15 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.16 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.17 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.1 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.2 Perform site visit	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.3 Prepare preliminary report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.4 Perform internal review of report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.5 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.6 Present preliminary results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.7 Finalize analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.8 Finalize risk assessment forms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.1 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.2 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.3 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.4 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.6 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.15 Prepare drawings -outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.16 Prepare specifications - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.17 Prepare cost estimate and schedule - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.1.1.4.7 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.10 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.11 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.12 Prepare cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.13 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.17 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.18 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.21 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.8 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.9 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.1 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.2 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.3 Update schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.4 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.6 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.7 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.8 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.15 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.16 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.17 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.1 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.2 Perform site visit	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.3 Prepare preliminary report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.4 Perform internal review of report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.5 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.6 Present preliminary results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.7 Finalize analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.8 Finalize risk assessment forms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.1 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.2 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.3 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.4 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.6 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.15 Prepare drawings -outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.16 Prepare specifications - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.17 Prepare cost estimate and schedule - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.1.1.4.7 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.10 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.11 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.12 Prepare cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.13 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.17 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.18 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.21 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.8 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.9 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.1 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.2 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.3 Update schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.4 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.6 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.7 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.8 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.15 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.16 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.17 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.1 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.2 Perform site visit	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.3 Prepare preliminary report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.4 Perform internal review of report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.5 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.6 Present preliminary results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.7 Finalize analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.8 Finalize risk assessment forms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.1 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.2 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.3 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.4 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.6 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.15 Prepare drawings -outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.16 Prepare specifications - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.17 Prepare cost estimate and schedule - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.1.1.4.7 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.10 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.11 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.12 Prepare cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.13 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.17 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.18 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.21 Assemble, print and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.8 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.2.2.12.9 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.1 Kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.2 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.3 Update schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.4 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.6 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.7 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.1.8 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.15 Revise cost estimate based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.16 Update schedule based on 17Aug07 design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.2.17 Internal project review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.10 Develop draft estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.11 Develop draft schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.12 Project review of draft report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.1.3.3.13 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.1 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.2 Perform site visit	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.3 Prepare preliminary report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.4 Perform internal review of report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.3.5 Finalize report	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.6 Present preliminary results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.7 Finalize analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.5.8 Finalize risk assessment forms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.1 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.2 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.3 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.4 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.4.7.6 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.15 Prepare drawings -outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.16 Prepare specifications - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.17 Prepare cost estimate and schedule - outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.20 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
NV-DEC10	NOvA projec			
Run Date:	Status Date:			
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WP[20]		AUG14	SEP14	Cumulative
1.1.1.4.7 Finalize report	BCWS	0	0	14,079
1.1.2.2.12.10 Prepare drawings	BCWS	0	0	314,039
1.1.2.2.12.11 Prepare specifications	BCWS	0	0	14,079
1.1.2.2.12.12 Prepare cost estimate	BCWS	0	0	14,079
1.1.2.2.12.13 Assemble, print, and distribute documents	BCWS	0	0	7,440
1.1.2.2.12.14 Comment and compliance review	BCWS	0	0	25,289
1.1.2.2.12.15 Revise drawings	BCWS	0	0	240,180
1.1.2.2.12.16 Revise specifications	BCWS	0	0	14,079
1.1.2.2.12.17 Revise cost estimate	BCWS	0	0	14,079
1.1.2.2.12.18 Assemble, print and distribute documents	BCWS	0	0	5,922
1.1.2.2.12.19 Quality assurance review	BCWS	0	0	2,529
1.1.2.2.12.20 Finalize documents	BCWS	0	0	154,150
1.1.2.2.12.21 Assemble, print and distribute documents	BCWS	0	0	8,194
1.1.2.2.12.8 Kickoff meeting	BCWS	0	0	23,514
1.1.2.2.12.9 Review background information	BCWS	0	0	61,373
1.1.4.1.3.1.1 Kickoff meeting	BCWS	0	0	4,152
1.1.4.1.3.1.2 Revise cost estimate	BCWS	0	0	21,805
1.1.4.1.3.1.3 Update schedule	BCWS	0	0	11,659
1.1.4.1.3.1.4 Internal project review	BCWS	0	0	12,645
1.1.4.1.3.1.6 Revise cost estimate based on 17Aug07 design	BCWS	0	0	18,918
1.1.4.1.3.1.7 Update schedule based on 17Aug07 design	BCWS	0	0	4,881
1.1.4.1.3.1.8 Internal project review	BCWS	0	0	5,301
1.1.4.1.3.2.10 Develop draft estimate	BCWS	0	0	28,301
1.1.4.1.3.2.11 Develop draft schedule	BCWS	0	0	11,757
1.1.4.1.3.2.12 Project review of draft report	BCWS	0	0	12,645
1.1.4.1.3.2.13 Finalize documents	BCWS	0	0	7,945
1.1.4.1.3.2.15 Revise cost estimate based on 17Aug07 design	BCWS	0	0	14,991
1.1.4.1.3.2.16 Update schedule based on 17Aug07 design	BCWS	0	0	4,881
1.1.4.1.3.2.17 Internal project review	BCWS	0	0	5,301
1.1.4.1.3.3.10 Develop draft estimate	BCWS	0	0	13,720
1.1.4.1.3.3.11 Develop draft schedule	BCWS	0	0	11,295
1.1.4.1.3.3.12 Project review of draft report	BCWS	0	0	12,645
1.1.4.1.3.3.13 Finalize documents	BCWS	0	0	7,945
1.1.4.3.1 Review background information	BCWS	0	0	7,039
1.1.4.3.2 Perform site visit	BCWS	0	0	3,465
1.1.4.3.3 Prepare preliminary report	BCWS	0	0	34,301
1.1.4.3.4 Perform internal review of report	BCWS	0	0	5,301
1.1.4.3.5 Finalize report	BCWS	0	0	25,368
1.1.4.5.6 Present preliminary results	BCWS	0	0	1,138
1.1.4.5.7 Finalize analysis	BCWS	0	0	11,633
1.1.4.5.8 Finalize risk assessment forms	BCWS	0	0	11,633
1.1.4.7.1 Prepare drawings	BCWS	0	0	799,772
1.1.4.7.2 Prepare specifications	BCWS	0	0	41,526
1.1.4.7.3 Prepare cost estimate/schedule	BCWS	0	0	41,526
1.1.4.7.4 Assemble, print, and distribute documents	BCWS	0	0	8,479
1.1.4.7.6 Revise drawings	BCWS	0	0	106,673
1.1.5.1.1.10 Review background information	BCWS	0	0	2,273
1.1.5.1.1.11 Prepare drawings	BCWS	0	0	8,008
1.1.5.1.1.12 Prepare specifications	BCWS	0	0	2,060
1.1.5.1.1.13 Assemble/print/distribute documents for review	BCWS	0	0	229
1.1.5.1.1.15 Prepare drawings -outfitting	BCWS	0	0	6,864
1.1.5.1.1.16 Prepare specifications - outfitting	BCWS	0	0	2,288
1.1.5.1.1.17 Prepare cost estimate and schedule - outfitting	BCWS	0	0	1,144
1.1.5.1.1.18 Assemble/print/distribute documents for review	BCWS	0	0	229
1.1.5.1.1.20 Finalize documents	BCWS	0	0	3,432

Program:	Description:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.1.5.1.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.15 Finalize documents - fixed platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.16 Prepare drawings and specifications - moveable access pla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.17 Prepare cost estimate and schedule - moveable access plat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.20 Finalize documents - moveable access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.2 Civil Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.3 Structural work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.5 Mechanical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.6 Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.7 Spill Containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.9 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.2 Structural platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.3 Moveable access platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.5 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.1 Final Design and Procurement Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.1 Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.2 Construction Coordinator Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.3 A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.2 Travel	BCWS	0	0	0	0	0	0	1,394	1,326	1,138	0	0
1.2.2.8 Continue scintillator composition studies - value engineerin	BCWS	0	744	710	710	778	599	0	0	0	0	0
1.2.3.5 Continue accelerated aging studies - value engineering - 2HF	BCWS	0	744	710	710	778	599	0	0	0	0	0
1.2.4.3 Study mixing methods for waveshifters and pseudocumene - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.6 Study mixing methods for fluor (pre) mix with mineral oil -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.7 Production Blending Development - FY08	BCWS	0	0	0	0	0	0	3,753	3,264	2,937	0	0
1.2.4.8 Production Blending Development - FY08 - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.9 Production Blending Development - FY09- Oct-Jan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.1.7 Continue QC procedure development - value engineering - 2HFY	BCWS	0	744	710	710	778	599	0	0	0	0	0
1.2.5.2.1.6 Evaluate - 2HFY07	BCWS	0	382	365	365	400	308	0	0	0	0	0
1.2.5.2.2.5 Evaluate-2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.1.3 Study transport of mineral oil to mixing facility - 2HFY07	BCWS	0	1,967	1,878	1,878	2,057	1,586	0	0	0	0	0
1.2.6.2.5 Study transport methods to far detector site - 2HFY07	BCWS	0	1,967	1,878	1,878	2,057	1,586	0	0	0	0	0
1.2.7.5 Continue blending option investigations - 2HFY07	BCWS	0	371	354	354	388	299	0	0	0	0	0
1.2.8.1.5 Continue investigation of mineral oil vendors for production	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.1.5.1.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.15 Finalize documents - fixed platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.16 Prepare drawings and specifications - moveable access pla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.17 Prepare cost estimate and schedule - moveable access plat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.20 Finalize documents - moveable access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.2 Civil Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.3 Structural work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.5 Mechanical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.6 Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.7 Spill Containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.9 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.2 Structural platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.3 Moveable access platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.5 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.1 Final Design and Procurement Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.1 Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.2 Construction Coordinator Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.3 A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.2.8 Continue scintillator composition studies - value engineerin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.3.5 Continue accelerated aging studies - value engineering - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.3 Study mixing methods for waveshifters and pseudocumene - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.6 Study mixing methods for fluor (pre) mix with mineral oil -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.7 Production Blending Development - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.8 Production Blending Development - FY08 - part 2	BCWS	0	0	0	0	0	1,414	1,414	0	0	0	0
1.2.4.9 Production Blending Development - FY09- Oct-Jan	BCWS	0	0	0	0	0	0	0	4,847	3,793	4,214	4,214
1.2.5.1.7 Continue QC procedure development - value engineering - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.1.6 Evaluate - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.2.5 Evaluate-2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.1.3 Study transport of mineral oil to mixing facility - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.2.5 Study transport methods to far detector site - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.7.5 Continue blending option investigations - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.8.1.5 Continue investigation of mineral oil vendors for production	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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3/8/2011	12/31/2010

WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.1.5.1.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	572
1.1.5.1.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	568	0	0	0
1.1.5.1.2.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.15 Finalize documents - fixed platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.16 Prepare drawings and specifications - moveable access pla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.17 Prepare cost estimate and schedule - moveable access plat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.20 Finalize documents - moveable access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	614	0
1.1.5.2.1.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	369	860
1.1.5.2.1.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.2 Civil Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.3 Structural work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.5 Mechanical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.6 Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.7 Spill Containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.9 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.2 Structural platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.3 Moveable access platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.5 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.1 Final Design and Procurement Phase Support	BCWS	0	0	0	0	0	0	0	7,250	7,123	6,152	6,475
1.1.5.4.2.1 Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.2 Construction Coordinator Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.3 A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.2.8 Continue scintillator composition studies - value engineerin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.3.5 Continue accelerated aging studies - value engineering - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.3 Study mixing methods for waveshifters and pseudocumene - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.6 Study mixing methods for fluor (pre) mix with mineral oil -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.7 Production Blending Development - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.8 Production Blending Development - FY08 - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.9 Production Blending Development - FY09- Oct-Jan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.1.7 Continue QC procedure development - value engineering - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.1.6 Evaluate - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.2.5 Evaluate-2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.1.3 Study transport of mineral oil to mixing facility - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.2.5 Study transport methods to far detector site - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.7.5 Continue blending option investigations - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.8.1.5 Continue investigation of mineral oil vendors for production	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.1.5.1.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.10 Review background information	BCWS	1,144	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.11 Prepare drawings	BCWS	4,575	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.12 Prepare specifications	BCWS	1,144	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.13 Assemble/print/distribute documents for review	BCWS	229	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.15 Finalize documents - fixed platforms	BCWS	0	4,575	0	0	0	0	0	0	0	0	0
1.1.5.1.2.16 Prepare drawings and specifications - moveable access pla	BCWS	0	1,144	0	0	0	0	0	0	0	0	0
1.1.5.1.2.17 Prepare cost estimate and schedule - moveable access plat	BCWS	0	344	0	0	0	0	0	0	0	0	0
1.1.5.1.2.18 Assemble/print/distribute documents for review	BCWS	0	229	0	0	0	0	0	0	0	0	0
1.1.5.1.2.20 Finalize documents - moveable access platform	BCWS	0	0	3,432	0	0	0	0	0	0	0	0
1.1.5.1.2.21 Assemble/print/distribute final documents	BCWS	0	0	572	0	0	0	0	0	0	0	0
1.1.5.1.2.9 Hold kickoff meeting	BCWS	572	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.6 Review proposals	BCWS	2,457	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.7 Prepare purchase order	BCWS	614	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.1 Prepare construction requisition	BCWS	0	0	614	0	0	0	0	0	0	0	0
1.1.5.2.2.2 Circulate requisition for approvals	BCWS	0	0	1,228	0	0	0	0	0	0	0	0
1.1.5.2.2.6 Review proposals	BCWS	0	0	0	2,457	0	0	0	0	0	0	0
1.1.5.2.2.7 Prepare purchase order	BCWS	0	0	0	614	0	0	0	0	0	0	0
1.1.5.3.1.1 Mobilize	BCWS	801	7,207	0	0	0	0	0	0	0	0	0
1.1.5.3.1.2 Civil Work	BCWS	0	131,502	107,593	0	0	0	0	0	0	0	0
1.1.5.3.1.3 Structural work	BCWS	0	0	183,383	78,593	0	0	0	0	0	0	0
1.1.5.3.1.4 Electrical work	BCWS	0	0	0	51,480	0	0	0	0	0	0	0
1.1.5.3.1.5 Mechanical work	BCWS	0	0	0	59,488	0	0	0	0	0	0	0
1.1.5.3.1.6 Fire Protection	BCWS	0	0	0	161,304	0	0	0	0	0	0	0
1.1.5.3.1.7 Spill Containment	BCWS	0	0	0	43,472	0	0	0	0	0	0	0
1.1.5.3.1.9 Punchlist	BCWS	0	0	0	458	1,830	0	0	0	0	0	0
1.1.5.3.2.1 Mobilize	BCWS	0	0	0	0	5,720	0	0	0	0	0	0
1.1.5.3.2.2 Structural platforms	BCWS	0	0	0	0	85,800	28,600	0	0	0	0	0
1.1.5.3.2.3 Moveable access platforms	BCWS	0	0	0	0	0	91,520	0	0	0	0	0
1.1.5.3.2.4 Electrical work	BCWS	0	0	0	0	0	4,576	18,304	0	0	0	0
1.1.5.3.2.5 Punchlist	BCWS	0	0	0	0	0	0	2,288	0	0	0	0
1.1.5.4.1 Final Design and Procurement Phase Support	BCWS	6,152	6,475	7,447	7,123	0	0	0	0	0	0	0
1.1.5.4.2.1 Engineering Support	BCWS	0	0	0	0	22,336	24,569	14,518	0	0	0	0
1.1.5.4.2.2 Construction Coordinator Support	BCWS	0	0	0	0	33,504	36,854	21,777	0	0	0	0
1.1.5.4.2.3 A/E Support	BCWS	0	0	0	0	10,400	11,440	6,760	0	0	0	0
1.2.11.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.2.8 Continue scintillator composition studies - value engineerin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.3.5 Continue accelerated aging studies - value engineering - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.3 Study mixing methods for waveshifters and pseudocumene - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.6 Study mixing methods for fluor (pre) mix with mineral oil -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.7 Production Blending Development - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.8 Production Blending Development - FY08 - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.9 Production Blending Development - FY09- Oct-Jan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.1.7 Continue QC procedure development - value engineering - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.1.6 Evaluate - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.2.5 Evaluate-2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.1.3 Study transport of mineral oil to mixing facility - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.2.5 Study transport methods to far detector site - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.7.5 Continue blending option investigations - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.8.1.5 Continue investigation of mineral oil vendors for production	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.1.5.1.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.15 Finalize documents - fixed platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.16 Prepare drawings and specifications - moveable access pla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.17 Prepare cost estimate and schedule - moveable access plat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.20 Finalize documents - moveable access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.2 Civil Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.3 Structural work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.5 Mechanical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.6 Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.7 Spill Containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.9 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.2 Structural platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.3 Moveable access platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.5 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.1 Final Design and Procurement Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.1 Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.2 Construction Coordinator Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.3 A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.2.8 Continue scintillator composition studies - value engineerin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.3.5 Continue accelerated aging studies - value engineering - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.3 Study mixing methods for waveshifters and pseudocumene - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.6 Study mixing methods for fluor (pre) mix with mineral oil -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.7 Production Blending Development - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.8 Production Blending Development - FY08 - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.9 Production Blending Development - FY09- Oct-Jan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.1.7 Continue QC procedure development - value engineering - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.1.6 Evaluate - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.2.5 Evaluate-2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.1.3 Study transport of mineral oil to mixing facility - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.2.5 Study transport methods to far detector site - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.7.5 Continue blending option investigations - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.8.1.5 Continue investigation of mineral oil vendors for production	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.1.5.1.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.15 Finalize documents - fixed platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.16 Prepare drawings and specifications - moveable access pla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.17 Prepare cost estimate and schedule - moveable access plat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.20 Finalize documents - moveable access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.2 Civil Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.3 Structural work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.5 Mechanical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.6 Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.7 Spill Containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.9 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.2 Structural platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.3 Moveable access platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.5 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.1 Final Design and Procurement Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.1 Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.2 Construction Coordinator Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.3 A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.2.8 Continue scintillator composition studies - value engineerin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.3.5 Continue accelerated aging studies - value engineering - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.3 Study mixing methods for waveshifters and pseudocumene - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.6 Study mixing methods for fluor (pre) mix with mineral oil -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.7 Production Blending Development - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.8 Production Blending Development - FY08 - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.9 Production Blending Development - FY09- Oct-Jan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.1.7 Continue QC procedure development - value engineering - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.1.6 Evaluate - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.2.5 Evaluate-2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.1.3 Study transport of mineral oil to mixing facility - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.2.5 Study transport methods to far detector site - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.7.5 Continue blending option investigations - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.8.1.5 Continue investigation of mineral oil vendors for production	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.1.5.1.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.15 Finalize documents - fixed platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.16 Prepare drawings and specifications - moveable access pla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.17 Prepare cost estimate and schedule - moveable access plat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.20 Finalize documents - moveable access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.2 Civil Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.3 Structural work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.5 Mechanical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.6 Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.7 Spill Containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.9 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.2 Structural platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.3 Moveable access platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.5 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.1 Final Design and Procurement Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.1 Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.2 Construction Coordinator Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.3 A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.2.8 Continue scintillator composition studies - value engineerin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.3.5 Continue accelerated aging studies - value engineering - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.3 Study mixing methods for waveshifters and pseudocumene - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.6 Study mixing methods for fluor (pre) mix with mineral oil -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.7 Production Blending Development - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.8 Production Blending Development - FY08 - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.9 Production Blending Development - FY09- Oct-Jan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.1.7 Continue QC procedure development - value engineering - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.1.6 Evaluate - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.2.5 Evaluate-2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.1.3 Study transport of mineral oil to mixing facility - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.2.5 Study transport methods to far detector site - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.7.5 Continue blending option investigations - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.8.1.5 Continue investigation of mineral oil vendors for production	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.1.5.1.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.15 Finalize documents - fixed platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.16 Prepare drawings and specifications - moveable access pla	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.17 Prepare cost estimate and schedule - moveable access plat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.20 Finalize documents - moveable access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.1.2.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.1.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.2.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.2 Civil Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.3 Structural work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.5 Mechanical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.6 Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.7 Spill Containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.1.9 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.1 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.2 Structural platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.3 Moveable access platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.4 Electrical work	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.3.2.5 Punchlist	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.1 Final Design and Procurement Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.1 Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.2 Construction Coordinator Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.1.5.4.2.3 A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.11.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.2.8 Continue scintillator composition studies - value engineerin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.3.5 Continue accelerated aging studies - value engineering - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.3 Study mixing methods for waveshifters and pseudocumene - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.6 Study mixing methods for fluor (pre) mix with mineral oil -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.7 Production Blending Development - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.8 Production Blending Development - FY08 - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.4.9 Production Blending Development - FY09- Oct-Jan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.1.7 Continue QC procedure development - value engineering - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.1.6 Evaluate - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.5.2.2.5 Evaluate-2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.1.3 Study transport of mineral oil to mixing facility - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.6.2.5 Study transport methods to far detector site - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.7.5 Continue blending option investigations - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.8.1.5 Continue investigation of mineral oil vendors for production	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
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WP[20]		AUG14	SEP14	Cumulative
1.1.5.1.1.21 Assemble/print/distribute final documents	BCWS	0	0	572
1.1.5.1.1.9 Hold kickoff meeting	BCWS	0	0	568
1.1.5.1.2.10 Review background information	BCWS	0	0	1,144
1.1.5.1.2.11 Prepare drawings	BCWS	0	0	4,575
1.1.5.1.2.12 Prepare specifications	BCWS	0	0	1,144
1.1.5.1.2.13 Assemble/print/distribute documents for review	BCWS	0	0	229
1.1.5.1.2.15 Finalize documents - fixed platforms	BCWS	0	0	4,575
1.1.5.1.2.16 Prepare drawings and specifications - moveable access pla	BCWS	0	0	1,144
1.1.5.1.2.17 Prepare cost estimate and schedule - moveable access plat	BCWS	0	0	344
1.1.5.1.2.18 Assemble/print/distribute documents for review	BCWS	0	0	229
1.1.5.1.2.20 Finalize documents - moveable access platform	BCWS	0	0	3,432
1.1.5.1.2.21 Assemble/print/distribute final documents	BCWS	0	0	572
1.1.5.1.2.9 Hold kickoff meeting	BCWS	0	0	572
1.1.5.2.1.1 Prepare construction requisition	BCWS	0	0	614
1.1.5.2.1.2 Circulate requisition for approvals	BCWS	0	0	1,228
1.1.5.2.1.6 Review proposals	BCWS	0	0	2,457
1.1.5.2.1.7 Prepare purchase order	BCWS	0	0	614
1.1.5.2.2.1 Prepare construction requisition	BCWS	0	0	614
1.1.5.2.2.2 Circulate requisition for approvals	BCWS	0	0	1,228
1.1.5.2.2.6 Review proposals	BCWS	0	0	2,457
1.1.5.2.2.7 Prepare purchase order	BCWS	0	0	614
1.1.5.3.1.1 Mobilize	BCWS	0	0	8,008
1.1.5.3.1.2 Civil Work	BCWS	0	0	239,095
1.1.5.3.1.3 Structural work	BCWS	0	0	261,976
1.1.5.3.1.4 Electrical work	BCWS	0	0	51,480
1.1.5.3.1.5 Mechanical work	BCWS	0	0	59,488
1.1.5.3.1.6 Fire Protection	BCWS	0	0	161,304
1.1.5.3.1.7 Spill Containment	BCWS	0	0	43,472
1.1.5.3.1.9 Punchlist	BCWS	0	0	2,288
1.1.5.3.2.1 Mobilize	BCWS	0	0	5,720
1.1.5.3.2.2 Structural platforms	BCWS	0	0	114,399
1.1.5.3.2.3 Moveable access platforms	BCWS	0	0	91,520
1.1.5.3.2.4 Electrical work	BCWS	0	0	22,880
1.1.5.3.2.5 Punchlist	BCWS	0	0	2,288
1.1.5.4.1 Final Design and Procurement Phase Support	BCWS	0	0	54,197
1.1.5.4.2.1 Engineering Support	BCWS	0	0	61,424
1.1.5.4.2.2 Construction Coordinator Support	BCWS	0	0	92,135
1.1.5.4.2.3 A/E Support	BCWS	0	0	28,600
1.2.11.2.2.1 Labor	BCWS	0	0	0
1.2.11.3.1 Labor	BCWS	0	0	0
1.2.11.3.2 Travel	BCWS	0	0	3,858
1.2.2.8 Continue scintillator composition studies - value engineerin	BCWS	0	0	3,541
1.2.3.5 Continue accelerated aging studies - value engineering - 2HF	BCWS	0	0	3,541
1.2.4.3 Study mixing methods for waveshifters and pseudocumene - 2HF	BCWS	0	0	0
1.2.4.6 Study mixing methods for fluor (pre) mix with mineral oil -	BCWS	0	0	0
1.2.4.7 Production Blending Development - FY08	BCWS	0	0	9,955
1.2.4.8 Production Blending Development - FY08 - part 2	BCWS	0	0	2,827
1.2.4.9 Production Blending Development - FY09- Oct-Jan	BCWS	0	0	17,069
1.2.5.1.7 Continue QC procedure development - value engineering - 2HFY	BCWS	0	0	3,541
1.2.5.2.1.6 Evaluate - 2HFY07	BCWS	0	0	1,821
1.2.5.2.2.5 Evaluate-2HFY07	BCWS	0	0	0
1.2.6.1.3 Study transport of mineral oil to mixing facility - 2HFY07	BCWS	0	0	9,366
1.2.6.2.5 Study transport methods to far detector site - 2HFY07	BCWS	0	0	9,366
1.2.7.5 Continue blending option investigations - 2HFY07	BCWS	0	0	1,767
1.2.8.1.5 Continue investigation of mineral oil vendors for production	BCWS	0	0	0

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.2.8.2.5 Continue investigation of pseudocumene vendors for productio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.4 ISO tanks delivery and leasing	BCWS	0	0	0	0	2,629	3,843	4,754	4,134	3,721	4,341	4,341
1.2.9.1.5 ISO tank leasing - continued	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.1 Purchase secondary containment	BCWS	0	0	0	14,286	18,054	0	0	0	0	0	0
1.2.9.2.1.2 Set up and install secondary containment	BCWS	0	0	0	0	4,932	0	0	0	0	0	0
1.2.9.2.2.1 Design IPND blending system	BCWS	0	5,450	5,202	5,202	1,470	0	0	0	0	0	0
1.2.9.2.2.2 Procure blending system parts (pumps, hoses, instrumentati	BCWS	0	0	0	0	20,198	22,489	3,590	0	0	0	0
1.2.9.2.2.3 Assemble blending system	BCWS	0	0	0	0	0	0	3,001	100	0	0	0
1.2.9.2.2.4 Electrical hook-up of blending system	BCWS	0	0	0	0	0	0	944	0	0	0	0
1.2.9.2.3 Procure fire protection equipment	BCWS	0	0	0	0	472	105	0	0	0	0	0
1.2.9.2.5 Commission blending system	BCWS	0	0	0	0	0	0	0	0	0	103	413
1.2.9.2.7 Decommission prototype blending infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.10 QC batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.13 QC batch 3 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.7 QC batch 1	BCWS	0	0	0	0	493	0	0	0	0	0	0
1.2.9.6.1 Blend psuedocumene and waveshifters-batch 1	BCWS	0	0	0	0	0	0	0	1,034	0	0	0
1.2.9.6.10 QC scintillator blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.2 QC fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	517	0	0	0
1.2.9.6.3 Blend psuedocumene and waveshifters-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.4 QC fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.5 Blend mineral oil with fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	1,034
1.2.9.6.6 QC scintillator blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	517
1.2.9.6.7 Blend mineral oil with fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.8 QC scintillator blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.9 Blend mineral oil with fluor blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.1 Batch 1 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.2 Batch 2 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.3 Batch 3 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.10 Document vendor interactions and performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.11 Review and select vendor for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.12 Review and select diameter for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.5 Work with vendors to achieve requirements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.9 Coordinate sample fiber procurements - 2HFY07	BCWS	0	781	746	746	817	630	0	0	0	0	0
1.3.3.1.3 Procure fiber for R&D - 2HFY07	BCWS	0	1,213	1,158	1,158	1,268	978	0	0	0	0	0
1.3.3.2.7 Document test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.2 Setup test equipment	BCWS	0	7,859	3,001	0	0	0	0	0	0	0	0
1.3.3.3.1.4.3 Perform spectral analyses @ 15 m length	BCWS	0	0	309	499	547	452	573	498	449	0	0
1.3.3.3.1.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.5 Perform spectral analyses @ 15 m length - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.2 Setup test equipment	BCWS	0	10,175	3,885	0	0	0	0	0	0	0	0
1.3.3.3.2.2.3 Perform spectral analyses @ 15 m length	BCWS	0	0	941	1,568	1,717	1,419	1,451	0	0	0	0
1.3.3.3.2.2.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.10 Determine survival limits during shipping and handling	BCWS	0	0	0	0	0	0	0	682	614	0	0
1.3.3.4.11 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.12 Review and certify fiber OK in scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.7 Perform bending tests in liquid scintillator - 2HFY07	BCWS	0	1,910	1,763	0	0	0	0	0	0	0	0
1.3.3.4.9 Perform accelerated aging tests in liquid scintillator - 2H	BCWS	0	603	557	0	0	0	0	0	0	0	0
1.3.3.4.13 Determine survival limits during shipping and handling - pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.5 Review and select fiber dye concentration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.1 Develop QA procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.2 Develop QA test equipment for fiber acceptance	BCWS	0	0	0	0	0	0	393	7,857	7,072	0	0
1.3.4.3 Develop QA documentation tool	BCWS	0	0	0	0	0	0	0	1,325	1,192	0	0
1.3.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.5 Develop QA procedures - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.6 Develop QA test equipment for fiber acceptance - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.2.8.2.5 Continue investigation of pseudocumene vendors for productio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.4 ISO tanks delivery and leasing	BCWS	4,341	4,548	4,341	4,341	4,548	4,341	4,341	4,854	3,799	4,221	4,221
1.2.9.1.5 ISO tank leasing - continued	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.1 Purchase secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.2 Set up and install secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.1 Design IPND blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.2 Procure blending system parts (pumps, hoses, instrumentati	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.3 Assemble blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.4 Electrical hook-up of blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.3 Procure fire protection equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.5 Commission blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.7 Decommission prototype blending infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.10 QC batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.13 QC batch 3 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.7 QC batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.1 Blend psuedocumene and waveshifters-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.10 QC scintillator blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.2 QC fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.3 Blend psuedocumene and waveshifters-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.4 QC fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.5 Blend mineral oil with fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.6 QC scintillator blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.7 Blend mineral oil with fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.8 QC scintillator blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.9 Blend mineral oil with fluor blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.1 Batch 1 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.2 Batch 2 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.3 Batch 3 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.10 Document vendor interactions and performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.11 Review and select vendor for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.12 Review and select diameter for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.5 Work with vendors to achieve requirements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.9 Coordinate sample fiber procurements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.1.3 Procure fiber for R&D - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.2.7 Document test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.5 Perform spectral analyses @ 15 m length - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.10 Determine survival limits during shipping and handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.11 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.12 Review and certify fiber OK in scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.7 Perform bending tests in liquid scintillator - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.9 Perform accelerated aging tests in liquid scintillator - 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.13 Determine survival limits during shipping and handling - pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.5 Review and select fiber dye concentration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.1 Develop QA procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.2 Develop QA test equipment for fiber acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.3 Develop QA documentation tool	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.5 Develop QA procedures - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.6 Develop QA test equipment for fiber acceptance - part 2	BCWS	0	0	0	0	0	14,899	14,221	17,804	13,378	12,635	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.2.8.2.5 Continue investigation of pseudocumene vendors for productio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.4 ISO tanks delivery and leasing	BCWS	4,221	4,643	2,744	0	0	0	0	0	0	0	0
1.2.9.1.5 ISO tank leasing - continued	BCWS	0	0	0	0	0	2,465	2,353	2,353	2,482	2,143	2,256
1.2.9.2.1.1 Purchase secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.2 Set up and install secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.1 Design IPND blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.2 Procure blending system parts (pumps, hoses, instrumentati	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.3 Assemble blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.4 Electrical hook-up of blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.3 Procure fire protection equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.5 Commission blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.7 Decommission prototype blending infrastructure	BCWS	1,083	0	0	0	0	0	0	0	0	0	0
1.2.9.3.10 QC batch 2	BCWS	542	0	0	0	0	0	0	0	0	0	0
1.2.9.3.13 QC batch 3 (obsolete)	BCWS	542	0	0	0	0	0	0	0	0	0	0
1.2.9.3.7 QC batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.1 Blend psuedocumene and waveshifters-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.10 QC scintillator blend-batch 3	BCWS	542	0	0	0	0	0	0	0	0	0	0
1.2.9.6.2 QC fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.3 Blend psuedocumene and waveshifters-batch 2	BCWS	1,083	0	0	0	0	0	0	0	0	0	0
1.2.9.6.4 QC fluor blend-batch 2	BCWS	542	0	0	0	0	0	0	0	0	0	0
1.2.9.6.5 Blend mineral oil with fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.6 QC scintillator blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.7 Blend mineral oil with fluor blend-batch 2	BCWS	1,083	0	0	0	0	0	0	0	0	0	0
1.2.9.6.8 QC scintillator blend-batch 2	BCWS	542	0	0	0	0	0	0	0	0	0	0
1.2.9.6.9 Blend mineral oil with fluor blend-batch 3	BCWS	1,083	0	0	0	0	0	0	0	0	0	0
1.2.9.7.1 Batch 1 to integration prototype site	BCWS	271	0	0	0	0	0	0	0	0	0	0
1.2.9.7.2 Batch 2 to integration prototype site	BCWS	271	0	0	0	0	0	0	0	0	0	0
1.2.9.7.3 Batch 3 to integration prototype site	BCWS	135	0	0	0	0	0	0	0	0	0	0
1.3.2.10 Document vendor interactions and performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.11 Review and select vendor for production fiber	BCWS	243	0	0	0	0	0	0	0	0	0	0
1.3.2.12 Review and select diameter for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.5 Work with vendors to achieve requirements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.9 Coordinate sample fiber procurements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.1.3 Procure fiber for R&D - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.2.7 Document test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.5 Perform spectral analyses @ 15 m length - part 2	BCWS	1,255	1,130	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.10 Determine survival limits during shipping and handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.11 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.12 Review and certify fiber OK in scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.7 Perform bending tests in liquid scintillator - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.9 Perform accelerated aging tests in liquid scintillator - 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.13 Determine survival limits during shipping and handling - pa	BCWS	340	0	0	0	0	0	0	0	0	0	0
1.3.3.5 Review and select fiber dye concentration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.1 Develop QA procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.2 Develop QA test equipment for fiber acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.3 Develop QA documentation tool	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.5 Develop QA procedures - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.6 Develop QA test equipment for fiber acceptance - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.2.8.2.5 Continue investigation of pseudocumene vendors for productio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.4 ISO tanks delivery and leasing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.5 ISO tank leasing - continued	BCWS	2,143	2,256	2,595	2,482	2,256	0	0	0	0	0	0
1.2.9.2.1.1 Purchase secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.2 Set up and install secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.1 Design IPND blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.2 Procure blending system parts (pumps, hoses, instrumentati	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.3 Assemble blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.4 Electrical hook-up of blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.3 Procure fire protection equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.5 Commission blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.7 Decommission prototype blending infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.10 QC batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.13 QC batch 3 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.7 QC batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.1 Blend psuedocumene and waveshifters-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.10 QC scintillator blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.2 QC fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.3 Blend psuedocumene and waveshifters-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.4 QC fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.5 Blend mineral oil with fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.6 QC scintillator blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.7 Blend mineral oil with fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.8 QC scintillator blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.9 Blend mineral oil with fluor blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.1 Batch 1 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.2 Batch 2 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.3 Batch 3 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.10 Document vendor interactions and performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.11 Review and select vendor for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.12 Review and select diameter for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.5 Work with vendors to achieve requirements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.9 Coordinate sample fiber procurements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.1.3 Procure fiber for R&D - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.2.7 Document test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.5 Perform spectral analyses @ 15 m length - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.10 Determine survival limits during shipping and handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.11 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.12 Review and certify fiber OK in scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.7 Perform bending tests in liquid scintillator - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.9 Perform accelerated aging tests in liquid scintillator - 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.13 Determine survival limits during shipping and handling - pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.5 Review and select fiber dye concentration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.1 Develop QA procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.2 Develop QA test equipment for fiber acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.3 Develop QA documentation tool	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.5 Develop QA procedures - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.6 Develop QA test equipment for fiber acceptance - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.2.8.2.5 Continue investigation of pseudocumene vendors for productio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.4 ISO tanks delivery and leasing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.5 ISO tank leasing - continued	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.1 Purchase secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.2 Set up and install secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.1 Design IPND blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.2 Procure blending system parts (pumps, hoses, instrumentati	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.3 Assemble blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.4 Electrical hook-up of blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.3 Procure fire protection equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.5 Commission blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.7 Decommission prototype blending infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.10 QC batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.13 QC batch 3 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.7 QC batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.1 Blend psuedocumene and waveshifters-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.10 QC scintillator blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.2 QC fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.3 Blend psuedocumene and waveshifters-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.4 QC fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.5 Blend mineral oil with fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.6 QC scintillator blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.7 Blend mineral oil with fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.8 QC scintillator blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.9 Blend mineral oil with fluor blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.1 Batch 1 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.2 Batch 2 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.3 Batch 3 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.10 Document vendor interactions and performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.11 Review and select vendor for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.12 Review and select diameter for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.5 Work with vendors to achieve requirements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.9 Coordinate sample fiber procurements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.1.3 Procure fiber for R&D - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.2.7 Document test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.5 Perform spectral analyses @ 15 m length - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.10 Determine survival limits during shipping and handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.11 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.12 Review and certify fiber OK in scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.7 Perform bending tests in liquid scintillator - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.9 Perform accelerated aging tests in liquid scintillator - 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.13 Determine survival limits during shipping and handling - pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.5 Review and select fiber dye concentration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.1 Develop QA procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.2 Develop QA test equipment for fiber acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.3 Develop QA documentation tool	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.5 Develop QA procedures - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.6 Develop QA test equipment for fiber acceptance - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
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3/8/2011	12/31/2010

WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.2.8.2.5 Continue investigation of pseudocumene vendors for productio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.4 ISO tanks delivery and leasing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.5 ISO tank leasing - continued	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.1 Purchase secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.2 Set up and install secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.1 Design IPND blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.2 Procure blending system parts (pumps, hoses, instrumentati	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.3 Assemble blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.4 Electrical hook-up of blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.3 Procure fire protection equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.5 Commission blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.7 Decommission prototype blending infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.10 QC batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.13 QC batch 3 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.7 QC batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.1 Blend psuedocumene and waveshifters-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.10 QC scintillator blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.2 QC fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.3 Blend psuedocumene and waveshifters-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.4 QC fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.5 Blend mineral oil with fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.6 QC scintillator blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.7 Blend mineral oil with fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.8 QC scintillator blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.9 Blend mineral oil with fluor blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.1 Batch 1 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.2 Batch 2 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.3 Batch 3 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.10 Document vendor interactions and performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.11 Review and select vendor for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.12 Review and select diameter for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.5 Work with vendors to achieve requirements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.9 Coordinate sample fiber procurements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.1.3 Procure fiber for R&D - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.2.7 Document test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.5 Perform spectral analyses @ 15 m length - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.10 Determine survival limits during shipping and handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.11 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.12 Review and certify fiber OK in scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.7 Perform bending tests in liquid scintillator - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.9 Perform accelerated aging tests in liquid scintillator - 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.13 Determine survival limits during shipping and handling - pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.5 Review and select fiber dye concentration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.1 Develop QA procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.2 Develop QA test equipment for fiber acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.3 Develop QA documentation tool	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.5 Develop QA procedures - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.6 Develop QA test equipment for fiber acceptance - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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3/8/2011	12/31/2010

WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.2.8.2.5 Continue investigation of pseudocumene vendors for productio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.4 ISO tanks delivery and leasing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.5 ISO tank leasing - continued	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.1 Purchase secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.2 Set up and install secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.1 Design IPND blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.2 Procure blending system parts (pumps, hoses, instrumentati	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.3 Assemble blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.4 Electrical hook-up of blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.3 Procure fire protection equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.5 Commission blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.7 Decommission prototype blending infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.10 QC batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.13 QC batch 3 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.7 QC batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.1 Blend psuedocumene and waveshifters-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.10 QC scintillator blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.2 QC fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.3 Blend psuedocumene and waveshifters-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.4 QC fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.5 Blend mineral oil with fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.6 QC scintillator blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.7 Blend mineral oil with fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.8 QC scintillator blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.9 Blend mineral oil with fluor blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.1 Batch 1 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.2 Batch 2 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.3 Batch 3 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.10 Document vendor interactions and performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.11 Review and select vendor for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.12 Review and select diameter for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.5 Work with vendors to achieve requirements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.9 Coordinate sample fiber procurements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.1.3 Procure fiber for R&D - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.2.7 Document test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.5 Perform spectral analyses @ 15 m length - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.10 Determine survival limits during shipping and handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.11 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.12 Review and certify fiber OK in scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.7 Perform bending tests in liquid scintillator - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.9 Perform accelerated aging tests in liquid scintillator - 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.13 Determine survival limits during shipping and handling - pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.5 Review and select fiber dye concentration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.1 Develop QA procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.2 Develop QA test equipment for fiber acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.3 Develop QA documentation tool	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.5 Develop QA procedures - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.6 Develop QA test equipment for fiber acceptance - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.2.8.2.5 Continue investigation of pseudocumene vendors for productio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.4 ISO tanks delivery and leasing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.1.5 ISO tank leasing - continued	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.1 Purchase secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.1.2 Set up and install secondary containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.1 Design IPND blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.2 Procure blending system parts (pumps, hoses, instrumentati	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.3 Assemble blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.2.4 Electrical hook-up of blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.3 Procure fire protection equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.5 Commission blending system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.2.7 Decommission prototype blending infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.10 QC batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.13 QC batch 3 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.3.7 QC batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.1 Blend psuedocumene and waveshifters-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.10 QC scintillator blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.2 QC fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.3 Blend psuedocumene and waveshifters-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.4 QC fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.5 Blend mineral oil with fluor blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.6 QC scintillator blend-batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.7 Blend mineral oil with fluor blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.8 QC scintillator blend-batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.6.9 Blend mineral oil with fluor blend-batch 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.1 Batch 1 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.2 Batch 2 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.2.9.7.3 Batch 3 to integration prototype site	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.10 Document vendor interactions and performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.11 Review and select vendor for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.12 Review and select diameter for production fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.5 Work with vendors to achieve requirements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.2.9 Coordinate sample fiber procurements - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.1.3 Procure fiber for R&D - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.2.7 Document test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.1.4.5 Perform spectral analyses @ 15 m length - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.2 Setup test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.3 Perform spectral analyses @ 15 m length	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.3.2.2.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.10 Determine survival limits during shipping and handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.11 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.12 Review and certify fiber OK in scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.7 Perform bending tests in liquid scintillator - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.9 Perform accelerated aging tests in liquid scintillator - 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.4.13 Determine survival limits during shipping and handling - pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.3.5 Review and select fiber dye concentration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.1 Develop QA procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.2 Develop QA test equipment for fiber acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.3 Develop QA documentation tool	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.4 Document results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.5 Develop QA procedures - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.4.6 Develop QA test equipment for fiber acceptance - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.2.8.2.5 Continue investigation of pseudocumene vendors for productio	BCWS	0	0	0
1.2.9.1.4 ISO tanks delivery and leasing	BCWS	0	0	87,268
1.2.9.1.5 ISO tank leasing - continued	BCWS	0	0	25,786
1.2.9.2.1.1 Purchase secondary containment	BCWS	0	0	32,340
1.2.9.2.1.2 Set up and install secondary containment	BCWS	0	0	4,932
1.2.9.2.2.1 Design IPND blending system	BCWS	0	0	17,325
1.2.9.2.2.2 Procure blending system parts (pumps, hoses, instrumentati	BCWS	0	0	46,277
1.2.9.2.2.3 Assemble blending system	BCWS	0	0	3,101
1.2.9.2.2.4 Electrical hook-up of blending system	BCWS	0	0	944
1.2.9.2.3 Procure fire protection equipment	BCWS	0	0	578
1.2.9.2.5 Commission blending system	BCWS	0	0	517
1.2.9.2.7 Decommission prototype blending infrastructure	BCWS	0	0	1,083
1.2.9.3.10 QC batch 2	BCWS	0	0	542
1.2.9.3.13 QC batch 3 (obsolete)	BCWS	0	0	542
1.2.9.3.7 QC batch 1	BCWS	0	0	493
1.2.9.6.1 Blend psuedocumene and waveshifters-batch 1	BCWS	0	0	1,034
1.2.9.6.10 QC scintillator blend-batch 3	BCWS	0	0	542
1.2.9.6.2 QC fluor blend-batch 1	BCWS	0	0	517
1.2.9.6.3 Blend psuedocumene and waveshifters-batch 2	BCWS	0	0	1,083
1.2.9.6.4 QC fluor blend-batch 2	BCWS	0	0	542
1.2.9.6.5 Blend mineral oil with fluor blend-batch 1	BCWS	0	0	1,034
1.2.9.6.6 QC scintillator blend-batch 1	BCWS	0	0	517
1.2.9.6.7 Blend mineral oil with fluor blend-batch 2	BCWS	0	0	1,083
1.2.9.6.8 QC scintillator blend-batch 2	BCWS	0	0	542
1.2.9.6.9 Blend mineral oil with fluor blend-batch 3	BCWS	0	0	1,083
1.2.9.7.1 Batch 1 to integration prototype site	BCWS	0	0	271
1.2.9.7.2 Batch 2 to integration prototype site	BCWS	0	0	271
1.2.9.7.3 Batch 3 to integration prototype site	BCWS	0	0	135
1.3.2.10 Document vendor interactions and performance	BCWS	0	0	0
1.3.2.11 Review and select vendor for production fiber	BCWS	0	0	243
1.3.2.12 Review and select diameter for production fiber	BCWS	0	0	0
1.3.2.5 Work with vendors to achieve requirements - 2HFY07	BCWS	0	0	0
1.3.2.9 Coordinate sample fiber procurements - 2HFY07	BCWS	0	0	3,719
1.3.3.1.3 Procure fiber for R&D - 2HFY07	BCWS	0	0	5,775
1.3.3.2.7 Document test results	BCWS	0	0	0
1.3.3.3.1.4.2 Setup test equipment	BCWS	0	0	10,859
1.3.3.3.1.4.3 Perform spectral analyses @ 15 m length	BCWS	0	0	3,327
1.3.3.3.1.4.4 Document results	BCWS	0	0	0
1.3.3.3.1.4.5 Perform spectral analyses @ 15 m length - part 2	BCWS	0	0	2,385
1.3.3.3.2.2.2 Setup test equipment	BCWS	0	0	14,060
1.3.3.3.2.2.3 Perform spectral analyses @ 15 m length	BCWS	0	0	7,096
1.3.3.3.2.2.4 Document results	BCWS	0	0	0
1.3.3.4.10 Determine survival limits during shipping and handling	BCWS	0	0	1,297
1.3.3.4.11 Document results	BCWS	0	0	0
1.3.3.4.12 Review and certify fiber OK in scintillator	BCWS	0	0	0
1.3.3.4.7 Perform bending tests in liquid scintillator - 2HFY07	BCWS	0	0	3,673
1.3.3.4.9 Perform accelerated aging tests in liquid scintillator - 2H	BCWS	0	0	1,160
1.3.3.4.13 Determine survival limits during shipping and handling - pa	BCWS	0	0	340
1.3.3.5 Review and select fiber dye concentration	BCWS	0	0	0
1.3.4.1 Develop QA procedures	BCWS	0	0	0
1.3.4.2 Develop QA test equipment for fiber acceptance	BCWS	0	0	15,322
1.3.4.3 Develop QA documentation tool	BCWS	0	0	2,517
1.3.4.4 Document results	BCWS	0	0	0
1.3.4.5 Develop QA procedures - part 2	BCWS	0	0	0
1.3.4.6 Develop QA test equipment for fiber acceptance - part 2	BCWS	0	0	72,937

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.3.4.7 Develop QA documentation tool - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.1 Procure fiber for integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.2 Compare IPND fiber to R&D fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.3 Ship IPND fiber to Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.2 Review IPND fiber parameter choices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.3 Review results of IPND fiber tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.7 Prepare specification document for production WLS fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.2 Travel	BCWS	0	420	401	401	439	339	0	0	0	0	0
1.3.7.2.2.4 Materials and supplies	BCWS	0	84	80	80	88	68	0	0	0	0	0
1.3.7.3.1 Labor	BCWS	0	0	0	0	0	0	536	510	438	0	0
1.3.7.3.2 Travel	BCWS	0	0	0	0	0	0	231	219	188	0	0
1.3.7.3.3 Equipment	BCWS	0	0	0	0	0	0	185	176	151	0	0
1.3.7.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	46	44	38	0	0
1.4.1.1.1.3 Consulting on PVC reflectivity issues - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.4 Investigate extruding process properties and surface effec	BCWS	0	881	841	841	921	710	0	0	0	0	0
1.4.1.1.2.5.3 Perform reflectivity tests on new materials - 2HFY07	BCWS	0	3,471	3,313	3,313	3,628	2,798	0	0	0	0	0
1.4.1.1.3.2.3 Perform light output tests on new materials - 2HFY07	BCWS	0	1,942	1,854	1,854	2,030	1,565	0	0	0	0	0
1.4.1.1.4 Document extrusion optical properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.1.3 Perform tensile tests - 2HFY07	BCWS	0	808	771	771	845	651	0	0	0	0	0
1.4.1.2.2.1.4 Perform long-term creep tests - 2HFY07	BCWS	0	440	420	420	460	355	0	0	0	0	0
1.4.1.2.2.2.3 Perform long-term creep tests - 2HFY07	BCWS	0	1,481	1,414	1,414	1,548	1,194	0	0	0	0	0
1.4.1.2.2.2.4 Perform long-term creep tests - FY08	BCWS	0	0	0	0	0	0	956	831	748	873	873
1.4.1.2.2.2.6 Perform accelerated creep tests - 2HFY07	BCWS	0	1,253	1,196	1,196	1,309	1,010	0	0	0	0	0
1.4.1.2.2.2.8 Analyze creep test data - 2HFY07	BCWS	0	2,461	2,349	2,349	2,573	1,984	0	0	0	0	0
1.4.1.2.2.2.9 Analyze creep test data - FY08	BCWS	0	0	0	0	0	0	2,273	1,977	1,779	2,076	2,076
1.4.1.2.3.4 Characterize impact properties of PVC compounds - continue	BCWS	0	687	656	656	718	593	746	648	584	0	0
1.4.1.2.3.5 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.3 Investigate environmental effects on PVC compounds - 2HFY0	BCWS	0	1,330	1,270	1,270	1,391	1,072	0	0	0	0	0
1.4.1.2.4.4 Investigate environmental effects on PVC compounds - FY08	BCWS	0	0	0	0	0	0	426	589	425	0	0
1.4.1.2.4.5 Investigate environmental effects on PVC compounds - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.1 Determine frequency and type of mechanical tests done at ext	BCWS	0	220	210	210	231	190	242	210	189	0	0
1.4.1.3.10 Purchase additional QA equipment	BCWS	0	0	590	4,132	7,214	5,798	-5,445	-10,196	-2,340	0	0
1.4.1.3.11 Perform QA on prototype extrusions	BCWS	0	0	0	290	2,861	2,304	-1,706	-3,461	-549	0	0
1.4.1.3.2 Develop/purchase equipment for QC tests at extruder	BCWS	0	1,700	1,623	1,623	1,778	1,469	1,852	1,611	1,450	0	0
1.4.1.3.4 Perform mechanical tests for quality assurance - horizontal	BCWS	0	1,479	1,412	1,412	1,546	1,192	0	0	0	0	0
1.4.1.3.5 Perform mechanical tests for quality assurance - vertical ex	BCWS	0	0	0	562	923	762	967	841	757	0	0
1.4.1.3.7 Perform reflectivity tests for quality assurance - horizonta	BCWS	0	4,144	3,956	3,956	4,332	3,340	0	0	0	0	0
1.4.1.3.8 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	708	1,163	961	1,219	1,060	954	0	0
1.4.1.3.9 Investigate additional QA equipment	BCWS	0	42	438	438	480	397	503	438	394	0	0
1.4.1.3.12 Determine frequency and type of mechanical tests done at ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.13 Develop/purchase equipment for QC tests at extruder - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.14 Perform mechanical tests for quality assurance - vertical e	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.15 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.16 Investigate additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.17 Purchase additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.18 Perform QA on prototype extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.1 Define raw material tests for acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.2 Perform tests to characterize raw material	BCWS	0	6,541	6,244	2,215	0	0	0	0	0	0	0
1.4.2.2.2.1.5 Work with vendors to develop custom PVC compounds - 2HFY	BCWS	0	938	895	895	980	756	0	0	0	0	0
1.4.2.2.2.1.8 Evaluate PVC compound studies - 2HFY07	BCWS	0	234	224	224	245	189	0	0	0	0	0
1.4.2.2.2.2.3 Work with consultant and lab to develop custom PVC - 2HF	BCWS	0	1,262	1,204	1,204	1,319	1,017	0	0	0	0	0
1.4.2.2.2.2.6 Issue PO's to selected vendors - 2HFY07	BCWS	0	14,557	13,895	13,895	15,219	11,734	0	0	0	0	0
1.4.2.2.2.2.9 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.3.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.3.4.7 Develop QA documentation tool - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.1 Procure fiber for integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.2 Compare IPND fiber to R&D fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.3 Ship IPND fiber to Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.2 Review IPND fiber parameter choices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.3 Review results of IPND fiber tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.7 Prepare specification document for production WLS fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.1.3 Consulting on PVC reflectivity issues - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.4 Investigate extruding process properties and surface effec	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.5.3 Perform reflectivity tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.3.2.3 Perform light output tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.4 Document extrusion optical properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.1.3 Perform tensile tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.1.4 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.3 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.4 Perform long-term creep tests - FY08	BCWS	873	914	873	873	914	873	843	0	0	0	0
1.4.1.2.2.2.6 Perform accelerated creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.8 Analyze creep test data - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.9 Analyze creep test data - FY08	BCWS	2,076	2,174	2,076	2,076	2,174	2,076	2,006	0	0	0	0
1.4.1.2.3.4 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.5 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.3 Investigate environmental effects on PVC compounds - 2HFY0	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.4 Investigate environmental effects on PVC compounds - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.5 Investigate environmental effects on PVC compounds - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.1 Determine frequency and type of mechanical tests done at ext	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.10 Purchase additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.11 Perform QA on prototype extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.2 Develop/purchase equipment for QC tests at extruder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.4 Perform mechanical tests for quality assurance - horizontal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.5 Perform mechanical tests for quality assurance - vertical ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.7 Perform reflectivity tests for quality assurance - horizonta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.8 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.9 Investigate additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.12 Determine frequency and type of mechanical tests done at ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.13 Develop/purchase equipment for QC tests at extruder - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.14 Perform mechanical tests for quality assurance - vertical e	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.15 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.16 Investigate additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.17 Purchase additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.18 Perform QA on prototype extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.1 Define raw material tests for acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.2 Perform tests to characterize raw material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.5 Work with vendors to develop custom PVC compounds - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.8 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.3 Work with consultant and lab to develop custom PVC - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.6 Issue PO's to selected vendors - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.9 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.3.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.3.4.7 Develop QA documentation tool - part 2	BCWS	0	0	2,158	0	0	0	0	0	0	0	0
1.3.5.1 Procure fiber for integration prototype	BCWS	0	0	30,068	27,335	10,934	0	0	0	0	0	0
1.3.5.2 Compare IPND fiber to R&D fiber	BCWS	23,465	32,264	32,264	29,331	0	0	0	0	0	0	0
1.3.5.3 Ship IPND fiber to Minnesota	BCWS	0	0	0	0	0	962	962	962	329	0	0
1.3.6.2 Review IPND fiber parameter choices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.3 Review results of IPND fiber tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.7 Prepare specification document for production WLS fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.1.3 Consulting on PVC reflectivity issues - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.4 Investigate extruding process properties and surface effec	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.5.3 Perform reflectivity tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.3.2.3 Perform light output tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.4 Document extrusion optical properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.1.3 Perform tensile tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.1.4 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.3 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.4 Perform long-term creep tests - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.6 Perform accelerated creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.8 Analyze creep test data - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.9 Analyze creep test data - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.4 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.5 Characterize impact properties of PVC compounds - continue	BCWS	4,396	4,835	0	0	0	0	0	0	0	0	0
1.4.1.2.4.3 Investigate environmental effects on PVC compounds - 2HFY0	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.4 Investigate environmental effects on PVC compounds - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.5 Investigate environmental effects on PVC compounds - Part	BCWS	3,798	4,178	4,178	3,798	4,182	4,182	3,992	3,992	3,895	0	0
1.4.1.3.1 Determine frequency and type of mechanical tests done at ext	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.10 Purchase additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.11 Perform QA on prototype extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.2 Develop/purchase equipment for QC tests at extruder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.4 Perform mechanical tests for quality assurance - horizontal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.5 Perform mechanical tests for quality assurance - vertical ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.7 Perform reflectivity tests for quality assurance - horizonta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.8 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.9 Investigate additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.12 Determine frequency and type of mechanical tests done at ex	BCWS	449	494	494	449	494	494	472	472	494	0	0
1.4.1.3.13 Develop/purchase equipment for QC tests at extruder - Part	BCWS	5,983	6,581	6,581	5,983	6,581	6,581	5,983	0	0	0	0
1.4.1.3.14 Perform mechanical tests for quality assurance - vertical e	BCWS	910	1,001	1,001	910	1,001	1,001	955	955	0	0	0
1.4.1.3.15 Perform reflectivity tests for quality assurance - vertical	BCWS	4,333	4,767	4,767	1,300	0	0	0	0	0	0	0
1.4.1.3.16 Investigate additional QA equipment - Part 2	BCWS	434	478	478	434	478	456	0	0	0	0	0
1.4.1.3.17 Purchase additional QA equipment - Part 2	BCWS	0	5,534	5,534	5,031	5,559	5,559	5,306	4,801	0	0	0
1.4.1.3.18 Perform QA on prototype extrusions - Part 2	BCWS	0	156	1,719	1,563	1,739	1,739	1,660	1,660	1,822	1,574	1,657
1.4.1.4.1 Define raw material tests for acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.2 Perform tests to characterize raw material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.5 Work with vendors to develop custom PVC compounds - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.8 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.3 Work with consultant and lab to develop custom PVC - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.6 Issue PO's to selected vendors - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.9 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.3.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.3.4.7 Develop QA documentation tool - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.1 Procure fiber for integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.2 Compare IPND fiber to R&D fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.3 Ship IPND fiber to Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.2 Review IPND fiber parameter choices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.3 Review results of IPND fiber tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.7 Prepare specification document for production WLS fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.1.3 Consulting on PVC reflectivity issues - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.4 Investigate extruding process properties and surface effec	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.5.3 Perform reflectivity tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.3.2.3 Perform light output tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.4 Document extrusion optical properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.1.3 Perform tensile tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.1.4 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.3 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.4 Perform long-term creep tests - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.6 Perform accelerated creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.8 Analyze creep test data - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.9 Analyze creep test data - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.4 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.5 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.3 Investigate environmental effects on PVC compounds - 2HFY0	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.4 Investigate environmental effects on PVC compounds - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.5 Investigate environmental effects on PVC compounds - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.1 Determine frequency and type of mechanical tests done at ext	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.10 Purchase additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.11 Perform QA on prototype extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.2 Develop/purchase equipment for QC tests at extruder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.4 Perform mechanical tests for quality assurance - horizontal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.5 Perform mechanical tests for quality assurance - vertical ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.7 Perform reflectivity tests for quality assurance - horizonta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.8 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.9 Investigate additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.12 Determine frequency and type of mechanical tests done at ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.13 Develop/purchase equipment for QC tests at extruder - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.14 Perform mechanical tests for quality assurance - vertical e	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.15 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.16 Investigate additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.17 Purchase additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.18 Perform QA on prototype extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.1 Define raw material tests for acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.2 Perform tests to characterize raw material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.5 Work with vendors to develop custom PVC compounds - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.8 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.3 Work with consultant and lab to develop custom PVC - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.6 Issue PO's to selected vendors - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.9 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.3.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.3.4.7 Develop QA documentation tool - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.1 Procure fiber for integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.2 Compare IPND fiber to R&D fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.3 Ship IPND fiber to Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.2 Review IPND fiber parameter choices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.3 Review results of IPND fiber tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.7 Prepare specification document for production WLS fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.1.3 Consulting on PVC reflectivity issues - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.4 Investigate extruding process properties and surface effec	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.5.3 Perform reflectivity tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.3.2.3 Perform light output tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.4 Document extrusion optical properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.1.3 Perform tensile tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.1.4 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.3 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.4 Perform long-term creep tests - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.6 Perform accelerated creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.8 Analyze creep test data - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.9 Analyze creep test data - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.4 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.5 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.3 Investigate environmental effects on PVC compounds - 2HFY0	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.4 Investigate environmental effects on PVC compounds - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.5 Investigate environmental effects on PVC compounds - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.1 Determine frequency and type of mechanical tests done at ext	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.10 Purchase additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.11 Perform QA on prototype extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.2 Develop/purchase equipment for QC tests at extruder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.4 Perform mechanical tests for quality assurance - horizontal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.5 Perform mechanical tests for quality assurance - vertical ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.7 Perform reflectivity tests for quality assurance - horizonta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.8 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.9 Investigate additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.12 Determine frequency and type of mechanical tests done at ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.13 Develop/purchase equipment for QC tests at extruder - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.14 Perform mechanical tests for quality assurance - vertical e	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.15 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.16 Investigate additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.17 Purchase additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.18 Perform QA on prototype extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.1 Define raw material tests for acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.2 Perform tests to characterize raw material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.5 Work with vendors to develop custom PVC compounds - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.8 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.3 Work with consultant and lab to develop custom PVC - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.6 Issue PO's to selected vendors - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.9 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.3.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.3.4.7 Develop QA documentation tool - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.1 Procure fiber for integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.2 Compare IPND fiber to R&D fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.3 Ship IPND fiber to Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.2 Review IPND fiber parameter choices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.3 Review results of IPND fiber tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.7 Prepare specification document for production WLS fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.1.3 Consulting on PVC reflectivity issues - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.4 Investigate extruding process properties and surface effec	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.5.3 Perform reflectivity tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.3.2.3 Perform light output tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.4 Document extrusion optical properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.1.3 Perform tensile tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.1.4 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.3 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.4 Perform long-term creep tests - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.6 Perform accelerated creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.8 Analyze creep test data - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.9 Analyze creep test data - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.4 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.5 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.3 Investigate environmental effects on PVC compounds - 2HFY0	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.4 Investigate environmental effects on PVC compounds - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.5 Investigate environmental effects on PVC compounds - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.1 Determine frequency and type of mechanical tests done at ext	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.10 Purchase additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.11 Perform QA on prototype extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.2 Develop/purchase equipment for QC tests at extruder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.4 Perform mechanical tests for quality assurance - horizontal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.5 Perform mechanical tests for quality assurance - vertical ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.7 Perform reflectivity tests for quality assurance - horizonta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.8 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.9 Investigate additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.12 Determine frequency and type of mechanical tests done at ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.13 Develop/purchase equipment for QC tests at extruder - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.14 Perform mechanical tests for quality assurance - vertical e	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.15 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.16 Investigate additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.17 Purchase additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.18 Perform QA on prototype extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.1 Define raw material tests for acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.2 Perform tests to characterize raw material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.5 Work with vendors to develop custom PVC compounds - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.8 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.3 Work with consultant and lab to develop custom PVC - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.6 Issue PO's to selected vendors - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.9 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.3.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.3.4.7 Develop QA documentation tool - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.1 Procure fiber for integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.2 Compare IPND fiber to R&D fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.3 Ship IPND fiber to Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.2 Review IPND fiber parameter choices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.3 Review results of IPND fiber tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.7 Prepare specification document for production WLS fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.1.3 Consulting on PVC reflectivity issues - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.4 Investigate extruding process properties and surface effec	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.5.3 Perform reflectivity tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.3.2.3 Perform light output tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.4 Document extrusion optical properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.1.3 Perform tensile tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.1.4 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.3 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.4 Perform long-term creep tests - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.6 Perform accelerated creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.8 Analyze creep test data - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.9 Analyze creep test data - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.4 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.5 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.3 Investigate environmental effects on PVC compounds - 2HFY0	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.4 Investigate environmental effects on PVC compounds - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.5 Investigate environmental effects on PVC compounds - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.1 Determine frequency and type of mechanical tests done at ext	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.10 Purchase additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.11 Perform QA on prototype extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.2 Develop/purchase equipment for QC tests at extruder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.4 Perform mechanical tests for quality assurance - horizontal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.5 Perform mechanical tests for quality assurance - vertical ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.7 Perform reflectivity tests for quality assurance - horizonta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.8 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.9 Investigate additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.12 Determine frequency and type of mechanical tests done at ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.13 Develop/purchase equipment for QC tests at extruder - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.14 Perform mechanical tests for quality assurance - vertical e	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.15 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.16 Investigate additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.17 Purchase additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.18 Perform QA on prototype extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.1 Define raw material tests for acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.2 Perform tests to characterize raw material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.5 Work with vendors to develop custom PVC compounds - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.8 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.3 Work with consultant and lab to develop custom PVC - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.6 Issue PO's to selected vendors - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.9 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.3.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.3.4.7 Develop QA documentation tool - part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.1 Procure fiber for integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.2 Compare IPND fiber to R&D fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.5.3 Ship IPND fiber to Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.2 Review IPND fiber parameter choices	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.3 Review results of IPND fiber tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.6.7 Prepare specification document for production WLS fiber	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.3.7.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.1.3 Consulting on PVC reflectivity issues - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.4 Investigate extruding process properties and surface effec	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.2.5.3 Perform reflectivity tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.3.2.3 Perform light output tests on new materials - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.1.4 Document extrusion optical properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.1.3 Perform tensile tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.1.4 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.3 Perform long-term creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.4 Perform long-term creep tests - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.6 Perform accelerated creep tests - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.8 Analyze creep test data - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.2.2.9 Analyze creep test data - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.4 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.3.5 Characterize impact properties of PVC compounds - continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.3 Investigate environmental effects on PVC compounds - 2HFY0	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.4 Investigate environmental effects on PVC compounds - FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.2.4.5 Investigate environmental effects on PVC compounds - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.1 Determine frequency and type of mechanical tests done at ext	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.10 Purchase additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.11 Perform QA on prototype extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.2 Develop/purchase equipment for QC tests at extruder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.4 Perform mechanical tests for quality assurance - horizontal	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.5 Perform mechanical tests for quality assurance - vertical ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.7 Perform reflectivity tests for quality assurance - horizonta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.8 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.9 Investigate additional QA equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.12 Determine frequency and type of mechanical tests done at ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.13 Develop/purchase equipment for QC tests at extruder - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.14 Perform mechanical tests for quality assurance - vertical e	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.15 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.16 Investigate additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.17 Purchase additional QA equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.3.18 Perform QA on prototype extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.1 Define raw material tests for acceptance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.1.4.2 Perform tests to characterize raw material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.5 Work with vendors to develop custom PVC compounds - 2HFY	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.1.8 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.3 Work with consultant and lab to develop custom PVC - 2HF	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.6 Issue PO's to selected vendors - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.2.2.2.9 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.3.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.3.4.7 Develop QA documentation tool - part 2	BCWS	0	0	2,158
1.3.5.1 Procure fiber for integration prototype	BCWS	0	0	68,337
1.3.5.2 Compare IPND fiber to R&D fiber	BCWS	0	0	117,324
1.3.5.3 Ship IPND fiber to Minnesota	BCWS	0	0	3,217
1.3.6.2 Review IPND fiber parameter choices	BCWS	0	0	0
1.3.6.3 Review results of IPND fiber tests	BCWS	0	0	0
1.3.6.7 Prepare specification document for production WLS fiber	BCWS	0	0	0
1.3.7.2.2.1 Labor	BCWS	0	0	0
1.3.7.2.2.2 Travel	BCWS	0	0	2,000
1.3.7.2.2.4 Materials and supplies	BCWS	0	0	400
1.3.7.3.1 Labor	BCWS	0	0	1,485
1.3.7.3.2 Travel	BCWS	0	0	639
1.3.7.3.3 Equipment	BCWS	0	0	511
1.3.7.3.4 Materials and supplies	BCWS	0	0	128
1.4.1.1.1.3 Consulting on PVC reflectivity issues - 2HFY07	BCWS	0	0	0
1.4.1.1.2.4 Investigate extruding process properties and surface effec	BCWS	0	0	4,192
1.4.1.1.2.5.3 Perform reflectivity tests on new materials - 2HFY07	BCWS	0	0	16,522
1.4.1.1.3.2.3 Perform light output tests on new materials - 2HFY07	BCWS	0	0	9,245
1.4.1.1.4 Document extrusion optical properties	BCWS	0	0	0
1.4.1.2.1.3 Perform tensile tests - 2HFY07	BCWS	0	0	3,847
1.4.1.2.2.1.4 Perform long-term creep tests - 2HFY07	BCWS	0	0	2,096
1.4.1.2.2.2.3 Perform long-term creep tests - 2HFY07	BCWS	0	0	7,050
1.4.1.2.2.2.4 Perform long-term creep tests - FY08	BCWS	0	0	10,441
1.4.1.2.2.2.6 Perform accelerated creep tests - 2HFY07	BCWS	0	0	5,963
1.4.1.2.2.2.8 Analyze creep test data - 2HFY07	BCWS	0	0	11,716
1.4.1.2.2.2.9 Analyze creep test data - FY08	BCWS	0	0	24,838
1.4.1.2.3.4 Characterize impact properties of PVC compounds - continue	BCWS	0	0	5,289
1.4.1.2.3.5 Characterize impact properties of PVC compounds - continue	BCWS	0	0	9,231
1.4.1.2.4.3 Investigate environmental effects on PVC compounds - 2HFY0	BCWS	0	0	6,334
1.4.1.2.4.4 Investigate environmental effects on PVC compounds - FY08	BCWS	0	0	1,440
1.4.1.2.4.5 Investigate environmental effects on PVC compounds - Part	BCWS	0	0	36,197
1.4.1.3.1 Determine frequency and type of mechanical tests done at ext	BCWS	0	0	1,703
1.4.1.3.10 Purchase additional QA equipment	BCWS	0	0	-246
1.4.1.3.11 Perform QA on prototype extrusions	BCWS	0	0	-262
1.4.1.3.2 Develop/purchase equipment for QC tests at extruder	BCWS	0	0	13,105
1.4.1.3.4 Perform mechanical tests for quality assurance - horizontal	BCWS	0	0	7,041
1.4.1.3.5 Perform mechanical tests for quality assurance - vertical ex	BCWS	0	0	4,811
1.4.1.3.7 Perform reflectivity tests for quality assurance - horizonta	BCWS	0	0	19,728
1.4.1.3.8 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	6,066
1.4.1.3.9 Investigate additional QA equipment	BCWS	0	0	3,130
1.4.1.3.12 Determine frequency and type of mechanical tests done at ex	BCWS	0	0	4,312
1.4.1.3.13 Develop/purchase equipment for QC tests at extruder - Part	BCWS	0	0	44,274
1.4.1.3.14 Perform mechanical tests for quality assurance - vertical e	BCWS	0	0	7,733
1.4.1.3.15 Perform reflectivity tests for quality assurance - vertical	BCWS	0	0	15,167
1.4.1.3.16 Investigate additional QA equipment - Part 2	BCWS	0	0	2,757
1.4.1.3.17 Purchase additional QA equipment - Part 2	BCWS	0	0	37,323
1.4.1.3.18 Perform QA on prototype extrusions - Part 2	BCWS	0	0	15,289
1.4.1.4.1 Define raw material tests for acceptance	BCWS	0	0	0
1.4.1.4.2 Perform tests to characterize raw material	BCWS	0	0	15,000
1.4.2.2.2.1.5 Work with vendors to develop custom PVC compounds - 2HFY	BCWS	0	0	4,463
1.4.2.2.2.1.8 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	1,116
1.4.2.2.2.2.3 Work with consultant and lab to develop custom PVC - 2HF	BCWS	0	0	6,006
1.4.2.2.2.2.6 Issue PO's to selected vendors - 2HFY07	BCWS	0	0	69,300
1.4.2.2.2.2.9 Evaluate PVC compound studies - 2HFY07	BCWS	0	0	0
1.4.2.3.2.1 Prepare purchase order	BCWS	0	0	0

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.4.2.3.2.3 Produce raw PVC resin	BCWS	0	148,053	0	0	0	0	0	0	0	0	0
1.4.2.4.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	97,742	46,809	0	0	0	0
1.4.2.5.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.7 Final Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.10 Fabricate remaining extrusions	BCWS	0	1,431	15,028	15,028	16,459	13,597	16,822	14,627	13,165	0	0
1.4.3.4.5.7 Adjust die - 2HFY07	BCWS	0	5,775	0	0	0	0	0	0	0	0	0
1.4.3.4.5.8 Finalize resin compound for horizontal extrusion prototype	BCWS	0	1,116	0	0	0	0	0	0	0	0	0
1.4.3.4.5.12 Fabricate remaining extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.11 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	126,256	5,672	0	0	0
1.4.3.5.6 Modify die for vertical inserts	BCWS	0	0	1,452	858	0	0	0	0	0	0	0
1.4.3.5.7 Fabricate test extrusions	BCWS	0	0	0	2,045	3,472	2,869	470	0	0	0	0
1.4.3.5.8 Adjust die	BCWS	0	0	0	2,674	4,540	3,750	599	0	0	0	0
1.4.3.5.9 Finalize resin compound for vertical extrusion prototypes	BCWS	0	0	0	0	0	0	1,169	0	0	0	0
1.4.3.6.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.3 Fabricate additional horizontal test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.3 Fabricate additional vertical test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.10 Design preproduction motion system - 2HFY07	BCWS	0	1,725	1,647	1,647	1,803	1,390	0	0	0	0	0
1.4.4.12 Build and test preproduction motion system	BCWS	0	1,647	1,572	1,572	1,721	1,422	1,787	1,554	1,399	0	0
1.4.4.13 Finalize design of preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.14 Document shipping and handling system design for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.4 Build preproduction prototype pallet system - 2HFY07	BCWS	0	2,142	2,045	2,045	0	0	0	0	0	0	0
1.4.4.6 Test preproduction prototype pallet system - 2HFY07	BCWS	0	1,607	1,534	1,534	759	0	0	0	0	0	0
1.4.4.7 Finalize preproduction prototype pallet system design	BCWS	0	0	0	0	6,408	0	0	0	0	0	0
1.4.4.8 Document shipping and handling plan	BCWS	0	709	827	827	906	749	950	826	743	0	0
1.4.4.15 Document shipping and handling plan - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.16 Build and test preproduction motion system - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.17 Build caster jack motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.1 Adapt QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.2 Purchase new QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.1 Labor	BCWS	0	2,205	2,105	2,105	2,305	1,777	0	0	0	0	0
1.4.6.2.2.2 Travel	BCWS	0	3,056	2,917	2,917	3,195	2,464	0	0	0	0	0
1.4.6.3.1 Labor	BCWS	0	0	0	0	0	0	9,758	9,278	7,969	0	0
1.4.6.3.2 Travel	BCWS	0	0	0	0	0	0	2,412	2,293	1,969	0	0
1.5.10.2.8.1 Labor	BCWS	0	10,552	10,072	10,072	11,032	8,506	0	0	0	0	0
1.5.10.2.8.2 Travel	BCWS	0	3,752	3,581	3,581	3,922	3,024	0	0	0	0	0
1.5.10.3.1 Labor	BCWS	0	0	0	0	0	0	12,307	11,702	10,050	10,566	10,566
1.5.10.3.2 Travel	BCWS	0	0	0	0	0	0	1,811	1,722	1,479	0	0
1.5.2.1.1.10.1 Manufacture snout	BCWS	0	9,828	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.2 Manufacture manifold covers	BCWS	0	11,449	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.3 Manufacture fill tubes	BCWS	0	439	1,588	0	0	0	0	0	0	0	0
1.5.2.1.1.10.4 Manufacture side and center seals	BCWS	0	4,582	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.5 Fiber raceways	BCWS	0	3,600	1,260	0	0	0	0	0	0	0	0
1.5.2.1.1.10.6 Fiber cover	BCWS	0	776	1,252	0	0	0	0	0	0	0	0
1.5.2.1.1.11 Test integration prototype manifolds	BCWS	0	0	1,227	2,375	0	0	0	0	0	0	0
1.5.2.1.1.12 Review design	BCWS	0	0	0	2,569	0	0	0	0	0	0	0
1.5.2.1.1.13 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	591	1,360	1,123	1,425	1,239	1,115	0	0
1.5.2.1.1.9 Finalize integration prototype design - 2	BCWS	0	2,061	0	0	0	0	0	0	0	0	0
1.5.2.1.1.15 Finalize design of preproduction prototype (for IPND) - P	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.4.2.3.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.7 Final Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.10 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.7 Adjust die - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.8 Finalize resin compound for horizontal extrusion prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.12 Fabricate remaining extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.11 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.6 Modify die for vertical inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.7 Fabricate test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.8 Adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.9 Finalize resin compound for vertical extrusion prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.3 Fabricate additional horizontal test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.3 Fabricate additional vertical test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.10 Design preproduction motion system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.12 Build and test preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.13 Finalize design of preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.14 Document shipping and handling system design for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.4 Build preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.6 Test preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.7 Finalize preproduction prototype pallet system design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.8 Document shipping and handling plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.15 Document shipping and handling plan - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.16 Build and test preproduction motion system - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.17 Build caster jack motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.1 Adapt QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.2 Purchase new QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.1 Labor	BCWS	10,566	11,069	10,566	10,566	11,069	10,566	10,063	0	0	0	0
1.5.10.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.5 Fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.6 Fiber cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.11 Test integration prototype manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.12 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.13 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.9 Finalize integration prototype design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.15 Finalize design of preproduction prototype (for IPND) - P	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.4.2.3.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.3 Produce raw PVC resin	BCWS	12,052	6,026	0	0	0	0	0	0	0	0	0
1.4.2.6.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.3 Produce raw PVC resin	BCWS	0	0	10,847	7,231	0	0	0	0	0	0	0
1.4.2.7 Final Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.10 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.7 Adjust die - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.8 Finalize resin compound for horizontal extrusion prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.12 Fabricate remaining extrusions - Part 2	BCWS	17,741	4,435	0	0	0	0	0	0	0	0	0
1.4.3.5.11 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.6 Modify die for vertical inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.7 Fabricate test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.8 Adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.9 Finalize resin compound for vertical extrusion prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.1 Swap die inserts	BCWS	2,410	0	0	0	0	0	0	0	0	0	0
1.4.3.6.2 Fabricate test extrusions to adjust die	BCWS	0	7,184	9,297	423	0	0	0	0	0	0	0
1.4.3.6.3 Fabricate additional horizontal test extrusions	BCWS	0	0	0	16,904	0	0	0	0	0	0	0
1.4.3.7.1 Swap die inserts	BCWS	0	0	0	2,410	0	0	0	0	0	0	0
1.4.3.7.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	1,690	9,401	5,983	0	0	0	0	0
1.4.3.7.3 Fabricate additional vertical test extrusions	BCWS	0	0	0	0	0	17,093	0	0	0	0	0
1.4.4.10 Design preproduction motion system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.12 Build and test preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.13 Finalize design of preproduction motion system	BCWS	0	1,373	5,492	0	0	0	0	0	0	0	0
1.4.4.14 Document shipping and handling system design for production	BCWS	0	5,886	3,924	0	0	0	0	0	0	0	0
1.4.4.4 Build preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.6 Test preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.7 Finalize preproduction prototype pallet system design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.8 Document shipping and handling plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.15 Document shipping and handling plan - Part 2	BCWS	1,469	1,616	1,616	0	0	0	0	0	0	0	0
1.4.4.16 Build and test preproduction motion system - Part 2	BCWS	4,929	4,929	0	0	0	0	0	0	0	0	0
1.4.4.17 Build caster jack motion system	BCWS	0	5,954	10,916	2,977	0	0	0	0	0	0	0
1.4.5.1 Adapt QA hardware for preproduction	BCWS	8,480	9,329	9,329	6,784	0	0	0	0	0	0	0
1.4.5.2 Purchase new QA hardware for preproduction	BCWS	13,698	15,068	15,068	10,958	0	0	0	0	0	0	0
1.4.6.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.5 Fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.6 Fiber cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.11 Test integration prototype manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.12 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.13 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.9 Finalize integration prototype design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.15 Finalize design of preproduction prototype (for IPND) - P	BCWS	2,026	1,924	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.4.2.3.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.7 Final Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.10 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.7 Adjust die - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.8 Finalize resin compound for horizontal extrusion prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.12 Fabricate remaining extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.11 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.6 Modify die for vertical inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.7 Fabricate test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.8 Adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.9 Finalize resin compound for vertical extrusion prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.3 Fabricate additional horizontal test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.3 Fabricate additional vertical test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.10 Design preproduction motion system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.12 Build and test preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.13 Finalize design of preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.14 Document shipping and handling system design for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.4 Build preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.6 Test preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.7 Finalize preproduction prototype pallet system design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.8 Document shipping and handling plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.15 Document shipping and handling plan - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.16 Build and test preproduction motion system - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.17 Build caster jack motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.1 Adapt QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.2 Purchase new QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.5 Fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.6 Fiber cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.11 Test integration prototype manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.12 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.13 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.9 Finalize integration prototype design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.15 Finalize design of preproduction prototype (for IPND) - P	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.4.2.3.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.7 Final Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.10 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.7 Adjust die - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.8 Finalize resin compound for horizontal extrusion prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.12 Fabricate remaining extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.11 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.6 Modify die for vertical inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.7 Fabricate test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.8 Adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.9 Finalize resin compound for vertical extrusion prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.3 Fabricate additional horizontal test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.3 Fabricate additional vertical test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.10 Design preproduction motion system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.12 Build and test preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.13 Finalize design of preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.14 Document shipping and handling system design for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.4 Build preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.6 Test preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.7 Finalize preproduction prototype pallet system design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.8 Document shipping and handling plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.15 Document shipping and handling plan - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.16 Build and test preproduction motion system - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.17 Build caster jack motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.1 Adapt QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.2 Purchase new QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.5 Fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.6 Fiber cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.11 Test integration prototype manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.12 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.13 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.9 Finalize integration prototype design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.15 Finalize design of preproduction prototype (for IPND) - P	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.4.2.3.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.7 Final Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.10 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.7 Adjust die - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.8 Finalize resin compound for horizontal extrusion prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.12 Fabricate remaining extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.11 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.6 Modify die for vertical inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.7 Fabricate test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.8 Adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.9 Finalize resin compound for vertical extrusion prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.3 Fabricate additional horizontal test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.3 Fabricate additional vertical test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.10 Design preproduction motion system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.12 Build and test preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.13 Finalize design of preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.14 Document shipping and handling system design for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.4 Build preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.6 Test preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.7 Finalize preproduction prototype pallet system design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.8 Document shipping and handling plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.15 Document shipping and handling plan - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.16 Build and test preproduction motion system - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.17 Build caster jack motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.1 Adapt QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.2 Purchase new QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.5 Fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.6 Fiber cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.11 Test integration prototype manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.12 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.13 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.9 Finalize integration prototype design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.15 Finalize design of preproduction prototype (for IPND) - P	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.4.2.3.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.7 Final Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.10 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.7 Adjust die - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.8 Finalize resin compound for horizontal extrusion prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.12 Fabricate remaining extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.11 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.6 Modify die for vertical inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.7 Fabricate test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.8 Adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.9 Finalize resin compound for vertical extrusion prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.3 Fabricate additional horizontal test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.3 Fabricate additional vertical test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.10 Design preproduction motion system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.12 Build and test preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.13 Finalize design of preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.14 Document shipping and handling system design for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.4 Build preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.6 Test preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.7 Finalize preproduction prototype pallet system design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.8 Document shipping and handling plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.15 Document shipping and handling plan - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.16 Build and test preproduction motion system - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.17 Build caster jack motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.1 Adapt QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.2 Purchase new QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.5 Fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.6 Fiber cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.11 Test integration prototype manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.12 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.13 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.9 Finalize integration prototype design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.15 Finalize design of preproduction prototype (for IPND) - P	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.4.2.3.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.4.2.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.5.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.6.3 Produce raw PVC resin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.2.7 Final Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.10 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.7 Adjust die - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.8 Finalize resin compound for horizontal extrusion prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.4.5.12 Fabricate remaining extrusions - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.11 Fabricate remaining extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.6 Modify die for vertical inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.7 Fabricate test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.8 Adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.5.9 Finalize resin compound for vertical extrusion prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.6.3 Fabricate additional horizontal test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.1 Swap die inserts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.2 Fabricate test extrusions to adjust die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.3.7.3 Fabricate additional vertical test extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.10 Design preproduction motion system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.12 Build and test preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.13 Finalize design of preproduction motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.14 Document shipping and handling system design for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.4 Build preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.6 Test preproduction prototype pallet system - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.7 Finalize preproduction prototype pallet system design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.8 Document shipping and handling plan	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.15 Document shipping and handling plan - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.16 Build and test preproduction motion system - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.4.17 Build caster jack motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.1 Adapt QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.5.2 Purchase new QA hardware for preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.4.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.2.8.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.10.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.5 Fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.10.6 Fiber cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.11 Test integration prototype manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.12 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.13 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.9 Finalize integration prototype design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.1.1.15 Finalize design of preproduction prototype (for IPND) - P	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.4.2.3.2.3 Produce raw PVC resin	BCWS	0	0	148,053
1.4.2.4.2.1 Prepare purchase order	BCWS	0	0	0
1.4.2.4.2.3 Produce raw PVC resin	BCWS	0	0	144,551
1.4.2.5.1 Prepare purchase order	BCWS	0	0	0
1.4.2.5.3 Produce raw PVC resin	BCWS	0	0	18,079
1.4.2.6.1 Prepare purchase order	BCWS	0	0	0
1.4.2.6.3 Produce raw PVC resin	BCWS	0	0	18,079
1.4.2.7 Final Documentation	BCWS	0	0	0
1.4.3.4.5.10 Fabricate remaining extrusions	BCWS	0	0	106,158
1.4.3.4.5.7 Adjust die - 2HFY07	BCWS	0	0	5,775
1.4.3.4.5.8 Finalize resin compound for horizontal extrusion prototype	BCWS	0	0	1,116
1.4.3.4.5.12 Fabricate remaining extrusions - Part 2	BCWS	0	0	22,176
1.4.3.5.11 Fabricate remaining extrusions	BCWS	0	0	131,929
1.4.3.5.6 Modify die for vertical inserts	BCWS	0	0	2,310
1.4.3.5.7 Fabricate test extrusions	BCWS	0	0	8,856
1.4.3.5.8 Adjust die	BCWS	0	0	11,563
1.4.3.5.9 Finalize resin compound for vertical extrusion prototypes	BCWS	0	0	1,169
1.4.3.6.1 Swap die inserts	BCWS	0	0	2,410
1.4.3.6.2 Fabricate test extrusions to adjust die	BCWS	0	0	16,904
1.4.3.6.3 Fabricate additional horizontal test extrusions	BCWS	0	0	16,904
1.4.3.7.1 Swap die inserts	BCWS	0	0	2,410
1.4.3.7.2 Fabricate test extrusions to adjust die	BCWS	0	0	17,074
1.4.3.7.3 Fabricate additional vertical test extrusions	BCWS	0	0	17,093
1.4.4.10 Design preproduction motion system - 2HFY07	BCWS	0	0	8,212
1.4.4.12 Build and test preproduction motion system	BCWS	0	0	12,674
1.4.4.13 Finalize design of preproduction motion system	BCWS	0	0	6,865
1.4.4.14 Document shipping and handling system design for production	BCWS	0	0	9,811
1.4.4.4 Build preproduction prototype pallet system - 2HFY07	BCWS	0	0	6,233
1.4.4.6 Test preproduction prototype pallet system - 2HFY07	BCWS	0	0	5,434
1.4.4.7 Finalize preproduction prototype pallet system design	BCWS	0	0	6,408
1.4.4.8 Document shipping and handling plan	BCWS	0	0	6,538
1.4.4.15 Document shipping and handling plan - Part 2	BCWS	0	0	4,702
1.4.4.16 Build and test preproduction motion system - Part 2	BCWS	0	0	9,858
1.4.4.17 Build caster jack motion system	BCWS	0	0	19,847
1.4.5.1 Adapt QA hardware for preproduction	BCWS	0	0	33,922
1.4.5.2 Purchase new QA hardware for preproduction	BCWS	0	0	54,792
1.4.6.2.2.1 Labor	BCWS	0	0	10,496
1.4.6.2.2.2 Travel	BCWS	0	0	14,550
1.4.6.3.1 Labor	BCWS	0	0	27,006
1.4.6.3.2 Travel	BCWS	0	0	6,674
1.5.10.2.8.1 Labor	BCWS	0	0	50,234
1.5.10.2.8.2 Travel	BCWS	0	0	17,860
1.5.10.3.1 Labor	BCWS	0	0	129,657
1.5.10.3.2 Travel	BCWS	0	0	5,013
1.5.2.1.1.10.1 Manufacture snout	BCWS	0	0	9,828
1.5.2.1.1.10.2 Manufacture manifold covers	BCWS	0	0	11,449
1.5.2.1.1.10.3 Manufacture fill tubes	BCWS	0	0	2,028
1.5.2.1.1.10.4 Manufacture side and center seals	BCWS	0	0	4,582
1.5.2.1.1.10.5 Fiber raceways	BCWS	0	0	4,860
1.5.2.1.1.10.6 Fiber cover	BCWS	0	0	2,028
1.5.2.1.1.11 Test integration prototype manifolds	BCWS	0	0	3,602
1.5.2.1.1.12 Review design	BCWS	0	0	2,569
1.5.2.1.1.13 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	6,852
1.5.2.1.1.9 Finalize integration prototype design - 2	BCWS	0	0	2,061
1.5.2.1.1.15 Finalize design of preproduction prototype (for IPND) - P	BCWS	0	0	3,950

Program:	Description:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.5.2.2.11 Review design	BCWS	0	2,055	0	0	0	0	0	0	0	0	0
1.5.2.2.12 Finalize design of preproduction prototype (for IPND)	BCWS	0	1,500	1,849	1,789	0	0	0	0	0	0	0
1.5.2.3.6 Mechanical lifetime tests of joining systems	BCWS	0	2,207	2,107	2,107	2,307	1,906	2,418	2,103	1,893	0	0
1.5.2.3.7 Chemical lifetime tests of joining systems	BCWS	0	1,139	1,087	1,087	1,190	983	1,248	1,085	976	0	0
1.5.2.3.8 Document lifetime tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.10 Chemical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.9 Mechanical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.7 Design integration prototype	BCWS	0	18,670	0	0	0	0	0	0	0	0	0
1.5.3.8 Review design	BCWS	0	1,028	0	0	0	0	0	0	0	0	0
1.5.3.9 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	5,138	0	0	0	0	0	0
1.5.4.2.11 Develop end seal and manifold gluing machine	BCWS	0	19,500	18,614	6,605	0	0	0	0	0	0	0
1.5.4.2.6 Develop pre-production prototype extrusion fiber-stringing m	BCWS	0	6,280	5,995	5,995	6,566	5,424	3,908	0	0	0	0
1.5.4.2.13 Additional end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.3 Fabricate FHEP modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.4 Fabricate FHEP modules for grouting test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.1 Develop methods for extrusion quality checkout	BCWS	0	438	418	418	457	378	472	410	369	0	0
1.5.5.3 Develop methods for pressure testing - 2	BCWS	0	3,353	3,201	3,201	3,506	2,896	3,619	3,147	2,832	0	0
1.5.5.6 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	931	888	888	973	804	1,002	871	784	0	0
1.5.5.8 Develop methods for assuring fiber-face tolerance	BCWS	0	213	203	203	223	184	230	200	180	0	0
1.5.5.9 Develop QA tracking system procedures, software and training	BCWS	0	2,213	2,112	2,112	2,313	1,911	2,410	2,096	1,886	0	0
1.5.5.10 Develop methods for extrusion quality checkout - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.11 Develop methods for pressure testing - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.12 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.13 Develop methods for assuring fiber-face tolerance - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.14 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.15 Procure and setup additional leak-checking hardware for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.16 Develop methods for pressure testing - 2 - Part 2 - Continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.17 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.18 Create full-length functional test modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.6 Module Shipping and Storage R&D	BCWS	0	0	0	0	55	45	57	50	45	0	0
1.5.7.1.3 Install and setup additional infrastructure and factory mach	BCWS	0	239	2,507	2,507	1,459	1,164	973	894	786	0	0
1.5.7.1.4 Develop initial versions of machine operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.5 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.6 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.5 Manufacture fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.6 Manufacture fiber covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.7 Manufacture fill tube manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.8 Manufacture snouts - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.2 Assemble and test IPND manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.1 Manufacture IPND end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.2 Manufacture side and center seals	BCWS	0	0	0	0	3,660	4,091	5,069	4,408	3,967	0	0
1.5.7.3.3.3 Manufacture fiber retaining rings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.4 Manufacture side and center seals - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.5 Manufacture side and center seals - Part 2 - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.4 Assemble and test preproduction prototype (IPND) end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.5 Manufacture preproduction prototype (IPND) optical connector	BCWS	0	0	0	0	2,985	11,345	14,050	12,217	10,995	12,217	0
1.5.7.3.6 Produce IPND modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.1 Document preproduction (IPND) prototype manifold	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.2 Review manifold design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.3 Document preproduction (IPND) prototype bottom plate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.4 Review bottom plate design	BCWS	0	0	0	0	0	0	0	0	0	0	0

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Run Date:	Status Date:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.5.2.2.11 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.2.12 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.6 Mechanical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.7 Chemical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.8 Document lifetime tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.10 Chemical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.9 Mechanical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.7 Design integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.8 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.9 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.11 Develop end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.6 Develop pre-production prototype extrusion fiber-stringing m	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.13 Additional end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.3 Fabricate FHEP modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.4 Fabricate FHEP modules for grouting test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.1 Develop methods for extrusion quality checkout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.3 Develop methods for pressure testing - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.6 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.8 Develop methods for assuring fiber-face tolerance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.9 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.10 Develop methods for extrusion quality checkout - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.11 Develop methods for pressure testing - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.12 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.13 Develop methods for assuring fiber-face tolerance - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.14 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.15 Procure and setup additional leak-checking hardware for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.16 Develop methods for pressure testing - 2 - Part 2 - Continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.17 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	2,353
1.5.5.18 Create full-length functional test modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.6 Module Shipping and Storage R&D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.3 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.4 Develop initial versions of machine operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.5 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.6 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.5 Manufacture fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.6 Manufacture fiber covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.7 Manufacture fill tube manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.8 Manufacture snouts - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.2 Assemble and test IPND manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.1 Manufacture IPND end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.2 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.3 Manufacture fiber retaining rings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.4 Manufacture side and center seals - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.5 Manufacture side and center seals - Part 2 - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.4 Assemble and test preproduction prototype (IPND) end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.5 Manufacture preproduction prototype (IPND) optical connector	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.6 Produce IPND modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.1 Document preproduction (IPND) prototype manifold	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.2 Review manifold design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.3 Document preproduction (IPND) prototype bottom plate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.4 Review bottom plate design	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.5.2.2.11 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.2.12 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.6 Mechanical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.7 Chemical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.8 Document lifetime tests	BCWS	0	0	0	0	0	0	0	0	309	2,779	0
1.5.2.3.10 Chemical lifetime tests of joining systems - Part 2	BCWS	1,846	2,031	2,031	1,846	2,081	2,081	1,987	1,987	2,082	0	0
1.5.2.3.9 Mechanical lifetime tests of joining systems - Part 2	BCWS	3,578	3,936	3,936	3,578	4,131	4,131	3,943	3,943	4,132	0	0
1.5.3.7 Design integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.8 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.9 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.11 Develop end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.6 Develop pre-production prototype extrusion fiber-stringing m	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.13 Additional end seal and manifold gluing machine	BCWS	11,731	25,808	9,385	0	0	0	0	0	0	0	0
1.5.4.3 Fabricate FHEP modules	BCWS	0	0	0	0	0	30,826	29,425	29,425	31,971	0	0
1.5.4.4 Fabricate FHEP modules for grouting test	BCWS	0	0	0	0	0	0	0	26,473	0	0	0
1.5.5.1 Develop methods for extrusion quality checkout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.3 Develop methods for pressure testing - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.6 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.8 Develop methods for assuring fiber-face tolerance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.9 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.10 Develop methods for extrusion quality checkout - Part 2	BCWS	780	858	858	390	0	0	0	0	0	0	0
1.5.5.11 Develop methods for pressure testing - 2 - Part 2	BCWS	19,627	20,608	0	0	0	0	0	0	0	0	0
1.5.5.12 Develop methods for verifying fiber mapping and fiber contin	BCWS	3,368	3,704	0	0	0	0	0	0	0	0	0
1.5.5.13 Develop methods for assuring fiber-face tolerance - Part 2	BCWS	530	583	583	530	371	0	0	0	0	0	0
1.5.5.14 Develop QA tracking system procedures, software and training	BCWS	1,122	1,234	1,234	1,122	1,234	1,234	1,178	1,178	292	0	0
1.5.5.15 Procure and setup additional leak-checking hardware for IPND	BCWS	15,847	15,847	0	0	0	0	0	0	0	0	0
1.5.5.16 Develop methods for pressure testing - 2 - Part 2 - Continue	BCWS	5,241	10,482	3,335	0	0	0	0	0	0	0	0
1.5.5.17 Develop QA tracking system procedures, software and training	BCWS	2,353	2,588	2,588	588	0	0	0	0	0	0	0
1.5.5.18 Create full-length functional test modules	BCWS	0	0	0	0	0	0	0	0	0	6,961	0
1.5.6 Module Shipping and Storage R&D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.3 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.4 Develop initial versions of machine operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.5 Install and setup additional infrastructure and factory mach	BCWS	2,348	2,582	2,582	2,348	239	0	0	0	0	0	0
1.5.7.1.6 Install and setup additional infrastructure and factory mach	BCWS	9,030	19,866	19,866	5,418	0	0	0	0	0	0	0
1.5.7.3.1.1 Manufacture snout	BCWS	13,926	15,319	15,319	696	0	0	0	0	0	0	0
1.5.7.3.1.2 Manufacture manifold covers	BCWS	14,218	15,639	15,639	14,218	15,696	2,854	0	0	0	0	0
1.5.7.3.1.3 Manufacture fill tubes	BCWS	16,440	8,220	0	0	0	0	0	0	0	0	0
1.5.7.3.1.4 Manufacture side and center seals	BCWS	29,330	32,263	32,263	8,799	0	0	0	0	0	0	0
1.5.7.3.1.5 Manufacture fiber raceways	BCWS	39,926	43,919	43,919	31,941	0	0	0	0	0	0	0
1.5.7.3.1.6 Manufacture fiber covers	BCWS	23,534	25,887	9,413	0	0	0	0	0	0	0	0
1.5.7.3.1.7 Manufacture fill tube manifolds	BCWS	5,131	5,644	2,052	0	0	0	0	0	0	0	0
1.5.7.3.1.8 Manufacture snouts - additional	BCWS	0	0	0	0	0	0	0	26,025	44,966	20,439	0
1.5.7.3.2 Assemble and test IPND manifolds	BCWS	0	0	0	0	0	5,571	0	0	0	0	0
1.5.7.3.3.1 Manufacture IPND end plates	BCWS	6,504	7,154	7,154	6,504	330	0	0	0	0	0	0
1.5.7.3.3.2 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.3 Manufacture fiber retaining rings	BCWS	12,221	12,221	0	0	0	0	0	0	0	0	0
1.5.7.3.3.4 Manufacture side and center seals - Part 2	BCWS	46,080	2,304	0	0	0	0	0	0	0	0	0
1.5.7.3.3.5 Manufacture side and center seals - Part 2 - additional	BCWS	0	0	0	0	0	0	0	6,029	10,417	4,735	0
1.5.7.3.4 Assemble and test preproduction prototype (IPND) end plates	BCWS	0	0	0	0	5,571	0	0	0	0	0	0
1.5.7.3.5 Manufacture preproduction prototype (IPND) optical connector	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.6 Produce IPND modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.1 Document preproduction (IPND) prototype manifold	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.2 Review manifold design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.3 Document preproduction (IPND) prototype bottom plate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.4 Review bottom plate design	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.5.2.2.11 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.2.12 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.6 Mechanical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.7 Chemical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.8 Document lifetime tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.10 Chemical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.9 Mechanical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.7 Design integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.8 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.9 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.11 Develop end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.6 Develop pre-production prototype extrusion fiber-stringing m	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.13 Additional end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.3 Fabricate FHEP modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.4 Fabricate FHEP modules for grouting test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.1 Develop methods for extrusion quality checkout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.3 Develop methods for pressure testing - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.6 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.8 Develop methods for assuring fiber-face tolerance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.9 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.10 Develop methods for extrusion quality checkout - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.11 Develop methods for pressure testing - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.12 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.13 Develop methods for assuring fiber-face tolerance - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.14 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.15 Procure and setup additional leak-checking hardware for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.16 Develop methods for pressure testing - 2 - Part 2 - Continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.17 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.18 Create full-length functional test modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.6 Module Shipping and Storage R&D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.3 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.4 Develop initial versions of machine operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.5 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.6 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.5 Manufacture fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.6 Manufacture fiber covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.7 Manufacture fill tube manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.8 Manufacture snouts - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.2 Assemble and test IPND manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.1 Manufacture IPND end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.2 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.3 Manufacture fiber retaining rings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.4 Manufacture side and center seals - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.5 Manufacture side and center seals - Part 2 - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.4 Assemble and test preproduction prototype (IPND) end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.5 Manufacture preproduction prototype (IPND) optical connector	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.6 Produce IPND modules	BCWS	121,118	173,026	198,980	25,954	0	0	0	0	0	0	0
1.5.8.1 Document preproduction (IPND) prototype manifold	BCWS	10,667	1,185	0	0	0	0	0	0	0	0	0
1.5.8.2 Review manifold design	BCWS	0	0	741	6,665	0	0	0	0	0	0	0
1.5.8.3 Document preproduction (IPND) prototype bottom plate	BCWS	0	2,608	2,608	0	0	0	0	0	0	0	0
1.5.8.4 Review bottom plate design	BCWS	0	0	741	6,665	0	0	0	0	0	0	0

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Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.5.2.2.11 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.2.12 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.6 Mechanical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.7 Chemical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.8 Document lifetime tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.10 Chemical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.9 Mechanical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.7 Design integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.8 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.9 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.11 Develop end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.6 Develop pre-production prototype extrusion fiber-stringing m	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.13 Additional end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.3 Fabricate FHEP modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.4 Fabricate FHEP modules for grouting test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.1 Develop methods for extrusion quality checkout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.3 Develop methods for pressure testing - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.6 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.8 Develop methods for assuring fiber-face tolerance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.9 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.10 Develop methods for extrusion quality checkout - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.11 Develop methods for pressure testing - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.12 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.13 Develop methods for assuring fiber-face tolerance - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.14 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.15 Procure and setup additional leak-checking hardware for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.16 Develop methods for pressure testing - 2 - Part 2 - Continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.17 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.18 Create full-length functional test modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.6 Module Shipping and Storage R&D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.3 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.4 Develop initial versions of machine operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.5 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.6 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.5 Manufacture fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.6 Manufacture fiber covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.7 Manufacture fill tube manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.8 Manufacture snouts - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.2 Assemble and test IPND manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.1 Manufacture IPND end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.2 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.3 Manufacture fiber retaining rings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.4 Manufacture side and center seals - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.5 Manufacture side and center seals - Part 2 - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.4 Assemble and test preproduction prototype (IPND) end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.5 Manufacture preproduction prototype (IPND) optical connector	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.6 Produce IPND modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.1 Document preproduction (IPND) prototype manifold	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.2 Review manifold design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.3 Document preproduction (IPND) prototype bottom plate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.4 Review bottom plate design	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.5.2.2.11 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.2.12 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.6 Mechanical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.7 Chemical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.8 Document lifetime tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.10 Chemical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.9 Mechanical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.7 Design integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.8 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.9 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.11 Develop end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.6 Develop pre-production prototype extrusion fiber-stringing m	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.13 Additional end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.3 Fabricate FHEP modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.4 Fabricate FHEP modules for grouting test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.1 Develop methods for extrusion quality checkout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.3 Develop methods for pressure testing - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.6 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.8 Develop methods for assuring fiber-face tolerance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.9 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.10 Develop methods for extrusion quality checkout - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.11 Develop methods for pressure testing - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.12 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.13 Develop methods for assuring fiber-face tolerance - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.14 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.15 Procure and setup additional leak-checking hardware for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.16 Develop methods for pressure testing - 2 - Part 2 - Continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.17 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.18 Create full-length functional test modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.6 Module Shipping and Storage R&D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.3 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.4 Develop initial versions of machine operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.5 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.6 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.5 Manufacture fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.6 Manufacture fiber covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.7 Manufacture fill tube manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.8 Manufacture snouts - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.2 Assemble and test IPND manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.1 Manufacture IPND end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.2 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.3 Manufacture fiber retaining rings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.4 Manufacture side and center seals - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.5 Manufacture side and center seals - Part 2 - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.4 Assemble and test preproduction prototype (IPND) end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.5 Manufacture preproduction prototype (IPND) optical connector	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.6 Produce IPND modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.1 Document preproduction (IPND) prototype manifold	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.2 Review manifold design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.3 Document preproduction (IPND) prototype bottom plate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.4 Review bottom plate design	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.5.2.2.11 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.2.12 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.6 Mechanical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.7 Chemical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.8 Document lifetime tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.10 Chemical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.9 Mechanical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.7 Design integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.8 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.9 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.11 Develop end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.6 Develop pre-production prototype extrusion fiber-stringing m	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.13 Additional end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.3 Fabricate FHEP modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.4 Fabricate FHEP modules for grouting test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.1 Develop methods for extrusion quality checkout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.3 Develop methods for pressure testing - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.6 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.8 Develop methods for assuring fiber-face tolerance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.9 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.10 Develop methods for extrusion quality checkout - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.11 Develop methods for pressure testing - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.12 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.13 Develop methods for assuring fiber-face tolerance - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.14 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.15 Procure and setup additional leak-checking hardware for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.16 Develop methods for pressure testing - 2 - Part 2 - Continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.17 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.18 Create full-length functional test modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.6 Module Shipping and Storage R&D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.3 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.4 Develop initial versions of machine operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.5 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.6 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.5 Manufacture fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.6 Manufacture fiber covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.7 Manufacture fill tube manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.8 Manufacture snouts - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.2 Assemble and test IPND manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.1 Manufacture IPND end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.2 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.3 Manufacture fiber retaining rings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.4 Manufacture side and center seals - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.5 Manufacture side and center seals - Part 2 - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.4 Assemble and test preproduction prototype (IPND) end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.5 Manufacture preproduction prototype (IPND) optical connector	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.6 Produce IPND modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.1 Document preproduction (IPND) prototype manifold	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.2 Review manifold design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.3 Document preproduction (IPND) prototype bottom plate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.4 Review bottom plate design	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.5.2.2.11 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.2.12 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.6 Mechanical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.7 Chemical lifetime tests of joining systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.8 Document lifetime tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.10 Chemical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.2.3.9 Mechanical lifetime tests of joining systems - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.7 Design integration prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.8 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.3.9 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.11 Develop end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.6 Develop pre-production prototype extrusion fiber-stringing m	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.2.13 Additional end seal and manifold gluing machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.3 Fabricate FHEP modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.4.4 Fabricate FHEP modules for grouting test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.1 Develop methods for extrusion quality checkout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.3 Develop methods for pressure testing - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.6 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.8 Develop methods for assuring fiber-face tolerance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.9 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.10 Develop methods for extrusion quality checkout - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.11 Develop methods for pressure testing - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.12 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.13 Develop methods for assuring fiber-face tolerance - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.14 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.15 Procure and setup additional leak-checking hardware for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.16 Develop methods for pressure testing - 2 - Part 2 - Continue	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.17 Develop QA tracking system procedures, software and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.5.18 Create full-length functional test modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.6 Module Shipping and Storage R&D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.3 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.4 Develop initial versions of machine operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.5 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.1.6 Install and setup additional infrastructure and factory mach	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.1 Manufacture snout	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.2 Manufacture manifold covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.3 Manufacture fill tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.4 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.5 Manufacture fiber raceways	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.6 Manufacture fiber covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.7 Manufacture fill tube manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.1.8 Manufacture snouts - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.2 Assemble and test IPND manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.1 Manufacture IPND end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.2 Manufacture side and center seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.3 Manufacture fiber retaining rings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.4 Manufacture side and center seals - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.3.5 Manufacture side and center seals - Part 2 - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.4 Assemble and test preproduction prototype (IPND) end plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.5 Manufacture preproduction prototype (IPND) optical connector	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.7.3.6 Produce IPND modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.1 Document preproduction (IPND) prototype manifold	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.2 Review manifold design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.3 Document preproduction (IPND) prototype bottom plate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.8.4 Review bottom plate design	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.5.2.2.11 Review design	BCWS	0	0	2,055
1.5.2.2.12 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	5,138
1.5.2.3.6 Mechanical lifetime tests of joining systems	BCWS	0	0	17,048
1.5.2.3.7 Chemical lifetime tests of joining systems	BCWS	0	0	8,795
1.5.2.3.8 Document lifetime tests	BCWS	0	0	3,088
1.5.2.3.10 Chemical lifetime tests of joining systems - Part 2	BCWS	0	0	17,971
1.5.2.3.9 Mechanical lifetime tests of joining systems - Part 2	BCWS	0	0	35,311
1.5.3.7 Design integration prototype	BCWS	0	0	18,670
1.5.3.8 Review design	BCWS	0	0	1,028
1.5.3.9 Finalize design of preproduction prototype (for IPND)	BCWS	0	0	5,138
1.5.4.2.11 Develop end seal and manifold gluing machine	BCWS	0	0	44,719
1.5.4.2.6 Develop pre-production prototype extrusion fiber-stringing m	BCWS	0	0	34,167
1.5.4.2.13 Additional end seal and manifold gluing machine	BCWS	0	0	46,923
1.5.4.3 Fabricate FHEP modules	BCWS	0	0	121,646
1.5.4.4 Fabricate FHEP modules for grouting test	BCWS	0	0	26,473
1.5.5.1 Develop methods for extrusion quality checkout	BCWS	0	0	3,359
1.5.5.3 Develop methods for pressure testing - 2	BCWS	0	0	25,756
1.5.5.6 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	7,140
1.5.5.8 Develop methods for assuring fiber-face tolerance	BCWS	0	0	1,636
1.5.5.9 Develop QA tracking system procedures, software and training	BCWS	0	0	17,055
1.5.5.10 Develop methods for extrusion quality checkout - Part 2	BCWS	0	0	2,886
1.5.5.11 Develop methods for pressure testing - 2 - Part 2	BCWS	0	0	40,234
1.5.5.12 Develop methods for verifying fiber mapping and fiber contin	BCWS	0	0	7,072
1.5.5.13 Develop methods for assuring fiber-face tolerance - Part 2	BCWS	0	0	2,596
1.5.5.14 Develop QA tracking system procedures, software and training	BCWS	0	0	9,829
1.5.5.15 Procure and setup additional leak-checking hardware for IPND	BCWS	0	0	31,694
1.5.5.16 Develop methods for pressure testing - 2 - Part 2 - Continue	BCWS	0	0	19,059
1.5.5.17 Develop QA tracking system procedures, software and training	BCWS	0	0	10,470
1.5.5.18 Create full-length functional test modules	BCWS	0	0	6,961
1.5.6 Module Shipping and Storage R&D	BCWS	0	0	252
1.5.7.1.3 Install and setup additional infrastructure and factory mach	BCWS	0	0	10,529
1.5.7.1.4 Develop initial versions of machine operating procedures	BCWS	0	0	0
1.5.7.1.5 Install and setup additional infrastructure and factory mach	BCWS	0	0	10,099
1.5.7.1.6 Install and setup additional infrastructure and factory mach	BCWS	0	0	54,179
1.5.7.3.1.1 Manufacture snout	BCWS	0	0	45,261
1.5.7.3.1.2 Manufacture manifold covers	BCWS	0	0	78,263
1.5.7.3.1.3 Manufacture fill tubes	BCWS	0	0	24,660
1.5.7.3.1.4 Manufacture side and center seals	BCWS	0	0	102,656
1.5.7.3.1.5 Manufacture fiber raceways	BCWS	0	0	159,705
1.5.7.3.1.6 Manufacture fiber covers	BCWS	0	0	58,834
1.5.7.3.1.7 Manufacture fill tube manifolds	BCWS	0	0	12,827
1.5.7.3.1.8 Manufacture snouts - additional	BCWS	0	0	91,430
1.5.7.3.2 Assemble and test IPND manifolds	BCWS	0	0	5,571
1.5.7.3.3.1 Manufacture IPND end plates	BCWS	0	0	27,646
1.5.7.3.3.2 Manufacture side and center seals	BCWS	0	0	21,194
1.5.7.3.3.3 Manufacture fiber retaining rings	BCWS	0	0	24,443
1.5.7.3.3.4 Manufacture side and center seals - Part 2	BCWS	0	0	48,384
1.5.7.3.3.5 Manufacture side and center seals - Part 2 - additional	BCWS	0	0	21,181
1.5.7.3.4 Assemble and test preproduction prototype (IPND) end plates	BCWS	0	0	5,571
1.5.7.3.5 Manufacture preproduction prototype (IPND) optical connector	BCWS	0	0	63,810
1.5.7.3.6 Produce IPND modules	BCWS	0	0	519,078
1.5.8.1 Document preproduction (IPND) prototype manifold	BCWS	0	0	11,853
1.5.8.2 Review manifold design	BCWS	0	0	7,405
1.5.8.3 Document preproduction (IPND) prototype bottom plate	BCWS	0	0	5,217
1.5.8.4 Review bottom plate design	BCWS	0	0	7,405

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.5.9.1 Document assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.2 Review assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.3 Document factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.4 Review factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.11 Module Shipping and Storage R&D - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.3 Fabricate second housing	BCWS	0	15,000	0	0	0	0	0	0	0	0	0
1.6.1.1.3.4 Assemble housing	BCWS	0	270	1,079	0	0	0	0	0	0	0	0
1.6.1.1.3.5 Assemble prototype	BCWS	0	0	1,056	0	0	0	0	0	0	0	0
1.6.1.1.3.6 Test second prototype	BCWS	0	0	849	1,868	0	0	0	0	0	0	0
1.6.1.1.3.8 APD module value engineering - prototype 2	BCWS	0	0	0	101	580	479	608	528	476	0	0
1.6.1.1.3.9 APD module value engineering - prototype 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.3 Design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.4 Manufacture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.5 Program	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.6 Qualify	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.7 Document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.1 Design APD QE test procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.2 Test prototype APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.3 Document QE test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.1 Design WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.2 Build WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.3 Operate WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.4 Document WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.1 Model water flow	BCWS	0	3,278	0	0	0	0	0	0	0	0	0
1.6.1.3.2 Design test for model	BCWS	0	1,463	722	0	0	0	0	0	0	0	0
1.6.1.3.3 Procure manifolds	BCWS	0	0	2,101	2,521	89	0	0	0	0	0	0
1.6.1.3.4 Procure other components	BCWS	0	0	127	148	162	134	166	144	130	0	0
1.6.1.3.5 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.6 Water cooling value engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.4.1 Develop preliminary design	BCWS	0	1,209	1,000	0	0	0	0	0	0	0	0
1.6.1.5.2 Design electronics box - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.3 Prototype electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.4 Qualify electronics box for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.2 APD engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.1 Design housing manufacturing and test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.2 Prototype mold (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.3 Pilot fabrication run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.4 Manufacture housing parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.5 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.6 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.8 Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.10 Receive 20 APDs for evaluation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.11 Test and evaluate 20 APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.1 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.3 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.3 IPND electronics installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.1 Perform thermal tests with sheetmetal part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.1 Design air-cooled heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.2 Machine heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.3 Modify design for machining	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.3 Purchase test TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.4 Produce rapid proto snouts	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.5.9.1 Document assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.2 Review assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.3 Document factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.4 Review factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.11 Module Shipping and Storage R&D - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.3 Fabricate second housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.4 Assemble housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.5 Assemble prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.6 Test second prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.8 APD module value engineering - prototype 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.9 APD module value engineering - prototype 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.3 Design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.4 Manufacture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.5 Program	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.6 Qualify	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.7 Document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.1 Design APD QE test procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.2 Test prototype APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.3 Document QE test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.1 Design WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.2 Build WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.3 Operate WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.4 Document WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.1 Model water flow	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.2 Design test for model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.3 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.4 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.5 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.6 Water cooling value engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.4.1 Develop preliminary design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.2 Design electronics box - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.3 Prototype electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.4 Qualify electronics box for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.2 APD engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.1 Design housing manufacturing and test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.2 Prototype mold (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.3 Pilot fabrication run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.4 Manufacture housing parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.5 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.6 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.8 Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.10 Receive 20 APDs for evaluation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.11 Test and evaluate 20 APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.1 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.3 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.3 IPND electronics installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.1 Perform thermal tests with sheetmetal part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.1 Design air-cooled heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.2 Machine heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.3 Modify design for machining	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.3 Purchase test TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.4 Produce rapid proto snouts	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.5.9.1 Document assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	994	426
1.5.9.2 Review assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.3 Document factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.4 Review factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.11 Module Shipping and Storage R&D - Part 2	BCWS	0	0	0	117	427	427	408	408	448	387	61
1.6.1.1.3.3 Fabricate second housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.4 Assemble housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.5 Assemble prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.6 Test second prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.8 APD module value engineering - prototype 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.9 APD module value engineering - prototype 2 - Part 2	BCWS	2,963	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.1 Design	BCWS	4,800	4,800	0	0	0	0	0	0	0	0	0
1.6.1.2.10.2 Build	BCWS	0	700	7,701	5,601	0	0	0	0	0	0	0
1.6.1.2.3 Design - 2	BCWS	4,080	0	0	0	0	0	0	0	0	0	0
1.6.1.2.4 Manufacture	BCWS	1,680	36,962	3,360	0	0	0	0	0	0	0	0
1.6.1.2.5 Program	BCWS	0	0	4,800	4,800	2,880	0	0	0	0	0	0
1.6.1.2.6 Qualify	BCWS	0	0	0	0	2,592	2,808	0	0	0	0	0
1.6.1.2.7 Document	BCWS	0	0	0	0	864	936	0	0	0	0	0
1.6.1.2.11.1 Design APD QE test procedure	BCWS	2,244	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.2 Test prototype APDs	BCWS	0	2,096	0	0	0	0	0	0	0	0	0
1.6.1.2.11.3 Document QE test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.1 Design WT test	BCWS	0	0	2,379	0	0	0	0	0	0	0	0
1.6.1.2.12.2 Build WT test	BCWS	0	0	900	3,598	0	0	0	0	0	0	0
1.6.1.2.12.3 Operate WT test	BCWS	0	0	0	457	838	838	800	800	878	758	798
1.6.1.2.12.4 Document WT test	BCWS	0	0	0	114	209	209	200	200	219	190	199
1.6.1.3.1 Model water flow	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.2 Design test for model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.3 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.4 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.5 Assemble and test hardware	BCWS	4,800	4,800	0	0	0	0	0	0	0	0	0
1.6.1.3.6 Water cooling value engineering	BCWS	0	5,204	5,204	1,419	0	0	0	0	0	0	0
1.6.1.4.1 Develop preliminary design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.2 Design electronics box - 2	BCWS	1,999	0	0	0	0	0	0	0	0	0	0
1.6.1.5.3 Prototype electronics box	BCWS	1,916	1,568	0	0	0	0	0	0	0	0	0
1.6.1.5.4 Qualify electronics box for production	BCWS	0	1,928	0	0	0	0	0	0	0	0	0
1.6.1.6.1.2 APD engineering run	BCWS	53,934	59,328	59,328	53,934	59,597	51,470	0	0	0	0	0
1.6.1.6.1.3.1 Design housing manufacturing and test stand	BCWS	23,990	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.2 Prototype mold (Obsolete)	BCWS	0	29,656	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.3 Pilot fabrication run	BCWS	0	566	5,090	0	0	0	0	0	0	0	0
1.6.1.6.1.4 Manufacture housing parts	BCWS	7,944	3,972	0	0	0	0	0	0	0	0	0
1.6.1.6.1.5 Assemble	BCWS	0	0	390	1,952	2,147	2,147	1,659	0	0	0	0
1.6.1.6.1.6 Test	BCWS	0	0	0	0	0	861	2,010	2,010	1,404	0	0
1.6.1.6.1.8 Review	BCWS	0	0	0	0	0	0	0	0	2,839	0	0
1.6.1.6.1.10 Receive 20 APDs for evaluation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.11 Test and evaluate 20 APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.1 Procure manifolds	BCWS	0	2,397	26,366	19,175	0	0	0	0	0	0	0
1.6.1.6.2.2 Procure other components	BCWS	0	913	10,040	7,302	0	0	0	0	0	0	0
1.6.1.6.2.3 Assemble and test hardware	BCWS	0	0	0	4,192	18,598	0	0	0	0	0	0
1.6.1.6.3 IPND electronics installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.1 Perform thermal tests with sheetmetal part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.1 Design air-cooled heat sink	BCWS	0	0	0	0	4,538	0	0	0	0	0	0
1.6.1.7.2.2 Machine heat sink	BCWS	0	0	0	0	470	4,231	0	0	0	0	0
1.6.1.7.2.3 Modify design for machining	BCWS	0	0	0	0	454	4,084	0	0	0	0	0
1.6.1.7.3 Purchase test TE coolers	BCWS	0	0	0	500	0	0	0	0	0	0	0
1.6.1.7.4 Produce rapid proto snouts	BCWS	0	0	0	454	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.5.9.1 Document assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.2 Review assembly process, procedures, and training	BCWS	0	0	546	2,185	0	0	0	0	0	0	0
1.5.9.3 Document factory machines and functioning	BCWS	0	0	142	2,697	0	0	0	0	0	0	0
1.5.9.4 Review factory machines and functioning	BCWS	2,731	0	0	0	0	0	0	0	0	0	0
1.5.11 Module Shipping and Storage R&D - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.3 Fabricate second housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.4 Assemble housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.5 Assemble prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.6 Test second prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.8 APD module value engineering - prototype 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.9 APD module value engineering - prototype 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.3 Design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.4 Manufacture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.5 Program	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.6 Qualify	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.7 Document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.1 Design APD QE test procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.2 Test prototype APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.3 Document QE test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.1 Design WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.2 Build WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.3 Operate WT test	BCWS	758	798	80	0	0	0	0	0	0	0	0
1.6.1.2.12.4 Document WT test	BCWS	190	199	20	0	0	0	0	0	0	0	0
1.6.1.3.1 Model water flow	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.2 Design test for model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.3 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.4 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.5 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.6 Water cooling value engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.4.1 Develop preliminary design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.2 Design electronics box - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.3 Prototype electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.4 Qualify electronics box for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.2 APD engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.1 Design housing manufacturing and test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.2 Prototype mold (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.3 Pilot fabrication run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.4 Manufacture housing parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.5 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.6 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.8 Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.10 Receive 20 APDs for evaluation	BCWS	0	0	27,911	0	0	0	0	0	0	0	0
1.6.1.6.1.11 Test and evaluate 20 APDs	BCWS	0	0	798	0	0	0	0	0	0	0	0
1.6.1.6.2.1 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.3 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.3 IPND electronics installation	BCWS	0	0	0	0	0	0	0	0	0	9,003	9,003
1.6.1.7.1 Perform thermal tests with sheetmetal part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.1 Design air-cooled heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.2 Machine heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.3 Modify design for machining	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.3 Purchase test TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.4 Produce rapid proto snouts	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.5.9.1 Document assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.2 Review assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.3 Document factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.4 Review factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.11 Module Shipping and Storage R&D - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.3 Fabricate second housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.4 Assemble housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.5 Assemble prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.6 Test second prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.8 APD module value engineering - prototype 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.9 APD module value engineering - prototype 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.3 Design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.4 Manufacture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.5 Program	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.6 Qualify	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.7 Document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.1 Design APD QE test procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.2 Test prototype APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.3 Document QE test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.1 Design WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.2 Build WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.3 Operate WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.4 Document WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.1 Model water flow	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.2 Design test for model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.3 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.4 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.5 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.6 Water cooling value engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.4.1 Develop preliminary design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.2 Design electronics box - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.3 Prototype electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.4 Qualify electronics box for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.2 APD engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.1 Design housing manufacturing and test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.2 Prototype mold (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.3 Pilot fabrication run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.4 Manufacture housing parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.5 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.6 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.8 Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.10 Receive 20 APDs for evaluation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.11 Test and evaluate 20 APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.1 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.3 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.3 IPND electronics installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.1 Perform thermal tests with sheetmetal part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.1 Design air-cooled heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.2 Machine heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.3 Modify design for machining	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.3 Purchase test TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.4 Produce rapid proto snouts	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.5.9.1 Document assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.2 Review assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.3 Document factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.4 Review factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.11 Module Shipping and Storage R&D - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.3 Fabricate second housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.4 Assemble housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.5 Assemble prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.6 Test second prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.8 APD module value engineering - prototype 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.9 APD module value engineering - prototype 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.3 Design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.4 Manufacture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.5 Program	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.6 Qualify	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.7 Document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.1 Design APD QE test procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.2 Test prototype APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.3 Document QE test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.1 Design WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.2 Build WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.3 Operate WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.4 Document WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.1 Model water flow	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.2 Design test for model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.3 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.4 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.5 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.6 Water cooling value engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.4.1 Develop preliminary design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.2 Design electronics box - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.3 Prototype electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.4 Qualify electronics box for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.2 APD engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.1 Design housing manufacturing and test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.2 Prototype mold (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.3 Pilot fabrication run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.4 Manufacture housing parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.5 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.6 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.8 Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.10 Receive 20 APDs for evaluation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.11 Test and evaluate 20 APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.1 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.3 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.3 IPND electronics installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.1 Perform thermal tests with sheetmetal part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.1 Design air-cooled heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.2 Machine heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.3 Modify design for machining	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.3 Purchase test TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.4 Produce rapid proto snouts	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.5.9.1 Document assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.2 Review assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.3 Document factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.4 Review factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.11 Module Shipping and Storage R&D - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.3 Fabricate second housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.4 Assemble housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.5 Assemble prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.6 Test second prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.8 APD module value engineering - prototype 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.9 APD module value engineering - prototype 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.3 Design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.4 Manufacture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.5 Program	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.6 Qualify	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.7 Document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.1 Design APD QE test procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.2 Test prototype APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.3 Document QE test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.1 Design WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.2 Build WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.3 Operate WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.4 Document WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.1 Model water flow	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.2 Design test for model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.3 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.4 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.5 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.6 Water cooling value engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.4.1 Develop preliminary design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.2 Design electronics box - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.3 Prototype electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.4 Qualify electronics box for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.2 APD engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.1 Design housing manufacturing and test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.2 Prototype mold (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.3 Pilot fabrication run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.4 Manufacture housing parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.5 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.6 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.8 Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.10 Receive 20 APDs for evaluation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.11 Test and evaluate 20 APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.1 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.3 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.3 IPND electronics installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.1 Perform thermal tests with sheetmetal part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.1 Design air-cooled heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.2 Machine heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.3 Modify design for machining	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.3 Purchase test TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.4 Produce rapid proto snouts	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.5.9.1 Document assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.2 Review assembly process, procedures, and training	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.3 Document factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.9.4 Review factory machines and functioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.5.11 Module Shipping and Storage R&D - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.3 Fabricate second housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.4 Assemble housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.5 Assemble prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.6 Test second prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.8 APD module value engineering - prototype 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.1.3.9 APD module value engineering - prototype 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.10.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.3 Design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.4 Manufacture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.5 Program	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.6 Qualify	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.7 Document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.1 Design APD QE test procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.2 Test prototype APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.11.3 Document QE test results	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.1 Design WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.2 Build WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.3 Operate WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.2.12.4 Document WT test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.1 Model water flow	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.2 Design test for model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.3 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.4 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.5 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.3.6 Water cooling value engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.4.1 Develop preliminary design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.2 Design electronics box - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.3 Prototype electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.5.4 Qualify electronics box for production	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.2 APD engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.1 Design housing manufacturing and test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.2 Prototype mold (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.3.3 Pilot fabrication run	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.4 Manufacture housing parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.5 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.6 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.8 Review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.10 Receive 20 APDs for evaluation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.1.11 Test and evaluate 20 APDs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.1 Procure manifolds	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.2.3 Assemble and test hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.6.3 IPND electronics installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.1 Perform thermal tests with sheetmetal part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.1 Design air-cooled heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.2 Machine heat sink	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.2.3 Modify design for machining	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.3 Purchase test TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.4 Produce rapid proto snouts	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.5.9.1 Document assembly process, procedures, and training	BCWS	0	0	1,419
1.5.9.2 Review assembly process, procedures, and training	BCWS	0	0	2,731
1.5.9.3 Document factory machines and functioning	BCWS	0	0	2,839
1.5.9.4 Review factory machines and functioning	BCWS	0	0	2,731
1.5.11 Module Shipping and Storage R&D - Part 2	BCWS	0	0	2,684
1.6.1.1.3.3 Fabricate second housing	BCWS	0	0	15,000
1.6.1.1.3.4 Assemble housing	BCWS	0	0	1,349
1.6.1.1.3.5 Assemble prototype	BCWS	0	0	1,056
1.6.1.1.3.6 Test second prototype	BCWS	0	0	2,717
1.6.1.1.3.8 APD module value engineering - prototype 2	BCWS	0	0	2,771
1.6.1.1.3.9 APD module value engineering - prototype 2 - Part 2	BCWS	0	0	2,963
1.6.1.2.10.1 Design	BCWS	0	0	9,600
1.6.1.2.10.2 Build	BCWS	0	0	14,002
1.6.1.2.3 Design - 2	BCWS	0	0	4,080
1.6.1.2.4 Manufacture	BCWS	0	0	42,002
1.6.1.2.5 Program	BCWS	0	0	12,480
1.6.1.2.6 Qualify	BCWS	0	0	5,400
1.6.1.2.7 Document	BCWS	0	0	1,800
1.6.1.2.11.1 Design APD QE test procedure	BCWS	0	0	2,244
1.6.1.2.11.2 Test prototype APDs	BCWS	0	0	2,096
1.6.1.2.11.3 Document QE test results	BCWS	0	0	0
1.6.1.2.12.1 Design WT test	BCWS	0	0	2,379
1.6.1.2.12.2 Build WT test	BCWS	0	0	4,498
1.6.1.2.12.3 Operate WT test	BCWS	0	0	7,801
1.6.1.2.12.4 Document WT test	BCWS	0	0	1,950
1.6.1.3.1 Model water flow	BCWS	0	0	3,278
1.6.1.3.2 Design test for model	BCWS	0	0	2,185
1.6.1.3.3 Procure manifolds	BCWS	0	0	4,711
1.6.1.3.4 Procure other components	BCWS	0	0	1,009
1.6.1.3.5 Assemble and test hardware	BCWS	0	0	9,600
1.6.1.3.6 Water cooling value engineering	BCWS	0	0	11,827
1.6.1.4.1 Develop preliminary design	BCWS	0	0	2,209
1.6.1.5.2 Design electronics box - 2	BCWS	0	0	1,999
1.6.1.5.3 Prototype electronics box	BCWS	0	0	3,485
1.6.1.5.4 Qualify electronics box for production	BCWS	0	0	1,928
1.6.1.6.1.2 APD engineering run	BCWS	0	0	337,591
1.6.1.6.1.3.1 Design housing manufacturing and test stand	BCWS	0	0	23,990
1.6.1.6.1.3.2 Prototype mold (Obsolete)	BCWS	0	0	29,656
1.6.1.6.1.3.3 Pilot fabrication run	BCWS	0	0	5,655
1.6.1.6.1.4 Manufacture housing parts	BCWS	0	0	11,916
1.6.1.6.1.5 Assemble	BCWS	0	0	8,296
1.6.1.6.1.6 Test	BCWS	0	0	6,286
1.6.1.6.1.8 Review	BCWS	0	0	2,839
1.6.1.6.1.10 Receive 20 APDs for evaluation	BCWS	0	0	27,911
1.6.1.6.1.11 Test and evaluate 20 APDs	BCWS	0	0	798
1.6.1.6.2.1 Procure manifolds	BCWS	0	0	47,938
1.6.1.6.2.2 Procure other components	BCWS	0	0	18,255
1.6.1.6.2.3 Assemble and test hardware	BCWS	0	0	22,790
1.6.1.6.3 IPND electronics installation	BCWS	0	0	18,007
1.6.1.7.1 Perform thermal tests with sheetmetal part	BCWS	0	0	0
1.6.1.7.2.1 Design air-cooled heat sink	BCWS	0	0	4,538
1.6.1.7.2.2 Machine heat sink	BCWS	0	0	4,701
1.6.1.7.2.3 Modify design for machining	BCWS	0	0	4,538
1.6.1.7.3 Purchase test TE coolers	BCWS	0	0	500
1.6.1.7.4 Produce rapid proto snouts	BCWS	0	0	454

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.6.1.7.5 Produce dummy carrier boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.6 Test thermal properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.7 Evaluate performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.1 Purchase TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.1 Finalize features of cover attachments	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.2 Finalize features of dessicant attachment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.3 Optimze fins	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.2 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.4 Modify design due to quote feedback	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.6 Produce and test die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.7 Produce samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.8 Produce required box covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.2 Fabricate	BCWS	0	0	0	0	0	0	0	0	44,452	49,391	0
1.6.2.1.2.3 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.4 Documentation	BCWS	0	0	0	0	0	0	0	0	891	0	0
1.6.2.1.2.5 Administration	BCWS	0	0	0	0	0	0	0	0	153	0	0
1.6.2.1.2.6 Documentation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.7 Administration - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.1 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.2 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.1 Design	BCWS	0	0	0	0	0	0	0	1,643	2,957	0	0
1.6.2.4.11 Review FEB prototype III	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.13 Design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.11 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.12 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.2 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.3 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.5 Produce electronics boxes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.6 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.7 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.8 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.9 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.3 Procure LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.4 Test LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.3 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.10 Procure PDB to DCM cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.2 Procure PDB to FEB cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.4 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.6 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.8 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.3 Fabricate and test first PDB prototype	BCWS	0	0	9,808	8,542	0	0	0	0	0	0	0
1.6.3.4.4 Design review for first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.5 Design second PDB prototype	BCWS	0	0	0	0	0	0	0	645	2,320	0	0
1.6.3.4.6 Fabricate and test second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.7 Design review for second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.6.1.7.5 Produce dummy carrier boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.6 Test thermal properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.7 Evaluate performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.1 Purchase TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.1 Finalize features of cover attachments	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.2 Finalize features of dessicant attachment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.3 Optimze fins	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.2 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.4 Modify design due to quote feedback	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.6 Produce and test die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.7 Produce samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.8 Produce required box covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.2 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.3 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.4 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.5 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.6 Documentation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.7 Administration - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.1 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.2 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.11 Review FEB prototype III	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.13 Design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.11 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.12 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.2 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.3 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.5 Produce electronics boxes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.6 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.7 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.8 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.9 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.3 Procure LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.4 Test LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.3 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.10 Procure PDB to DCM cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.2 Procure PDB to FEB cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.4 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.6 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.8 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.3 Fabricate and test first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.4 Design review for first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.5 Design second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.6 Fabricate and test second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.7 Design review for second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.6.1.7.5 Produce dummy carrier boards	BCWS	0	0	0	577	0	0	0	0	0	0	0
1.6.1.7.6 Test thermal properties	BCWS	0	0	0	0	0	0	0	0	0	1,902	476
1.6.1.7.7 Evaluate performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.1 Purchase TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	1,340
1.6.1.7.8.2.1.1 Finalize features of cover attachments	BCWS	0	0	0	0	0	0	0	0	0	0	713
1.6.1.7.8.2.1.2 Finalize features of dessicant attachment	BCWS	0	0	0	0	0	0	0	0	0	0	713
1.6.1.7.8.2.1.3 Optimze fins	BCWS	0	0	0	0	0	0	0	0	0	0	713
1.6.1.7.8.2.2 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.4 Modify design due to quote feedback	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.6 Produce and test die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.7 Produce samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.8 Produce required box covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.2 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.3 Test	BCWS	4,667	4,667	0	0	0	0	0	0	0	0	0
1.6.2.1.2.4 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.5 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.6 Documentation - Part 2	BCWS	1,204	1,325	1,204	0	0	0	0	0	0	0	0
1.6.2.1.2.7 Administration - Part 2	BCWS	207	456	415	0	0	0	0	0	0	0	0
1.6.2.1.4.1 Fabricate	BCWS	0	0	0	0	17,546	35,093	11,166	0	0	0	0
1.6.2.1.4.2 Test	BCWS	0	0	0	0	0	0	3,358	5,036	1,261	0	0
1.6.2.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.11 Review FEB prototype III	BCWS	0	0	0	0	1,512	0	0	0	0	0	0
1.6.2.4.2 Fabricate PCB	BCWS	1,109	3,326	0	0	0	0	0	0	0	0	0
1.6.2.4.3 Procure parts	BCWS	326	978	0	0	0	0	0	0	0	0	0
1.6.2.4.4 Assemble	BCWS	0	232	929	0	0	0	0	0	0	0	0
1.6.2.4.5 Develop firmware	BCWS	2,809	5,337	0	0	0	0	0	0	0	0	0
1.6.2.4.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.7 Test	BCWS	0	0	0	17,644	13,863	0	0	0	0	0	0
1.6.2.4.8 Documentation	BCWS	1,395	3,068	3,068	2,789	2,789	0	0	0	0	0	0
1.6.2.4.9 Administration	BCWS	1,721	3,785	3,785	3,441	3,441	0	0	0	0	0	0
1.6.2.4.13 Design - Part 2	BCWS	4,820	0	0	0	0	0	0	0	0	0	0
1.6.2.5.11 Documentation	BCWS	0	0	0	0	193	2,125	2,028	2,028	2,227	1,923	2,024
1.6.2.5.12 Administration	BCWS	0	0	0	0	185	2,035	1,943	1,943	2,133	1,842	1,939
1.6.2.5.2 Design	BCWS	0	0	0	0	698	7,680	7,331	1,745	0	0	0
1.6.2.5.3 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.5 Produce electronics boxes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.6 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.7 Develop firmware	BCWS	0	0	0	0	365	4,017	2,921	0	0	0	0
1.6.2.5.8 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.9 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.3 Procure LV power supply	BCWS	2,927	3,220	2,635	0	0	0	0	0	0	0	0
1.6.3.1.4 Test LV power supply	BCWS	0	0	414	1,139	0	0	0	0	0	0	0
1.6.3.2.3 Procure HV power supply	BCWS	5,367	5,904	4,831	0	0	0	0	0	0	0	0
1.6.3.2.4 Test HV power supply	BCWS	0	0	414	1,139	0	0	0	0	0	0	0
1.6.3.3.10 Procure PDB to DCM cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.2 Procure PDB to FEB cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.4 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.6 Procure LV supply sense cables	BCWS	253	0	0	0	0	0	0	0	0	0	0
1.6.3.3.8 Procure HV supply to PDB cables	BCWS	1,125	562	0	0	0	0	0	0	0	0	0
1.6.3.4.3 Fabricate and test first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.4 Design review for first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.5 Design second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.6 Fabricate and test second PDB prototype	BCWS	6,376	6,376	0	0	0	0	0	0	0	0	0
1.6.3.4.7 Design review for second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.6.1.7.5 Produce dummy carrier boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.6 Test thermal properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.7 Evaluate performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.1 Purchase TE coolers	BCWS	4,243	4,467	5,137	2,680	0	0	0	0	0	0	0
1.6.1.7.8.2.1.1 Finalize features of cover attachments	BCWS	1,070	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.2 Finalize features of dessicant attachment	BCWS	476	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.3 Optimze fins	BCWS	1,070	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.2 Review design	BCWS	1,189	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.4 Modify design due to quote feedback	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.6 Produce and test die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.7 Produce samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.8 Produce required box covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.2 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.3 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.4 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.5 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.6 Documentation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.7 Administration - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.1 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.2 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.11 Review FEB prototype III	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.13 Design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.11 Documentation	BCWS	1,923	405	0	0	0	0	0	0	0	0	0
1.6.2.5.12 Administration	BCWS	1,842	388	0	0	0	0	0	0	0	0	0
1.6.2.5.2 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.3 Fabricate PCB	BCWS	0	17,228	14,095	0	0	0	0	0	0	0	0
1.6.2.5.4 Procure parts	BCWS	0	123,835	45,031	0	0	0	0	0	0	0	0
1.6.2.5.5 Produce electronics boxes	BCWS	0	12,501	4,546	0	0	0	0	0	0	0	0
1.6.2.5.6 Assemble	BCWS	0	0	25,734	1,838	0	0	0	0	0	0	0
1.6.2.5.7 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.8 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.9 Test	BCWS	0	0	0	2,877	54,663	0	0	0	0	0	0
1.6.3.1.3 Procure LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.4 Test LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.3 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.10 Procure PDB to DCM cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.2 Procure PDB to FEB cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.4 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.6 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.8 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.3 Fabricate and test first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.4 Design review for first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.5 Design second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.6 Fabricate and test second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.7 Design review for second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.6.1.7.5 Produce dummy carrier boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.6 Test thermal properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.7 Evaluate performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.1 Purchase TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.1 Finalize features of cover attachments	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.2 Finalize features of dessicant attachment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.3 Optimze fins	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.2 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.4 Modify design due to quote feedback	BCWS	0	0	0	0	249	2,243	0	0	0	0	0
1.6.1.7.8.2.6 Produce and test die	BCWS	0	0	0	0	0	2,085	18,764	0	0	0	0
1.6.1.7.8.2.7 Produce samples	BCWS	0	0	0	0	0	0	417	104	0	0	0
1.6.1.7.8.2.8 Produce required box covers	BCWS	0	0	0	0	0	0	0	3,300	1,911	0	0
1.6.2.1.2.2 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.3 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.4 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.5 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.6 Documentation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.7 Administration - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.1 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.2 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.11 Review FEB prototype III	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.13 Design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.11 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.12 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.2 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.3 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.5 Produce electronics boxes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.6 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.7 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.8 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.9 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.3 Procure LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.4 Test LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.3 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.10 Procure PDB to DCM cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.2 Procure PDB to FEB cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.4 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.6 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.8 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.3 Fabricate and test first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.4 Design review for first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.5 Design second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.6 Fabricate and test second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.7 Design review for second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.6.1.7.5 Produce dummy carrier boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.6 Test thermal properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.7 Evaluate performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.1 Purchase TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.1 Finalize features of cover attachments	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.2 Finalize features of dessicant attachment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.3 Optimze fins	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.2 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.4 Modify design due to quote feedback	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.6 Produce and test die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.7 Produce samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.8 Produce required box covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.2 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.3 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.4 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.5 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.6 Documentation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.7 Administration - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.1 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.2 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.11 Review FEB prototype III	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.13 Design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.11 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.12 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.2 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.3 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.5 Produce electronics boxes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.6 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.7 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.8 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.9 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.3 Procure LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.4 Test LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.3 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.10 Procure PDB to DCM cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.2 Procure PDB to FEB cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.4 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.6 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.8 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.3 Fabricate and test first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.4 Design review for first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.5 Design second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.6 Fabricate and test second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.7 Design review for second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.6.1.7.5 Produce dummy carrier boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.6 Test thermal properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.7 Evaluate performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.1 Purchase TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.1 Finalize features of cover attachments	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.2 Finalize features of dessicant attachment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.3 Optimze fins	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.2 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.4 Modify design due to quote feedback	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.6 Produce and test die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.7 Produce samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.8 Produce required box covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.2 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.3 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.4 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.5 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.6 Documentation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.7 Administration - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.1 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.2 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.11 Review FEB prototype III	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.13 Design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.11 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.12 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.2 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.3 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.5 Produce electronics boxes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.6 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.7 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.8 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.9 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.3 Procure LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.4 Test LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.3 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.10 Procure PDB to DCM cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.2 Procure PDB to FEB cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.4 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.6 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.8 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.3 Fabricate and test first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.4 Design review for first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.5 Design second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.6 Fabricate and test second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.7 Design review for second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.6.1.7.5 Produce dummy carrier boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.6 Test thermal properties	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.7 Evaluate performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.1 Purchase TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.1 Finalize features of cover attachments	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.2 Finalize features of dessicant attachment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.1.3 Optimze fins	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.2 Review design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.4 Modify design due to quote feedback	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.6 Produce and test die	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.7 Produce samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.1.7.8.2.8 Produce required box covers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.2 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.3 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.4 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.5 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.6 Documentation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.2.7 Administration - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.1 Fabricate	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.1.4.2 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.11 Review FEB prototype III	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.4.13 Design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.11 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.12 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.2 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.3 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.5 Produce electronics boxes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.6 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.7 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.8 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.2.5.9 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.3 Procure LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.1.4 Test LV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.3 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.10 Procure PDB to DCM cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.2 Procure PDB to FEB cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.4 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.6 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.3.8 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.3 Fabricate and test first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.4 Design review for first PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.5 Design second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.6 Fabricate and test second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.7 Design review for second PDB prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.6.1.7.5 Produce dummy carrier boards	BCWS	0	0	577
1.6.1.7.6 Test thermal properties	BCWS	0	0	2,378
1.6.1.7.7 Evaluate performance	BCWS	0	0	0
1.6.1.7.8.1 Purchase TE coolers	BCWS	0	0	17,867
1.6.1.7.8.2.1.1 Finalize features of cover attachments	BCWS	0	0	1,783
1.6.1.7.8.2.1.2 Finalize features of dessicant attachment	BCWS	0	0	1,189
1.6.1.7.8.2.1.3 Optimze fins	BCWS	0	0	1,783
1.6.1.7.8.2.2 Review design	BCWS	0	0	1,189
1.6.1.7.8.2.4 Modify design due to quote feedback	BCWS	0	0	2,492
1.6.1.7.8.2.6 Produce and test die	BCWS	0	0	20,849
1.6.1.7.8.2.7 Produce samples	BCWS	0	0	521
1.6.1.7.8.2.8 Produce required box covers	BCWS	0	0	5,211
1.6.2.1.2.2 Fabricate	BCWS	0	0	93,843
1.6.2.1.2.3 Test	BCWS	0	0	9,334
1.6.2.1.2.4 Documentation	BCWS	0	0	891
1.6.2.1.2.5 Administration	BCWS	0	0	153
1.6.2.1.2.6 Documentation - Part 2	BCWS	0	0	3,734
1.6.2.1.2.7 Administration - Part 2	BCWS	0	0	1,078
1.6.2.1.4.1 Fabricate	BCWS	0	0	63,805
1.6.2.1.4.2 Test	BCWS	0	0	9,655
1.6.2.4.1 Design	BCWS	0	0	4,599
1.6.2.4.11 Review FEB prototype III	BCWS	0	0	1,512
1.6.2.4.2 Fabricate PCB	BCWS	0	0	4,435
1.6.2.4.3 Procure parts	BCWS	0	0	1,304
1.6.2.4.4 Assemble	BCWS	0	0	1,161
1.6.2.4.5 Develop firmware	BCWS	0	0	8,146
1.6.2.4.6 Develop software	BCWS	0	0	0
1.6.2.4.7 Test	BCWS	0	0	31,507
1.6.2.4.8 Documentation	BCWS	0	0	13,110
1.6.2.4.9 Administration	BCWS	0	0	16,174
1.6.2.4.13 Design - Part 2	BCWS	0	0	4,820
1.6.2.5.11 Documentation	BCWS	0	0	14,875
1.6.2.5.12 Administration	BCWS	0	0	14,250
1.6.2.5.2 Design	BCWS	0	0	17,454
1.6.2.5.3 Fabricate PCB	BCWS	0	0	31,323
1.6.2.5.4 Procure parts	BCWS	0	0	168,866
1.6.2.5.5 Produce electronics boxes	BCWS	0	0	17,046
1.6.2.5.6 Assemble	BCWS	0	0	27,573
1.6.2.5.7 Develop firmware	BCWS	0	0	7,303
1.6.2.5.8 Develop software	BCWS	0	0	0
1.6.2.5.9 Test	BCWS	0	0	57,540
1.6.3.1.3 Procure LV power supply	BCWS	0	0	8,782
1.6.3.1.4 Test LV power supply	BCWS	0	0	1,554
1.6.3.2.3 Procure HV power supply	BCWS	0	0	16,102
1.6.3.2.4 Test HV power supply	BCWS	0	0	1,554
1.6.3.3.10 Procure PDB to DCM cable	BCWS	0	0	0
1.6.3.3.2 Procure PDB to FEB cable	BCWS	0	0	0
1.6.3.3.4 Procure LV supply to PDB cables	BCWS	0	0	0
1.6.3.3.6 Procure LV supply sense cables	BCWS	0	0	253
1.6.3.3.8 Procure HV supply to PDB cables	BCWS	0	0	1,687
1.6.3.4.3 Fabricate and test first PDB prototype	BCWS	0	0	18,350
1.6.3.4.4 Design review for first PDB prototype	BCWS	0	0	0
1.6.3.4.5 Design second PDB prototype	BCWS	0	0	2,965
1.6.3.4.6 Fabricate and test second PDB prototype	BCWS	0	0	12,753
1.6.3.4.7 Design review for second PDB prototype	BCWS	0	0	0

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.6.3.4.8.1 Electrical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.2 Electrical layout - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.3 Mechanical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.4 Order parts, fabricate components, and test PDB - v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.3 Procure LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.4 Define LV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.5 Set up LV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.6 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.1 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.2 Define HV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.3 Set up HV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.5 Order additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.6 Receive additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.10 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.7 Define cable test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.8 Setup cable test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.9 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.11 Mockup cable harness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.12 Final design - cable routing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.2 Define test procedure for PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.3 Set up PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.4 Assemble and test PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.5 Set up PDB test stand - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.6 Continue work on PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.5 Ship PDBs, cables, and power supplies to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.2 Travel	BCWS	0	2,716	2,592	2,592	2,839	2,189	0	0	0	0	0
1.6.4.2.2.4 Materials and supplies	BCWS	0	525	501	501	549	423	0	0	0	0	0
1.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	831	790	679	0	0
1.6.5.1.2 Operate apparatus	BCWS	0	2,576	2,459	2,459	1,911	0	0	0	0	0	0
1.6.5.2.1 Prepare apparatus	BCWS	0	31,056	0	0	0	0	0	0	0	0	0
1.6.5.2.2 Operate apparatus - 2HFY07	BCWS	0	128	1,897	1,897	2,078	1,545	0	0	0	0	0
1.6.5.2.3 Review APD module performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.4 Operate apparatus-FY08	BCWS	0	0	0	0	0	0	0	0	0	2,439	2,696
1.6.5.2.5 Prepare fiber testing apparatus	BCWS	0	576	8,515	3,021	0	0	0	0	0	0	0
1.6.5.2.6 Test vertical slice fibers - 2HFY07	BCWS	0	0	0	615	1,044	805	0	0	0	0	0
1.6.5.2.7 Test vertical slice fibers	BCWS	0	0	0	0	0	0	0	0	0	261	1,370
1.6.5.3.1 Prepare fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.3 Operate VS3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.1 Prepare room and tables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.3 Operate VS5	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.1 Find candidates for run control system software	BCWS	0	9,839	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.6.3.4.8.1 Electrical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.2 Electrical layout - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.3 Mechanical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.4 Order parts, fabricate components, and test PDB - v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.3 Procure LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.4 Define LV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.5 Set up LV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.6 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.1 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.2 Define HV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.3 Set up HV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.5 Order additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.6 Receive additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.10 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.7 Define cable test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.8 Setup cable test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.9 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.11 Mockup cable harness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.12 Final design - cable routing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.2 Define test procedure for PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.3 Set up PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.4 Assemble and test PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.5 Set up PDB test stand - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.6 Continue work on PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.5 Ship PDBs, cables, and power supplies to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.1.2 Operate apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.1 Prepare apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.2 Operate apparatus - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.3 Review APD module performance	BCWS	0	0	0	0	0	0	0	201	0	0	0
1.6.5.2.4 Operate apparatus-FY08	BCWS	2,696	2,824	2,696	2,696	2,824	2,696	2,696	0	0	0	0
1.6.5.2.5 Prepare fiber testing apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.6 Test vertical slice fibers - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.7 Test vertical slice fibers	BCWS	1,370	1,435	1,370	1,370	1,435	1,370	1,370	0	0	0	0
1.6.5.3.1 Prepare fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.3 Operate VS3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.1 Prepare room and tables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.3 Operate VS5	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.1 Find candidates for run control system software	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.6.3.4.8.1 Electrical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	8,397
1.6.3.4.8.2 Electrical layout - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.3 Mechanical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	966
1.6.3.4.8.4 Order parts, fabricate components, and test PDB - v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.2 Procure relay racks	BCWS	1,797	898	0	0	0	0	0	0	0	0	0
1.6.3.5.1.3 Procure LV power supplies	BCWS	0	0	0	2,635	6,441	6,441	2,049	0	0	0	0
1.6.3.5.1.4 Define LV power supply test procedures	BCWS	1,243	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.5 Set up LV power supply test stand	BCWS	2,908	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.6 Test LV power supplies	BCWS	0	0	0	0	0	0	559	684	0	0	0
1.6.3.5.2.1 Procure HV power supply	BCWS	0	0	0	2,363	5,777	5,777	1,838	0	0	0	0
1.6.3.5.2.2 Define HV power supply test procedures	BCWS	1,243	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.3 Set up HV power supply test stand	BCWS	2,908	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	280	342	0	0	0
1.6.3.5.2.5 Order additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.6 Receive additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	3,978	3,126	0	0	0
1.6.3.5.3.10 Procure cable trays	BCWS	1,085	543	0	0	0	0	0	0	0	0	0
1.6.3.5.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	2,415	2,952	0	0	0	0	0	0
1.6.3.5.3.3 Procure LV supply sense cables	BCWS	0	0	0	179	219	0	0	0	0	0	0
1.6.3.5.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	468	1,092	0	0	0	0	0	0
1.6.3.5.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	34	80	0	0	0	0
1.6.3.5.3.6 Procure ground cables	BCWS	0	0	0	0	115	94	0	0	0	0	0
1.6.3.5.3.7 Define cable test procedures	BCWS	0	0	497	124	0	0	0	0	0	0	0
1.6.3.5.3.8 Setup cable test stand	BCWS	0	0	0	2,286	0	0	0	0	0	0	0
1.6.3.5.3.9 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.11 Mockup cable harness	BCWS	0	0	0	0	0	0	0	0	0	0	1,546
1.6.3.5.3.12 Final design - cable routing	BCWS	0	0	0	0	0	0	0	0	0	0	910
1.6.3.5.4.1 Procure PDB parts	BCWS	0	0	26,515	21,694	0	0	0	0	0	0	0
1.6.3.5.4.2 Define test procedure for PDBs	BCWS	0	249	373	0	0	0	0	0	0	0	0
1.6.3.5.4.3 Set up PDB test stand	BCWS	0	0	2,286	0	0	0	0	0	0	0	0
1.6.3.5.4.4 Assemble and test PDBs	BCWS	0	0	0	188	2,070	1,506	0	0	0	0	0
1.6.3.5.4.5 Set up PDB test stand - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.6 Continue work on PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.5 Ship PDBs, cables, and power supplies to Fermilab	BCWS	0	0	0	0	0	0	0	2,614	0	0	0
1.6.4.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.1.2 Operate apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.1 Prepare apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.2 Operate apparatus - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.3 Review APD module performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.4 Operate apparatus-FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.5 Prepare fiber testing apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.6 Test vertical slice fibers - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.7 Test vertical slice fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.1 Prepare fibers	BCWS	0	0	1,185	4,740	0	0	0	0	0	0	0
1.6.5.3.2 Install apparatus	BCWS	0	0	0	1,904	0	0	0	0	0	0	0
1.6.5.3.3 Operate VS3	BCWS	0	0	0	1,333	4,188	4,188	3,998	3,998	4,389	3,790	3,990
1.6.5.4.1 Prepare room and tables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.3 Operate VS5	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.1 Find candidates for run control system software	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.6.3.4.8.1 Electrical design - PDB v3	BCWS	9,385	9,879	1,976	0	0	0	0	0	0	0	0
1.6.3.4.8.2 Electrical layout - PDB v3	BCWS	0	0	7,600	4,400	0	0	0	0	0	0	0
1.6.3.4.8.3 Mechanical design - PDB v3	BCWS	1,080	1,137	1,307	57	0	0	0	0	0	0	0
1.6.3.4.8.4 Order parts, fabricate components, and test PDB - v3	BCWS	0	0	0	6,429	11,689	5,260	0	0	0	0	0
1.6.3.5.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.3 Procure LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.4 Define LV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.5 Set up LV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.6 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.1 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.2 Define HV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.3 Set up HV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.5 Order additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.6 Receive additional HV power supply	BCWS	0	0	0	0	16,294	0	0	0	0	0	0
1.6.3.5.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.10 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.7 Define cable test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.8 Setup cable test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.9 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.11 Mockup cable harness	BCWS	1,632	1,718	258	0	0	0	0	0	0	0	0
1.6.3.5.3.12 Final design - cable routing	BCWS	960	1,011	152	0	0	0	0	0	0	0	0
1.6.3.5.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.2 Define test procedure for PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.3 Set up PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.4 Assemble and test PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.5 Set up PDB test stand - supplemental	BCWS	0	0	31,346	23,169	0	0	0	0	0	0	0
1.6.3.5.4.6 Continue work on PDB test stand	BCWS	0	0	0	0	0	0	16,424	7,039	0	0	0
1.6.3.5.5 Ship PDBs, cables, and power supplies to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.1.2 Operate apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.1 Prepare apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.2 Operate apparatus - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.3 Review APD module performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.4 Operate apparatus-FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.5 Prepare fiber testing apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.6 Test vertical slice fibers - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.7 Test vertical slice fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.1 Prepare fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.3 Operate VS3	BCWS	3,790	3,990	1,396	0	0	0	0	0	0	0	0
1.6.5.4.1 Prepare room and tables	BCWS	19,477	1,025	0	0	0	0	0	0	0	0	0
1.6.5.4.2 Install apparatus	BCWS	0	0	3,990	3,990	0	0	0	0	0	0	0
1.6.5.4.3 Operate VS5	BCWS	0	0	0	2,394	3,990	4,389	4,189	4,389	4,189	4,444	4,233
1.7.1.4.3.1 Find candidates for run control system software	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.6.3.4.8.1 Electrical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.2 Electrical layout - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.3 Mechanical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.4 Order parts, fabricate components, and test PDB - v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.3 Procure LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.4 Define LV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.5 Set up LV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.6 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.1 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.2 Define HV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.3 Set up HV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.5 Order additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.6 Receive additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.10 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.7 Define cable test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.8 Setup cable test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.9 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.11 Mockup cable harness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.12 Final design - cable routing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.2 Define test procedure for PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.3 Set up PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.4 Assemble and test PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.5 Set up PDB test stand - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.6 Continue work on PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.5 Ship PDBs, cables, and power supplies to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.1.2 Operate apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.1 Prepare apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.2 Operate apparatus - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.3 Review APD module performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.4 Operate apparatus-FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.5 Prepare fiber testing apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.6 Test vertical slice fibers - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.7 Test vertical slice fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.1 Prepare fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.3 Operate VS3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.1 Prepare room and tables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.3 Operate VS5	BCWS	4,233	4,021	212	0	0	0	0	0	0	0	0
1.7.1.4.3.1 Find candidates for run control system software	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.6.3.4.8.1 Electrical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.2 Electrical layout - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.3 Mechanical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.4 Order parts, fabricate components, and test PDB - v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.3 Procure LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.4 Define LV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.5 Set up LV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.6 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.1 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.2 Define HV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.3 Set up HV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.5 Order additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.6 Receive additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.10 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.7 Define cable test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.8 Setup cable test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.9 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.11 Mockup cable harness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.12 Final design - cable routing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.2 Define test procedure for PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.3 Set up PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.4 Assemble and test PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.5 Set up PDB test stand - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.6 Continue work on PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.5 Ship PDBs, cables, and power supplies to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.1.2 Operate apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.1 Prepare apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.2 Operate apparatus - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.3 Review APD module performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.4 Operate apparatus-FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.5 Prepare fiber testing apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.6 Test vertical slice fibers - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.7 Test vertical slice fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.1 Prepare fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.3 Operate VS3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.1 Prepare room and tables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.3 Operate VS5	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.1 Find candidates for run control system software	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.6.3.4.8.1 Electrical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.2 Electrical layout - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.3 Mechanical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.4 Order parts, fabricate components, and test PDB - v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.3 Procure LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.4 Define LV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.5 Set up LV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.6 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.1 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.2 Define HV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.3 Set up HV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.5 Order additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.6 Receive additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.10 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.7 Define cable test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.8 Setup cable test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.9 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.11 Mockup cable harness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.12 Final design - cable routing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.2 Define test procedure for PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.3 Set up PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.4 Assemble and test PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.5 Set up PDB test stand - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.6 Continue work on PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.5 Ship PDBs, cables, and power supplies to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.1.2 Operate apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.1 Prepare apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.2 Operate apparatus - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.3 Review APD module performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.4 Operate apparatus-FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.5 Prepare fiber testing apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.6 Test vertical slice fibers - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.7 Test vertical slice fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.1 Prepare fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.3 Operate VS3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.1 Prepare room and tables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.3 Operate VS5	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.1 Find candidates for run control system software	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.6.3.4.8.1 Electrical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.2 Electrical layout - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.3 Mechanical design - PDB v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.4.8.4 Order parts, fabricate components, and test PDB - v3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.3 Procure LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.4 Define LV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.5 Set up LV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.1.6 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.1 Procure HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.2 Define HV power supply test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.3 Set up HV power supply test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.4 Test HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.5 Order additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.2.6 Receive additional HV power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.10 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.7 Define cable test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.8 Setup cable test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.9 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.11 Mockup cable harness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.3.12 Final design - cable routing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.2 Define test procedure for PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.3 Set up PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.4 Assemble and test PDBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.5 Set up PDB test stand - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.4.6 Continue work on PDB test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.3.5.5 Ship PDBs, cables, and power supplies to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.1.2 Operate apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.1 Prepare apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.2 Operate apparatus - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.3 Review APD module performance	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.4 Operate apparatus-FY08	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.5 Prepare fiber testing apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.6 Test vertical slice fibers - 2HFY07	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.2.7 Test vertical slice fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.1 Prepare fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.3.3 Operate VS3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.1 Prepare room and tables	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.2 Install apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.6.5.4.3 Operate VS5	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.1 Find candidates for run control system software	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.6.3.4.8.1 Electrical design - PDB v3	BCWS	0	0	29,637
1.6.3.4.8.2 Electrical layout - PDB v3	BCWS	0	0	12,000
1.6.3.4.8.3 Mechanical design - PDB v3	BCWS	0	0	4,548
1.6.3.4.8.4 Order parts, fabricate components, and test PDB - v3	BCWS	0	0	23,378
1.6.3.5.1.1 Specify relay racks	BCWS	0	0	0
1.6.3.5.1.2 Procure relay racks	BCWS	0	0	2,695
1.6.3.5.1.3 Procure LV power supplies	BCWS	0	0	17,565
1.6.3.5.1.4 Define LV power supply test procedures	BCWS	0	0	1,243
1.6.3.5.1.5 Set up LV power supply test stand	BCWS	0	0	2,908
1.6.3.5.1.6 Test LV power supplies	BCWS	0	0	1,243
1.6.3.5.2.1 Procure HV power supply	BCWS	0	0	15,756
1.6.3.5.2.2 Define HV power supply test procedures	BCWS	0	0	1,243
1.6.3.5.2.3 Set up HV power supply test stand	BCWS	0	0	2,908
1.6.3.5.2.4 Test HV power supply	BCWS	0	0	621
1.6.3.5.2.5 Order additional HV power supply	BCWS	0	0	0
1.6.3.5.2.6 Receive additional HV power supply	BCWS	0	0	16,294
1.6.3.5.3.1 Procure PDB to FEB cables	BCWS	0	0	7,104
1.6.3.5.3.10 Procure cable trays	BCWS	0	0	1,628
1.6.3.5.3.2 Procure LV supply to PDB cables	BCWS	0	0	5,367
1.6.3.5.3.3 Procure LV supply sense cables	BCWS	0	0	399
1.6.3.5.3.4 Procure HV supply to PDB cables	BCWS	0	0	1,559
1.6.3.5.3.5 Procure PDB to DCM cables	BCWS	0	0	114
1.6.3.5.3.6 Procure ground cables	BCWS	0	0	209
1.6.3.5.3.7 Define cable test procedures	BCWS	0	0	621
1.6.3.5.3.8 Setup cable test stand	BCWS	0	0	2,286
1.6.3.5.3.9 Specify cable trays	BCWS	0	0	0
1.6.3.5.3.11 Mockup cable harness	BCWS	0	0	5,153
1.6.3.5.3.12 Final design - cable routing	BCWS	0	0	3,032
1.6.3.5.4.1 Procure PDB parts	BCWS	0	0	48,208
1.6.3.5.4.2 Define test procedure for PDBs	BCWS	0	0	621
1.6.3.5.4.3 Set up PDB test stand	BCWS	0	0	2,286
1.6.3.5.4.4 Assemble and test PDBs	BCWS	0	0	3,764
1.6.3.5.4.5 Set up PDB test stand - supplemental	BCWS	0	0	54,515
1.6.3.5.4.6 Continue work on PDB test stand	BCWS	0	0	23,462
1.6.3.5.5 Ship PDBs, cables, and power supplies to Fermilab	BCWS	0	0	2,614
1.6.4.2.2.1 Labor	BCWS	0	0	0
1.6.4.2.2.2 Travel	BCWS	0	0	12,929
1.6.4.2.2.4 Materials and supplies	BCWS	0	0	2,500
1.6.4.3.1 Labor	BCWS	0	0	0
1.6.4.3.2 Travel	BCWS	0	0	2,299
1.6.5.1.2 Operate apparatus	BCWS	0	0	9,405
1.6.5.2.1 Prepare apparatus	BCWS	0	0	31,056
1.6.5.2.2 Operate apparatus - 2HFY07	BCWS	0	0	7,544
1.6.5.2.3 Review APD module performance	BCWS	0	0	201
1.6.5.2.4 Operate apparatus-FY08	BCWS	0	0	24,261
1.6.5.2.5 Prepare fiber testing apparatus	BCWS	0	0	12,112
1.6.5.2.6 Test vertical slice fibers - 2HFY07	BCWS	0	0	2,463
1.6.5.2.7 Test vertical slice fibers	BCWS	0	0	11,352
1.6.5.3.1 Prepare fibers	BCWS	0	0	5,925
1.6.5.3.2 Install apparatus	BCWS	0	0	1,904
1.6.5.3.3 Operate VS3	BCWS	0	0	39,049
1.6.5.4.1 Prepare room and tables	BCWS	0	0	20,502
1.6.5.4.2 Install apparatus	BCWS	0	0	7,980
1.6.5.4.3 Operate VS5	BCWS	0	0	40,683
1.7.1.4.3.1 Find candidates for run control system software	BCWS	0	0	9,839

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.7.1.4.3.2 Evaluate run control system candidates	BCWS	0	3,810	10,248	5,620	0	0	0	0	0	0	0
1.7.1.4.3.3 Review run control system evaluations	BCWS	0	0	0	1,968	0	0	0	0	0	0	0
1.7.1.4.4.1 Develop initial run control system framework	BCWS	0	0	0	300	3,448	2,849	3,614	3,142	2,828	0	0
1.7.1.4.4.2 Develop initial run control command line interface	BCWS	0	0	0	0	0	0	3,110	2,705	2,434	0	0
1.7.1.4.4.3 Develop run control system test and verification suite	BCWS	0	0	0	0	0	0	3,110	2,705	2,434	0	0
1.7.1.4.4.4 Write run control system user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.5 Perform run control system tests and verification for firs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.6 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.10 Develop run control system test and verification suite -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.8 Develop initial run control system framework - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.9 Develop initial run control command line interface - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.10 Write event buffer farm core software user documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.11 Perform event buffer farm core software tests and verif	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.12 Review event buffer farm core software, tests and docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.8 Integrate run control support in the event buffer farm c	BCWS	0	0	0	0	0	0	1,944	1,690	1,521	0	0
1.7.1.6.3.1.9 Write event buffer farm core software test and verificat	BCWS	0	0	0	0	0	0	1,944	1,690	1,521	0	0
1.7.1.6.3.1.14 Integrate run control support in the event buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.15 Write event buffer farm core software test and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.1 Write first release event buffer farm server code	BCWS	0	2,074	1,980	1,980	2,168	1,791	2,272	1,976	1,778	0	0
1.7.1.6.4.1.2 Write event buffer farm server test and verification sui	BCWS	0	1,665	1,589	1,589	76	0	988	43	2,062	0	0
1.7.1.6.4.1.3 Write event buffer farm server user documentation for so	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.4 Perform event buffer farm server tests and verification	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.5 Review event buffer farm server, tests and documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.7 Write first release event buffer farm server code - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.8 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.1 Integrate new effort for Buffer Farm Software-Part 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.2 Integrate new DAQ data formats into Buffer Farm Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.3 Buffer Farm Software-first release-Part 3-Write code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.4 Buffer Farm Software-first release-Part 3-Write and perfor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.5 Buffer Farm Software-first release-Part 3-Write user docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.6 Buffer Farm Software-first release-Part 3-Update kernel de	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.1 Data logger requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.2 Review data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.3 Finalize data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.1 Data logger design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.2 Review data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.3 Finalize data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.1 Develop initial global trigger server framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.2 Write global trigger system test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.3 Write global trigger system user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.4 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.5 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.1 Develop beam signal trigger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.2 Integrate error handling and monitoring support in the glo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.3 Integrate run control support in the global trigger server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.4 Update global trigger system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.5 Update global trigger system user documentation for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.6 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.7 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.1 DAQ monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.2 Review DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.3 Finalize DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.1 DAQ monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.2 Review DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.3 Finalize DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.7.1.4.3.2 Evaluate run control system candidates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.3 Review run control system evaluations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.1 Develop initial run control system framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.2 Develop initial run control command line interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.3 Develop run control system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.4 Write run control system user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.5 Perform run control system tests and verification for firs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.6 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.10 Develop run control system test and verification suite -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.8 Develop initial run control system framework - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.9 Develop initial run control command line interface - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.10 Write event buffer farm core software user documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.11 Perform event buffer farm core software tests and verif	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.12 Review event buffer farm core software, tests and docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.8 Integrate run control support in the event buffer farm c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.9 Write event buffer farm core software test and verificat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.14 Integrate run control support in the event buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.15 Write event buffer farm core software test and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.1 Write first release event buffer farm server code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.2 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.3 Write event buffer farm server user documentation for so	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.4 Perform event buffer farm server tests and verification	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.5 Review event buffer farm server, tests and documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.7 Write first release event buffer farm server code - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.8 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.1 Integrate new effort for Buffer Farm Software-Part 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.2 Integrate new DAQ data formats into Buffer Farm Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.3 Buffer Farm Software-first release-Part 3-Write code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.4 Buffer Farm Software-first release-Part 3-Write and perfor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.5 Buffer Farm Software-first release-Part 3-Write user docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.6 Buffer Farm Software-first release-Part 3-Update kernel de	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.1 Data logger requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.2 Review data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.3 Finalize data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.1 Data logger design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.2 Review data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.3 Finalize data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.1 Develop initial global trigger server framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.2 Write global trigger system test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.3 Write global trigger system user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.4 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.5 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.1 Develop beam signal trigger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.2 Integrate error handling and monitoring support in the glo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.3 Integrate run control support in the global trigger server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.4 Update global trigger system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.5 Update global trigger system user documentation for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.6 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.7 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.1 DAQ monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.2 Review DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.3 Finalize DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.1 DAQ monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.2 Review DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.3 Finalize DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.7.1.4.3.2 Evaluate run control system candidates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.3 Review run control system evaluations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.1 Develop initial run control system framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.2 Develop initial run control command line interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.3 Develop run control system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.4 Write run control system user documentation	BCWS	5,403	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.5 Perform run control system tests and verification for firs	BCWS	2,161	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.6 Review run control system software, tests and documentatio	BCWS	3,242	1,081	0	0	0	0	0	0	0	0	0
1.7.1.4.4.10 Develop run control system test and verification suite -	BCWS	2,161	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.8 Develop initial run control system framework - Part 2	BCWS	4,322	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.9 Develop initial run control command line interface - Part	BCWS	2,161	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.10 Write event buffer farm core software user documentatio	BCWS	0	0	0	5,403	0	0	0	0	0	0	0
1.7.1.6.3.1.11 Perform event buffer farm core software tests and verif	BCWS	0	0	0	2,161	0	0	0	0	0	0	0
1.7.1.6.3.1.12 Review event buffer farm core software, tests and docum	BCWS	0	0	0	618	4,446	0	0	0	0	0	0
1.7.1.6.3.1.8 Integrate run control support in the event buffer farm c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.9 Write event buffer farm core software test and verificat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.14 Integrate run control support in the event buffer farm	BCWS	5,403	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.15 Write event buffer farm core software test and verifica	BCWS	1,081	4,322	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.1 Write first release event buffer farm server code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.2 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.3 Write event buffer farm server user documentation for so	BCWS	4,863	540	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.4 Perform event buffer farm server tests and verification	BCWS	4,863	540	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.5 Review event buffer farm server, tests and documentation	BCWS	0	0	2,101	3,302	0	0	0	0	0	0	0
1.7.1.6.4.1.7 Write first release event buffer farm server code - Part	BCWS	4,322	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.8 Write event buffer farm server test and verification sui	BCWS	2,161	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.1 Integrate new effort for Buffer Farm Software-Part 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.2 Integrate new DAQ data formats into Buffer Farm Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.3 Buffer Farm Software-first release-Part 3-Write code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.4 Buffer Farm Software-first release-Part 3-Write and perfor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.5 Buffer Farm Software-first release-Part 3-Write user docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.6 Buffer Farm Software-first release-Part 3-Update kernel de	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.1 Data logger requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.2 Review data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.3 Finalize data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.1 Data logger design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.2 Review data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.3 Finalize data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.1 Develop initial global trigger server framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.2 Write global trigger system test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.3 Write global trigger system user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.4 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.5 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.1 Develop beam signal trigger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.2 Integrate error handling and monitoring support in the glo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.3 Integrate run control support in the global trigger server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.4 Update global trigger system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.5 Update global trigger system user documentation for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.6 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.7 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.1 DAQ monitor system requirements document draft	BCWS	10,806	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.2 Review DAQ monitor requirements document	BCWS	0	0	2,779	1,544	0	0	0	0	0	0	0
1.7.1.9.1.3 Finalize DAQ monitor requirements document	BCWS	0	0	0	4,323	0	0	0	0	0	0	0
1.7.1.9.2.1 DAQ monitor system design document draft	BCWS	0	0	0	309	8,151	8,151	7,781	1,482	0	0	0
1.7.1.9.2.2 Review DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	5,187	0	0	0
1.7.1.9.2.3 Finalize DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	1,112	4,271	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.7.1.4.3.2 Evaluate run control system candidates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.3 Review run control system evaluations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.1 Develop initial run control system framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.2 Develop initial run control command line interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.3 Develop run control system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.4 Write run control system user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.5 Perform run control system tests and verification for firs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.6 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.10 Develop run control system test and verification suite -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.8 Develop initial run control system framework - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.9 Develop initial run control command line interface - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.10 Write event buffer farm core software user documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.11 Perform event buffer farm core software tests and verif	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.12 Review event buffer farm core software, tests and docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.8 Integrate run control support in the event buffer farm c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.9 Write event buffer farm core software test and verificat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.14 Integrate run control support in the event buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.15 Write event buffer farm core software test and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.1 Write first release event buffer farm server code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.2 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.3 Write event buffer farm server user documentation for so	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.4 Perform event buffer farm server tests and verification	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.5 Review event buffer farm server, tests and documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.7 Write first release event buffer farm server code - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.8 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.1 Integrate new effort for Buffer Farm Software-Part 3	BCWS	0	15,976	0	0	0	0	0	0	0	0	0
1.7.1.6.6.2 Integrate new DAQ data formats into Buffer Farm Software	BCWS	0	0	7,988	0	0	0	0	0	0	0	0
1.7.1.6.6.3 Buffer Farm Software-first release-Part 3-Write code	BCWS	0	0	10,385	5,592	0	0	0	0	0	0	0
1.7.1.6.6.4 Buffer Farm Software-first release-Part 3-Write and perfor	BCWS	0	0	599	3,395	0	0	0	0	0	0	0
1.7.1.6.6.5 Buffer Farm Software-first release-Part 3-Write user docum	BCWS	0	0	0	2,996	999	0	0	0	0	0	0
1.7.1.6.6.6 Buffer Farm Software-first release-Part 3-Update kernel de	BCWS	0	0	0	0	5,325	5,325	0	0	0	0	0
1.7.1.7.1.1 Data logger requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.2 Review data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.3 Finalize data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.1 Data logger design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.2 Review data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.3 Finalize data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.1 Develop initial global trigger server framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.2 Write global trigger system test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.3 Write global trigger system user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.4 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.5 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.1 Develop beam signal trigger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.2 Integrate error handling and monitoring support in the glo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.3 Integrate run control support in the global trigger server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.4 Update global trigger system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.5 Update global trigger system user documentation for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.6 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.7 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.1 DAQ monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.2 Review DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.3 Finalize DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.1 DAQ monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.2 Review DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.3 Finalize DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.7.1.4.3.2 Evaluate run control system candidates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.3 Review run control system evaluations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.1 Develop initial run control system framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.2 Develop initial run control command line interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.3 Develop run control system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.4 Write run control system user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.5 Perform run control system tests and verification for firs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.6 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.10 Develop run control system test and verification suite -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.8 Develop initial run control system framework - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.9 Develop initial run control command line interface - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.10 Write event buffer farm core software user documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.11 Perform event buffer farm core software tests and verif	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.12 Review event buffer farm core software, tests and docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.8 Integrate run control support in the event buffer farm c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.9 Write event buffer farm core software test and verificat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.14 Integrate run control support in the event buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.15 Write event buffer farm core software test and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.1 Write first release event buffer farm server code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.2 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.3 Write event buffer farm server user documentation for so	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.4 Perform event buffer farm server tests and verification	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.5 Review event buffer farm server, tests and documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.7 Write first release event buffer farm server code - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.8 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.1 Integrate new effort for Buffer Farm Software-Part 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.2 Integrate new DAQ data formats into Buffer Farm Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.3 Buffer Farm Software-first release-Part 3-Write code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.4 Buffer Farm Software-first release-Part 3-Write and perfor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.5 Buffer Farm Software-first release-Part 3-Write user docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.6 Buffer Farm Software-first release-Part 3-Update kernel de	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.1 Data logger requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.2 Review data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.3 Finalize data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.1 Data logger design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.2 Review data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.3 Finalize data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.1 Develop initial global trigger server framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.2 Write global trigger system test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.3 Write global trigger system user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.4 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.5 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.1 Develop beam signal trigger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.2 Integrate error handling and monitoring support in the glo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.3 Integrate run control support in the global trigger server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.4 Update global trigger system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.5 Update global trigger system user documentation for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.6 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.7 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.1 DAQ monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.2 Review DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.3 Finalize DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.1 DAQ monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.2 Review DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.3 Finalize DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.7.1.4.3.2 Evaluate run control system candidates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.3 Review run control system evaluations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.1 Develop initial run control system framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.2 Develop initial run control command line interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.3 Develop run control system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.4 Write run control system user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.5 Perform run control system tests and verification for firs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.6 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.10 Develop run control system test and verification suite -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.8 Develop initial run control system framework - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.9 Develop initial run control command line interface - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.10 Write event buffer farm core software user documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.11 Perform event buffer farm core software tests and verif	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.12 Review event buffer farm core software, tests and docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.8 Integrate run control support in the event buffer farm c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.9 Write event buffer farm core software test and verificat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.14 Integrate run control support in the event buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.15 Write event buffer farm core software test and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.1 Write first release event buffer farm server code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.2 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.3 Write event buffer farm server user documentation for so	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.4 Perform event buffer farm server tests and verification	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.5 Review event buffer farm server, tests and documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.7 Write first release event buffer farm server code - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.8 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.1 Integrate new effort for Buffer Farm Software-Part 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.2 Integrate new DAQ data formats into Buffer Farm Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.3 Buffer Farm Software-first release-Part 3-Write code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.4 Buffer Farm Software-first release-Part 3-Write and perfor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.5 Buffer Farm Software-first release-Part 3-Write user docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.6 Buffer Farm Software-first release-Part 3-Update kernel de	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.1 Data logger requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.2 Review data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.3 Finalize data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.1 Data logger design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.2 Review data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.3 Finalize data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.1 Develop initial global trigger server framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.2 Write global trigger system test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.3 Write global trigger system user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.4 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.5 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.1 Develop beam signal trigger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.2 Integrate error handling and monitoring support in the glo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.3 Integrate run control support in the global trigger server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.4 Update global trigger system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.5 Update global trigger system user documentation for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.6 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.7 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.1 DAQ monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.2 Review DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.3 Finalize DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.1 DAQ monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.2 Review DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.3 Finalize DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.7.1.4.3.2 Evaluate run control system candidates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.3 Review run control system evaluations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.1 Develop initial run control system framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.2 Develop initial run control command line interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.3 Develop run control system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.4 Write run control system user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.5 Perform run control system tests and verification for firs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.6 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.10 Develop run control system test and verification suite -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.8 Develop initial run control system framework - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.9 Develop initial run control command line interface - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.10 Write event buffer farm core software user documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.11 Perform event buffer farm core software tests and verif	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.12 Review event buffer farm core software, tests and docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.8 Integrate run control support in the event buffer farm c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.9 Write event buffer farm core software test and verificat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.14 Integrate run control support in the event buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.15 Write event buffer farm core software test and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.1 Write first release event buffer farm server code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.2 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.3 Write event buffer farm server user documentation for so	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.4 Perform event buffer farm server tests and verification	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.5 Review event buffer farm server, tests and documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.7 Write first release event buffer farm server code - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.8 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.1 Integrate new effort for Buffer Farm Software-Part 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.2 Integrate new DAQ data formats into Buffer Farm Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.3 Buffer Farm Software-first release-Part 3-Write code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.4 Buffer Farm Software-first release-Part 3-Write and perfor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.5 Buffer Farm Software-first release-Part 3-Write user docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.6 Buffer Farm Software-first release-Part 3-Update kernel de	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.1 Data logger requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.2 Review data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.3 Finalize data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.1 Data logger design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.2 Review data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.3 Finalize data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.1 Develop initial global trigger server framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.2 Write global trigger system test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.3 Write global trigger system user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.4 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.5 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.1 Develop beam signal trigger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.2 Integrate error handling and monitoring support in the glo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.3 Integrate run control support in the global trigger server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.4 Update global trigger system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.5 Update global trigger system user documentation for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.6 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.7 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.1 DAQ monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.2 Review DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.3 Finalize DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.1 DAQ monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.2 Review DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.3 Finalize DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.7.1.4.3.2 Evaluate run control system candidates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.3.3 Review run control system evaluations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.1 Develop initial run control system framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.2 Develop initial run control command line interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.3 Develop run control system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.4 Write run control system user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.5 Perform run control system tests and verification for firs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.6 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.10 Develop run control system test and verification suite -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.8 Develop initial run control system framework - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.4.4.9 Develop initial run control command line interface - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.10 Write event buffer farm core software user documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.11 Perform event buffer farm core software tests and verif	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.12 Review event buffer farm core software, tests and docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.8 Integrate run control support in the event buffer farm c	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.9 Write event buffer farm core software test and verificat	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.14 Integrate run control support in the event buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.3.1.15 Write event buffer farm core software test and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.1 Write first release event buffer farm server code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.2 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.3 Write event buffer farm server user documentation for so	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.4 Perform event buffer farm server tests and verification	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.5 Review event buffer farm server, tests and documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.7 Write first release event buffer farm server code - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.4.1.8 Write event buffer farm server test and verification sui	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.1 Integrate new effort for Buffer Farm Software-Part 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.2 Integrate new DAQ data formats into Buffer Farm Software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.3 Buffer Farm Software-first release-Part 3-Write code	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.4 Buffer Farm Software-first release-Part 3-Write and perfor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.5 Buffer Farm Software-first release-Part 3-Write user docum	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.6.6.6 Buffer Farm Software-first release-Part 3-Update kernel de	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.1 Data logger requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.2 Review data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.1.3 Finalize data logger requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.1 Data logger design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.2 Review data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.7.2.3 Finalize data logger design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.1 Develop initial global trigger server framework	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.2 Write global trigger system test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.3 Write global trigger system user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.4 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.3.5 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.1 Develop beam signal trigger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.2 Integrate error handling and monitoring support in the glo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.3 Integrate run control support in the global trigger server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.4 Update global trigger system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.5 Update global trigger system user documentation for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.6 Perform global trigger system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.8.4.7 Review global trigger system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.1 DAQ monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.2 Review DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.1.3 Finalize DAQ monitor requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.1 DAQ monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.2 Review DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.2.3 Finalize DAQ monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.7.1.4.3.2 Evaluate run control system candidates	BCWS	0	0	19,678
1.7.1.4.3.3 Review run control system evaluations	BCWS	0	0	1,968
1.7.1.4.4.1 Develop initial run control system framework	BCWS	0	0	16,181
1.7.1.4.4.2 Develop initial run control command line interface	BCWS	0	0	8,249
1.7.1.4.4.3 Develop run control system test and verification suite	BCWS	0	0	8,249
1.7.1.4.4.4 Write run control system user documentation	BCWS	0	0	5,403
1.7.1.4.4.5 Perform run control system tests and verification for firs	BCWS	0	0	2,161
1.7.1.4.4.6 Review run control system software, tests and documentatio	BCWS	0	0	4,322
1.7.1.4.4.10 Develop run control system test and verification suite -	BCWS	0	0	2,161
1.7.1.4.4.8 Develop initial run control system framework - Part 2	BCWS	0	0	4,322
1.7.1.4.4.9 Develop initial run control command line interface - Part	BCWS	0	0	2,161
1.7.1.6.3.1.10 Write event buffer farm core software user documentatio	BCWS	0	0	5,403
1.7.1.6.3.1.11 Perform event buffer farm core software tests and verif	BCWS	0	0	2,161
1.7.1.6.3.1.12 Review event buffer farm core software, tests and docum	BCWS	0	0	5,064
1.7.1.6.3.1.8 Integrate run control support in the event buffer farm c	BCWS	0	0	5,156
1.7.1.6.3.1.9 Write event buffer farm core software test and verificat	BCWS	0	0	5,156
1.7.1.6.3.1.14 Integrate run control support in the event buffer farm	BCWS	0	0	5,403
1.7.1.6.3.1.15 Write event buffer farm core software test and verifica	BCWS	0	0	5,403
1.7.1.6.4.1.1 Write first release event buffer farm server code	BCWS	0	0	16,018
1.7.1.6.4.1.2 Write event buffer farm server test and verification sui	BCWS	0	0	8,013
1.7.1.6.4.1.3 Write event buffer farm server user documentation for so	BCWS	0	0	5,403
1.7.1.6.4.1.4 Perform event buffer farm server tests and verification	BCWS	0	0	5,403
1.7.1.6.4.1.5 Review event buffer farm server, tests and documentation	BCWS	0	0	5,403
1.7.1.6.4.1.7 Write first release event buffer farm server code - Part	BCWS	0	0	4,322
1.7.1.6.4.1.8 Write event buffer farm server test and verification sui	BCWS	0	0	2,161
1.7.1.6.6.1 Integrate new effort for Buffer Farm Software-Part 3	BCWS	0	0	15,976
1.7.1.6.6.2 Integrate new DAQ data formats into Buffer Farm Software	BCWS	0	0	7,988
1.7.1.6.6.3 Buffer Farm Software-first release-Part 3-Write code	BCWS	0	0	15,976
1.7.1.6.6.4 Buffer Farm Software-first release-Part 3-Write and perfor	BCWS	0	0	3,994
1.7.1.6.6.5 Buffer Farm Software-first release-Part 3-Write user docum	BCWS	0	0	3,994
1.7.1.6.6.6 Buffer Farm Software-first release-Part 3-Update kernel de	BCWS	0	0	10,651
1.7.1.7.1.1 Data logger requirements document draft	BCWS	0	0	0
1.7.1.7.1.2 Review data logger requirements document	BCWS	0	0	0
1.7.1.7.1.3 Finalize data logger requirements document	BCWS	0	0	0
1.7.1.7.2.1 Data logger design document draft	BCWS	0	0	0
1.7.1.7.2.2 Review data logger design document	BCWS	0	0	0
1.7.1.7.2.3 Finalize data logger design document	BCWS	0	0	0
1.7.1.8.3.1 Develop initial global trigger server framework	BCWS	0	0	0
1.7.1.8.3.2 Write global trigger system test and verification suite fo	BCWS	0	0	0
1.7.1.8.3.3 Write global trigger system user documentation for softwar	BCWS	0	0	0
1.7.1.8.3.4 Perform global trigger system tests and verification for s	BCWS	0	0	0
1.7.1.8.3.5 Review global trigger system, tests and documentation for	BCWS	0	0	0
1.7.1.8.4.1 Develop beam signal trigger	BCWS	0	0	0
1.7.1.8.4.2 Integrate error handling and monitoring support in the glo	BCWS	0	0	0
1.7.1.8.4.3 Integrate run control support in the global trigger server	BCWS	0	0	0
1.7.1.8.4.4 Update global trigger system test and verification suite f	BCWS	0	0	0
1.7.1.8.4.5 Update global trigger system user documentation for softwa	BCWS	0	0	0
1.7.1.8.4.6 Perform global trigger system tests and verification for s	BCWS	0	0	0
1.7.1.8.4.7 Review global trigger system, tests and documentation for	BCWS	0	0	0
1.7.1.9.1.1 DAQ monitor system requirements document draft	BCWS	0	0	10,806
1.7.1.9.1.2 Review DAQ monitor requirements document	BCWS	0	0	4,323
1.7.1.9.1.3 Finalize DAQ monitor requirements document	BCWS	0	0	4,323
1.7.1.9.2.1 DAQ monitor system design document draft	BCWS	0	0	25,875
1.7.1.9.2.2 Review DAQ monitor system design document	BCWS	0	0	5,187
1.7.1.9.2.3 Finalize DAQ monitor system design document	BCWS	0	0	5,383

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.7.1.9.3.1 Find candidates for DAQ monitor software and development l	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.2 Evaluate DAQ monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.3 Review DAQ monitor software and development languages eval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.1.1 Prepare specifications document	BCWS	0	4,762	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	4,728	4,255	0	0
1.7.2.1.5.2.2 Schematic entry - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.3 Board design	BCWS	0	0	0	0	0	0	0	3,970	3,573	0	0
1.7.2.1.5.4 Simulation	BCWS	0	0	0	0	0	0	0	7,092	6,383	0	0
1.7.2.1.5.5 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.6 Simulation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.3 Assemble IPND data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.1 Perform standalone boards tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.1 Generate schematic symbols	BCWS	0	3,999	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.2 Enter schematic	BCWS	0	0	0	0	0	0	0	8,983	17,967	0	0
1.7.2.2.2.3.3 Review schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.5 Enter schematic - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.1 Design FPGA firmware	BCWS	0	0	0	0	0	0	8,468	7,363	6,627	0	0
1.7.2.2.2.4.2 Design embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.3 Design FPGA firmware - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.5 Board design	BCWS	0	0	0	0	0	0	0	8,082	14,547	0	0
1.7.2.2.2.6 Packaging design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.7 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.8 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.1 Prepare PCB manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.2 Review PCB manufacturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.6 Assemble prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.1 Write test procedures document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.2 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.3 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.2 Order network test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.3 Order evaluation network equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.7.1.9.3.1 Find candidates for DAQ monitor software and development l	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.2 Evaluate DAQ monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.3 Review DAQ monitor software and development languages eval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.2 Schematic entry - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.5 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.6 Simulation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.3 Assemble IPND data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.1 Perform standalone boards tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.1 Generate schematic symbols	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.2 Enter schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.3 Review schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.5 Enter schematic - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.1 Design FPGA firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.2 Design embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.3 Design FPGA firmware - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.5 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.6 Packaging design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.7 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.8 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.1 Prepare PCB manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.2 Review PCB manufacturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.6 Assemble prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.1 Write test procedures document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.2 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.3 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.2 Order network test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.3 Order evaluation network equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.7.1.9.3.1 Find candidates for DAQ monitor software and development l	BCWS	0	0	0	0	0	0	0	0	4,271	7,378	1,942
1.7.1.9.3.2 Evaluate DAQ monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	5,663
1.7.1.9.3.3 Review DAQ monitor software and development languages eval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.2 Schematic entry - Part 2	BCWS	1,046	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.5 Board design - Part 2	BCWS	878	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.6 Simulation - Part 2	BCWS	1,569	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.1 Write purchase requests	BCWS	2,092	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.2 Obtain project approvals	BCWS	1,046	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.3 Write purchase orders	BCWS	1,255	837	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.4 Place purchase orders	BCWS	0	18,554	0	0	0	0	0	0	0	0	0
1.7.2.1.6.3 Assemble IPND data concentrators	BCWS	0	0	7,905	13,175	5,323	0	0	0	0	0	0
1.7.2.1.7.1 Perform standalone boards tests	BCWS	0	0	0	0	22,280	25,463	0	0	0	0	0
1.7.2.1.7.2 Perform interface tests	BCWS	0	0	0	0	0	5,831	13,605	0	0	0	0
1.7.2.2.2.3.1 Generate schematic symbols	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.2 Enter schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.3 Review schematic	BCWS	2,092	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.5 Enter schematic - Part 2	BCWS	3,138	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.1 Design FPGA firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.2 Design embedded software	BCWS	16,209	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.3 Design FPGA firmware - Part 2	BCWS	7,845	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.5 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.6 Packaging design	BCWS	7,319	1,464	0	0	0	0	0	0	0	0	0
1.7.2.2.2.7 Simulation	BCWS	9,510	11,412	0	0	0	0	0	0	0	0	0
1.7.2.2.2.8 Board design - Part 2	BCWS	2,635	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.1 Prepare PCB manufacturing requirements document	BCWS	3,074	1,317	0	0	0	0	0	0	0	0	0
1.7.2.2.3.2 Review PCB manufacturing	BCWS	0	1,046	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.1 Write purchase requests	BCWS	0	2,092	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.2 Obtain project approvals	BCWS	0	941	105	0	0	0	0	0	0	0	0
1.7.2.2.3.4.3 Write purchase orders	BCWS	0	0	2,092	0	0	0	0	0	0	0	0
1.7.2.2.3.4.4 Place purchase orders	BCWS	0	0	16,428	4,107	0	0	0	0	0	0	0
1.7.2.2.3.6 Assemble prototypes	BCWS	0	0	0	3,952	9,314	0	0	0	0	0	0
1.7.2.2.4.1 Write test procedures document	BCWS	0	14,852	0	0	0	0	0	0	0	0	0
1.7.2.2.4.2 Perform standalone board tests	BCWS	0	0	0	0	9,183	25,253	0	0	0	0	0
1.7.2.2.4.3 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	18,967
1.7.2.3.1.1 Prepare requirements document	BCWS	10,461	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.2 Review requirements	BCWS	385	1,540	0	0	0	0	0	0	0	0	0
1.7.2.3.2 Order network test equipment	BCWS	0	32,035	0	0	0	0	0	0	0	0	0
1.7.2.3.3 Order evaluation network equipment	BCWS	0	12,134	0	0	0	0	0	0	0	0	0
1.7.2.4.1.1 Prepare requirements document	BCWS	0	0	0	19,244	0	0	0	0	0	0	0
1.7.2.4.1.2 Review requirements	BCWS	0	0	0	0	1,944	0	0	0	0	0	0
1.7.2.4.2 Order evaluation components	BCWS	0	0	0	0	17,932	0	0	0	0	0	0
1.7.2.4.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	15,174
1.7.2.5.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	10,565	0	0	0
1.7.2.5.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	389	1,517	0	0
1.7.2.5.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	35,460	0	0
1.7.2.5.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	16,122	2,845
1.7.2.6.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	8,764
1.7.2.6.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.7.1.9.3.1 Find candidates for DAQ monitor software and development l	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.2 Evaluate DAQ monitor software and development languages	BCWS	1,133	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.3 Review DAQ monitor software and development languages eval	BCWS	5,436	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.2 Schematic entry - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.5 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.6 Simulation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.3 Assemble IPND data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.1 Perform standalone boards tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.1 Generate schematic symbols	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.2 Enter schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.3 Review schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.5 Enter schematic - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.1 Design FPGA firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.2 Design embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.3 Design FPGA firmware - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.5 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.6 Packaging design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.7 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.8 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.1 Prepare PCB manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.2 Review PCB manufacturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.6 Assemble prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.1 Write test procedures document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.2 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.3 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.2 Order network test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.3 Order evaluation network equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.4 Test evaluation components	BCWS	18,019	4,742	0	0	0	0	0	0	0	0	0
1.7.2.5.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.1 Prepare requirements document	BCWS	1,547	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.2 Review requirements	BCWS	1,897	0	0	0	0	0	0	0	0	0	0
1.7.2.6.2 Order evaluation components	BCWS	11,593	0	0	0	0	0	0	0	0	0	0
1.7.2.6.4 Test evaluation components	BCWS	0	10,432	8,535	0	0	0	0	0	0	0	0
1.7.2.7.1.1 Prepare requirements document	BCWS	0	0	3,093	0	0	0	0	0	0	0	0

Program:	Description:
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3/8/2011	12/31/2010

WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.7.1.9.3.1 Find candidates for DAQ monitor software and development l	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.2 Evaluate DAQ monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.3 Review DAQ monitor software and development languages eval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.2 Schematic entry - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.5 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.6 Simulation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.3 Assemble IPND data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.1 Perform standalone boards tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.1 Generate schematic symbols	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.2 Enter schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.3 Review schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.5 Enter schematic - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.1 Design FPGA firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.2 Design embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.3 Design FPGA firmware - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.5 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.6 Packaging design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.7 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.8 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.1 Prepare PCB manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.2 Review PCB manufacturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.6 Assemble prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.1 Write test procedures document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.2 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.3 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.2 Order network test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.3 Order evaluation network equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.7.1.9.3.1 Find candidates for DAQ monitor software and development l	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.2 Evaluate DAQ monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.3 Review DAQ monitor software and development languages eval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.2 Schematic entry - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.5 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.6 Simulation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.3 Assemble IPND data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.1 Perform standalone boards tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.1 Generate schematic symbols	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.2 Enter schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.3 Review schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.5 Enter schematic - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.1 Design FPGA firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.2 Design embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.3 Design FPGA firmware - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.5 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.6 Packaging design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.7 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.8 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.1 Prepare PCB manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.2 Review PCB manufacturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.6 Assemble prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.1 Write test procedures document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.2 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.3 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.2 Order network test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.3 Order evaluation network equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.7.1.9.3.1 Find candidates for DAQ monitor software and development l	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.2 Evaluate DAQ monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.3 Review DAQ monitor software and development languages eval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.2 Schematic entry - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.5 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.6 Simulation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.3 Assemble IPND data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.1 Perform standalone boards tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.1 Generate schematic symbols	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.2 Enter schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.3 Review schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.5 Enter schematic - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.1 Design FPGA firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.2 Design embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.3 Design FPGA firmware - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.5 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.6 Packaging design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.7 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.8 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.1 Prepare PCB manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.2 Review PCB manufacturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.6 Assemble prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.1 Write test procedures document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.2 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.3 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.2 Order network test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.3 Order evaluation network equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.7.1.9.3.1 Find candidates for DAQ monitor software and development l	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.2 Evaluate DAQ monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.1.9.3.3 Review DAQ monitor software and development languages eval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.2.2 Schematic entry - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.5 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.5.6 Simulation - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.6.3 Assemble IPND data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.1 Perform standalone boards tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.1.7.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.1 Generate schematic symbols	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.2 Enter schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.3 Review schematic	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.3.5 Enter schematic - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.1 Design FPGA firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.2 Design embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.4.3 Design FPGA firmware - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.5 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.6 Packaging design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.7 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.2.8 Board design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.1 Prepare PCB manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.2 Review PCB manufacturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.4.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.3.6 Assemble prototypes	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.1 Write test procedures document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.2 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.2.4.3 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.2 Order network test equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.3.3 Order evaluation network equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.4.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.5.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.6.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.1.1 Prepare requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
NV-DEC10	NOvA projec			
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WP[20]		AUG14	SEP14	Cumulative
1.7.1.9.3.1 Find candidates for DAQ monitor software and development l	BCWS	0	0	13,591
1.7.1.9.3.2 Evaluate DAQ monitor software and development languages	BCWS	0	0	6,795
1.7.1.9.3.3 Review DAQ monitor software and development languages eval	BCWS	0	0	5,436
1.7.2.1.5.1.1 Prepare specifications document	BCWS	0	0	4,762
1.7.2.1.5.2.1 Schematic entry	BCWS	0	0	8,983
1.7.2.1.5.2.2 Schematic entry - Part 2	BCWS	0	0	1,046
1.7.2.1.5.3 Board design	BCWS	0	0	7,543
1.7.2.1.5.4 Simulation	BCWS	0	0	13,475
1.7.2.1.5.5 Board design - Part 2	BCWS	0	0	878
1.7.2.1.5.6 Simulation - Part 2	BCWS	0	0	1,569
1.7.2.1.6.1.1 Write purchase requests	BCWS	0	0	2,092
1.7.2.1.6.1.2 Obtain project approvals	BCWS	0	0	1,046
1.7.2.1.6.1.3 Write purchase orders	BCWS	0	0	2,092
1.7.2.1.6.1.4 Place purchase orders	BCWS	0	0	18,554
1.7.2.1.6.3 Assemble IPND data concentrators	BCWS	0	0	26,402
1.7.2.1.7.1 Perform standalone boards tests	BCWS	0	0	47,742
1.7.2.1.7.2 Perform interface tests	BCWS	0	0	19,436
1.7.2.2.2.3.1 Generate schematic symbols	BCWS	0	0	3,999
1.7.2.2.2.3.2 Enter schematic	BCWS	0	0	26,950
1.7.2.2.2.3.3 Review schematic	BCWS	0	0	2,092
1.7.2.2.2.3.5 Enter schematic - Part 2	BCWS	0	0	3,138
1.7.2.2.2.4.1 Design FPGA firmware	BCWS	0	0	22,458
1.7.2.2.2.4.2 Design embedded software	BCWS	0	0	16,209
1.7.2.2.2.4.3 Design FPGA firmware - Part 2	BCWS	0	0	7,845
1.7.2.2.2.5 Board design	BCWS	0	0	22,629
1.7.2.2.2.6 Packaging design	BCWS	0	0	8,783
1.7.2.2.2.7 Simulation	BCWS	0	0	20,921
1.7.2.2.2.8 Board design - Part 2	BCWS	0	0	2,635
1.7.2.2.3.1 Prepare PCB manufacturing requirements document	BCWS	0	0	4,392
1.7.2.2.3.2 Review PCB manufacturing	BCWS	0	0	1,046
1.7.2.2.3.4.1 Write purchase requests	BCWS	0	0	2,092
1.7.2.2.3.4.2 Obtain project approvals	BCWS	0	0	1,046
1.7.2.2.3.4.3 Write purchase orders	BCWS	0	0	2,092
1.7.2.2.3.4.4 Place purchase orders	BCWS	0	0	20,535
1.7.2.2.3.6 Assemble prototypes	BCWS	0	0	13,267
1.7.2.2.4.1 Write test procedures document	BCWS	0	0	14,852
1.7.2.2.4.2 Perform standalone board tests	BCWS	0	0	34,436
1.7.2.2.4.3 Perform interface tests	BCWS	0	0	18,967
1.7.2.3.1.1 Prepare requirements document	BCWS	0	0	10,461
1.7.2.3.1.2 Review requirements	BCWS	0	0	1,924
1.7.2.3.2 Order network test equipment	BCWS	0	0	32,035
1.7.2.3.3 Order evaluation network equipment	BCWS	0	0	12,134
1.7.2.4.1.1 Prepare requirements document	BCWS	0	0	19,244
1.7.2.4.1.2 Review requirements	BCWS	0	0	1,944
1.7.2.4.2 Order evaluation components	BCWS	0	0	17,932
1.7.2.4.4 Test evaluation components	BCWS	0	0	37,934
1.7.2.5.1.1 Prepare requirements document	BCWS	0	0	10,565
1.7.2.5.1.2 Review requirements	BCWS	0	0	1,906
1.7.2.5.2 Order evaluation components	BCWS	0	0	35,460
1.7.2.5.4 Test evaluation components	BCWS	0	0	18,967
1.7.2.6.1.1 Prepare requirements document	BCWS	0	0	10,310
1.7.2.6.1.2 Review requirements	BCWS	0	0	1,897
1.7.2.6.2 Order evaluation components	BCWS	0	0	11,593
1.7.2.6.4 Test evaluation components	BCWS	0	0	18,967
1.7.2.7.1.1 Prepare requirements document	BCWS	0	0	3,093

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.7.2.7.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.8.1 Procure database computers	BCWS	0	1,585	1,297	0	0	0	0	0	0	0	0
1.7.3.1 Install and test integration test facility (ITF) (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.2.1 Write performance requirements and benchmark tests document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.1 Integrate data concentrators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.2 Integrate data and control network (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.3 Integrate timing system (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.1 Integrate RCS single node (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.2 Integrate event building (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.3 Integrate trigger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.10 Perform security audit for detector control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.1 Procure detector controls counting house computing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.2 Procure detector controls readout systems and sensor packs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.1 Setup and configure DCS master server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.2 Setup and configure DCS readout servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.3 Setup and configure DCSNet for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.4 Install servers and switches in IPND electronics and cont	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.1 Setup water cooling monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.2 Setup power supply monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.3 Setup general environmental and detector sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.4 Setup DCM/FEB monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.5 Test DCS systems on IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.6 Certify DCS for production operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.7 Conduct DCS production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.10 Purchase prototype detector controls channel server compu	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.11 Purchase prototype readout interface boards for channel s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.6 Develop detector controls test stand	BCWS	0	177	206	206	226	187	231	201	181	0	0
1.7.4.3.7 Develop detector controls test stand - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.1 Develop channel server master (EPICs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.1 Develop DCM IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.2 Develop FEB IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.3 Develop HV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.4 Develop LV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.5 Develop water cooling IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.6 Develop enviromental sensors IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.10 Develop LV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.11 Develop enviromental sensors IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.7 Develop DCM IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.8 Develop FEB IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.9 Develop HV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.1 Determine load scaling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.2 Develop system failure and fall over recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.1 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.2 Develop general intergrated basic controls clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.3 Develop individual system alarm clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.4 Develop general intergrated alarms client	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.5 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.6 Develop general intergrated basic controls clients - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.7 Develop individual system alarm clients - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.8 Develop general intergrated alarms client - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.5 Develop channel server master (EPICs) - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.1 Develop detector controls monitoring GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.2 Develop detector controls logging and history GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.7.2.7.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.1 Install and test integration test facility (ITF) (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.2.1 Write performance requirements and benchmark tests document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.1 Integrate data concentrators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.2 Integrate data and control network (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.3 Integrate timing system (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.1 Integrate RCS single node (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.2 Integrate event building (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.3 Integrate trigger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.10 Perform security audit for detector control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.1 Procure detector controls counting house computing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.2 Procure detector controls readout systems and sensor packs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.1 Setup and configure DCS master server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.2 Setup and configure DCS readout servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.3 Setup and configure DCSNet for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.4 Install servers and switches in IPND electronics and cont	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.1 Setup water cooling monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.2 Setup power supply monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.3 Setup general environmental and detector sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.4 Setup DCM/FEB monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.5 Test DCS systems on IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.6 Certify DCS for production operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.7 Conduct DCS production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.10 Purchase prototype detector controls channel server compu	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.11 Purchase prototype readout interface boards for channel s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.6 Develop detector controls test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.7 Develop detector controls test stand - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.1 Develop channel server master (EPICs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.1 Develop DCM IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.2 Develop FEB IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.3 Develop HV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.4 Develop LV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.5 Develop water cooling IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.6 Develop enviromental sensors IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.10 Develop LV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.11 Develop enviromental sensors IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.7 Develop DCM IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.8 Develop FEB IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.9 Develop HV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.1 Determine load scaling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.2 Develop system failure and fall over recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.1 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.2 Develop general intergrated basic controls clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.3 Develop individual system alarm clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.4 Develop general intergrated alarms client	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.5 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.6 Develop general intergrated basic controls clients - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.7 Develop individual system alarm clients - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.8 Develop general intergrated alarms client - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.5 Develop channel server master (EPICs) - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.1 Develop detector controls monitoring GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.2 Develop detector controls logging and history GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.7.2.7.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.1 Install and test integration test facility (ITF) (OBSOLETE)	BCWS	0	23,231	34,846	0	0	0	0	0	0	0	0
1.7.3.2.1 Write performance requirements and benchmark tests document	BCWS	0	0	0	0	0	0	0	0	9,586	1,065	0
1.7.3.3.1 Integrate data concentrators (OBSOLETE)	BCWS	0	0	9,622	19,244	21,379	7,774	0	0	0	0	0
1.7.3.3.2 Integrate data and control network (OBSOLETE)	BCWS	0	0	0	13,947	15,495	12,678	0	0	0	0	0
1.7.3.3.3 Integrate timing system (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.1 Integrate RCS single node (OBSOLETE)	BCWS	0	0	7,204	14,408	16,007	5,821	0	0	0	0	0
1.7.3.4.2 Integrate event building (OBSOLETE)	BCWS	0	0	5,403	10,806	5,457	0	0	0	0	0	0
1.7.3.4.3 Integrate trigger (OBSOLETE)	BCWS	0	0	0	5,943	12,005	3,820	0	0	0	0	0
1.7.4.10 Perform security audit for detector control system	BCWS	0	0	0	0	3,298	0	0	0	0	0	0
1.7.4.12.1 Procure detector controls counting house computing hardware	BCWS	0	0	0	0	2,040	3,740	3,570	3,570	2,430	0	0
1.7.4.12.2 Procure detector controls readout systems and sensor packs	BCWS	0	0	0	0	1,464	2,685	2,563	2,563	1,744	0	0
1.7.4.12.3.1 Setup and configure DCS master server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.2 Setup and configure DCS readout servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.3 Setup and configure DCSNet for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.4 Install servers and switches in IPND electronics and cont	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.1 Setup water cooling monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.2 Setup power supply monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.3 Setup general environmental and detector sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.4 Setup DCM/FEB monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.5 Test DCS systems on IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.6 Certify DCS for production operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.7 Conduct DCS production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.10 Purchase prototype detector controls channel server compu	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.11 Purchase prototype readout interface boards for channel s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.6 Develop detector controls test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.7 Develop detector controls test stand - Part 2	BCWS	1,670	0	0	0	0	0	0	0	0	0	0
1.7.4.4.1 Develop channel server master (EPICs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.1 Develop DCM IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.2 Develop FEB IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.3 Develop HV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.4 Develop LV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.5 Develop water cooling IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.6 Develop enviromental sensors IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.10 Develop LV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.11 Develop enviromental sensors IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.7 Develop DCM IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.8 Develop FEB IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.9 Develop HV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.1 Determine load scaling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.2 Develop system failure and fall over recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.1 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.2 Develop general intergrated basic controls clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.3 Develop individual system alarm clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.4 Develop general intergrated alarms client	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.5 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.6 Develop general intergrated basic controls clients - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.7 Develop individual system alarm clients - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.8 Develop general intergrated alarms client - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.5 Develop channel server master (EPICs) - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.1 Develop detector controls monitoring GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.2 Develop detector controls logging and history GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.7.2.7.1.2 Review requirements	BCWS	0	0	1,031	0	0	0	0	0	0	0	0
1.7.2.7.2 Order evaluation components	BCWS	0	0	2,511	3,766	0	0	0	0	0	0	0
1.7.2.7.4 Test evaluation components	BCWS	0	0	0	2,597	0	0	0	0	0	0	0
1.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.1 Install and test integration test facility (ITF) (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.2.1 Write performance requirements and benchmark tests document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.1 Integrate data concentrators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.2 Integrate data and control network (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.3 Integrate timing system (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.1 Integrate RCS single node (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.2 Integrate event building (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.3 Integrate trigger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.10 Perform security audit for detector control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.1 Procure detector controls counting house computing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.2 Procure detector controls readout systems and sensor packs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.1 Setup and configure DCS master server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.2 Setup and configure DCS readout servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.3 Setup and configure DCSNet for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.4 Install servers and switches in IPND electronics and cont	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.1 Setup water cooling monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.2 Setup power supply monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.3 Setup general environmental and detector sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.4 Setup DCM/FEB monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.5 Test DCS systems on IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.6 Certify DCS for production operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.7 Conduct DCS production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.10 Purchase prototype detector controls channel server compu	BCWS	0	0	7,776	0	0	0	0	0	0	0	0
1.7.4.3.5.11 Purchase prototype readout interface boards for channel s	BCWS	0	0	479	0	0	0	0	0	0	0	0
1.7.4.3.6 Develop detector controls test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.7 Develop detector controls test stand - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.1 Develop channel server master (EPICs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.1 Develop DCM IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.2 Develop FEB IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.3 Develop HV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.4 Develop LV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.5 Develop water cooling IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.6 Develop enviromental sensors IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.10 Develop LV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.11 Develop enviromental sensors IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.7 Develop DCM IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.8 Develop FEB IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.9 Develop HV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.1 Determine load scaling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.2 Develop system failure and fall over recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.1 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.2 Develop general intergrated basic controls clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.3 Develop individual system alarm clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.4 Develop general intergrated alarms client	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.5 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.6 Develop general intergrated basic controls clients - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.7 Develop individual system alarm clients - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.8 Develop general intergrated alarms client - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.5 Develop channel server master (EPICs) - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.1 Develop detector controls monitoring GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.2 Develop detector controls logging and history GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.7.2.7.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.1 Install and test integration test facility (ITF) (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.2.1 Write performance requirements and benchmark tests document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.1 Integrate data concentrators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.2 Integrate data and control network (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.3 Integrate timing system (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.1 Integrate RCS single node (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.2 Integrate event building (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.3 Integrate trigger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.10 Perform security audit for detector control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.1 Procure detector controls counting house computing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.2 Procure detector controls readout systems and sensor packs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.1 Setup and configure DCS master server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.2 Setup and configure DCS readout servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.3 Setup and configure DCSNet for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.4 Install servers and switches in IPND electronics and cont	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.1 Setup water cooling monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.2 Setup power supply monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.3 Setup general environmental and detector sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.4 Setup DCM/FEB monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.5 Test DCS systems on IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.6 Certify DCS for production operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.7 Conduct DCS production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.10 Purchase prototype detector controls channel server compu	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.11 Purchase prototype readout interface boards for channel s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.6 Develop detector controls test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.7 Develop detector controls test stand - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.1 Develop channel server master (EPICs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.1 Develop DCM IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.2 Develop FEB IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.3 Develop HV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.4 Develop LV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.5 Develop water cooling IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.6 Develop enviromental sensors IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.10 Develop LV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.11 Develop enviromental sensors IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.7 Develop DCM IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.8 Develop FEB IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.9 Develop HV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.1 Determine load scaling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.2 Develop system failure and fall over recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.1 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.2 Develop general intergrated basic controls clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.3 Develop individual system alarm clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.4 Develop general intergrated alarms client	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.5 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.6 Develop general intergrated basic controls clients - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.7 Develop individual system alarm clients - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.8 Develop general intergrated alarms client - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.5 Develop channel server master (EPICs) - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.1 Develop detector controls monitoring GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.2 Develop detector controls logging and history GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.7.2.7.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.1 Install and test integration test facility (ITF) (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.2.1 Write performance requirements and benchmark tests document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.1 Integrate data concentrators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.2 Integrate data and control network (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.3 Integrate timing system (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.1 Integrate RCS single node (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.2 Integrate event building (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.3 Integrate trigger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.10 Perform security audit for detector control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.1 Procure detector controls counting house computing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.2 Procure detector controls readout systems and sensor packs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.1 Setup and configure DCS master server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.2 Setup and configure DCS readout servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.3 Setup and configure DCSNet for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.4 Install servers and switches in IPND electronics and cont	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.1 Setup water cooling monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.2 Setup power supply monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.3 Setup general environmental and detector sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.4 Setup DCM/FEB monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.5 Test DCS systems on IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.6 Certify DCS for production operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.7 Conduct DCS production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.10 Purchase prototype detector controls channel server compu	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.11 Purchase prototype readout interface boards for channel s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.6 Develop detector controls test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.7 Develop detector controls test stand - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.1 Develop channel server master (EPICs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.1 Develop DCM IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.2 Develop FEB IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.3 Develop HV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.4 Develop LV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.5 Develop water cooling IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.6 Develop enviromental sensors IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.10 Develop LV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.11 Develop enviromental sensors IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.7 Develop DCM IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.8 Develop FEB IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.9 Develop HV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.1 Determine load scaling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.2 Develop system failure and fall over recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.1 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.2 Develop general intergrated basic controls clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.3 Develop individual system alarm clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.4 Develop general intergrated alarms client	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.5 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.6 Develop general intergrated basic controls clients - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.7 Develop individual system alarm clients - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.8 Develop general intergrated alarms client - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.5 Develop channel server master (EPICs) - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.1 Develop detector controls monitoring GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.2 Develop detector controls logging and history GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.7.2.7.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.1 Install and test integration test facility (ITF) (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.2.1 Write performance requirements and benchmark tests document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.1 Integrate data concentrators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.2 Integrate data and control network (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.3 Integrate timing system (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.1 Integrate RCS single node (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.2 Integrate event building (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.3 Integrate trigger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.10 Perform security audit for detector control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.1 Procure detector controls counting house computing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.2 Procure detector controls readout systems and sensor packs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.1 Setup and configure DCS master server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.2 Setup and configure DCS readout servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.3 Setup and configure DCSNet for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.4 Install servers and switches in IPND electronics and cont	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.1 Setup water cooling monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.2 Setup power supply monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.3 Setup general environmental and detector sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.4 Setup DCM/FEB monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.5 Test DCS systems on IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.6 Certify DCS for production operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.7 Conduct DCS production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.10 Purchase prototype detector controls channel server compu	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.11 Purchase prototype readout interface boards for channel s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.6 Develop detector controls test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.7 Develop detector controls test stand - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.1 Develop channel server master (EPICs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.1 Develop DCM IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.2 Develop FEB IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.3 Develop HV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.4 Develop LV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.5 Develop water cooling IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.6 Develop enviromental sensors IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.10 Develop LV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.11 Develop enviromental sensors IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.7 Develop DCM IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.8 Develop FEB IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.9 Develop HV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.1 Determine load scaling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.2 Develop system failure and fall over recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.1 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.2 Develop general intergrated basic controls clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.3 Develop individual system alarm clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.4 Develop general intergrated alarms client	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.5 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.6 Develop general intergrated basic controls clients - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.7 Develop individual system alarm clients - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.8 Develop general intergrated alarms client - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.5 Develop channel server master (EPICs) - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.1 Develop detector controls monitoring GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.2 Develop detector controls logging and history GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.7.2.7.1.2 Review requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.2 Order evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.7.4 Test evaluation components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.1 Install and test integration test facility (ITF) (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.2.1 Write performance requirements and benchmark tests document	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.1 Integrate data concentrators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.2 Integrate data and control network (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.3.3 Integrate timing system (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.1 Integrate RCS single node (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.2 Integrate event building (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.3.4.3 Integrate trigger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.10 Perform security audit for detector control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.1 Procure detector controls counting house computing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.2 Procure detector controls readout systems and sensor packs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.1 Setup and configure DCS master server	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.2 Setup and configure DCS readout servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.3 Setup and configure DCSNet for IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.3.4 Install servers and switches in IPND electronics and cont	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.1 Setup water cooling monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.2 Setup power supply monitors and sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.3 Setup general environmental and detector sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.4.4 Setup DCM/FEB monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.5 Test DCS systems on IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.6 Certify DCS for production operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.12.7 Conduct DCS production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.10 Purchase prototype detector controls channel server compu	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.5.11 Purchase prototype readout interface boards for channel s	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.6 Develop detector controls test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.3.7 Develop detector controls test stand - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.1 Develop channel server master (EPICs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.1 Develop DCM IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.2 Develop FEB IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.3 Develop HV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.4 Develop LV IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.5 Develop water cooling IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.6 Develop enviromental sensors IOC	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.10 Develop LV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.11 Develop enviromental sensors IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.7 Develop DCM IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.8 Develop FEB IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.2.9 Develop HV IOC - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.1 Determine load scaling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.3.2 Develop system failure and fall over recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.1 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.2 Develop general intergrated basic controls clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.3 Develop individual system alarm clients	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.4 Develop general intergrated alarms client	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.5 Develop individual system controls clients ("expert" clien	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.6 Develop general intergrated basic controls clients - Part	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.7 Develop individual system alarm clients - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.4.8 Develop general intergrated alarms client - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.4.5 Develop channel server master (EPICs) - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.1 Develop detector controls monitoring GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.5.2 Develop detector controls logging and history GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.7.2.7.1.2 Review requirements	BCWS	0	0	1,031
1.7.2.7.2 Order evaluation components	BCWS	0	0	6,277
1.7.2.7.4 Test evaluation components	BCWS	0	0	2,597
1.7.2.8.1 Procure database computers	BCWS	0	0	2,882
1.7.3.1 Install and test integration test facility (ITF) (OBSOLETE)	BCWS	0	0	58,077
1.7.3.2.1 Write performance requirements and benchmark tests document	BCWS	0	0	10,651
1.7.3.3.1 Integrate data concentrators (OBSOLETE)	BCWS	0	0	58,019
1.7.3.3.2 Integrate data and control network (OBSOLETE)	BCWS	0	0	42,121
1.7.3.3.3 Integrate timing system (OBSOLETE)	BCWS	0	0	0
1.7.3.4.1 Integrate RCS single node (OBSOLETE)	BCWS	0	0	43,440
1.7.3.4.2 Integrate event building (OBSOLETE)	BCWS	0	0	21,666
1.7.3.4.3 Integrate trigger (OBSOLETE)	BCWS	0	0	21,769
1.7.4.10 Perform security audit for detector control system	BCWS	0	0	3,298
1.7.4.12.1 Procure detector controls counting house computing hardware	BCWS	0	0	15,351
1.7.4.12.2 Procure detector controls readout systems and sensor packs	BCWS	0	0	11,019
1.7.4.12.3.1 Setup and configure DCS master server	BCWS	0	0	0
1.7.4.12.3.2 Setup and configure DCS readout servers	BCWS	0	0	0
1.7.4.12.3.3 Setup and configure DCSNet for IPND	BCWS	0	0	0
1.7.4.12.3.4 Install servers and switches in IPND electronics and cont	BCWS	0	0	0
1.7.4.12.4.1 Setup water cooling monitors and sensors	BCWS	0	0	0
1.7.4.12.4.2 Setup power supply monitors and sensors	BCWS	0	0	0
1.7.4.12.4.3 Setup general environmental and detector sensors	BCWS	0	0	0
1.7.4.12.4.4 Setup DCM/FEB monitors	BCWS	0	0	0
1.7.4.12.5 Test DCS systems on IPND	BCWS	0	0	0
1.7.4.12.6 Certify DCS for production operations	BCWS	0	0	0
1.7.4.12.7 Conduct DCS production readiness review	BCWS	0	0	0
1.7.4.3.5.10 Purchase prototype detector controls channel server compu	BCWS	0	0	7,776
1.7.4.3.5.11 Purchase prototype readout interface boards for channel s	BCWS	0	0	479
1.7.4.3.6 Develop detector controls test stand	BCWS	0	0	1,613
1.7.4.3.7 Develop detector controls test stand - Part 2	BCWS	0	0	1,670
1.7.4.4.1 Develop channel server master (EPICs)	BCWS	0	0	0
1.7.4.4.2.1 Develop DCM IOC	BCWS	0	0	0
1.7.4.4.2.2 Develop FEB IOC	BCWS	0	0	0
1.7.4.4.2.3 Develop HV IOC	BCWS	0	0	0
1.7.4.4.2.4 Develop LV IOC	BCWS	0	0	0
1.7.4.4.2.5 Develop water cooling IOC	BCWS	0	0	0
1.7.4.4.2.6 Develop enviromental sensors IOC	BCWS	0	0	0
1.7.4.4.2.10 Develop LV IOC - Part 2	BCWS	0	0	0
1.7.4.4.2.11 Develop enviromental sensors IOC - Part 2	BCWS	0	0	0
1.7.4.4.2.7 Develop DCM IOC - Part 2	BCWS	0	0	0
1.7.4.4.2.8 Develop FEB IOC - Part 2	BCWS	0	0	0
1.7.4.4.2.9 Develop HV IOC - Part 2	BCWS	0	0	0
1.7.4.4.3.1 Determine load scaling	BCWS	0	0	0
1.7.4.4.3.2 Develop system failure and fall over recovery	BCWS	0	0	0
1.7.4.4.4.1 Develop individual system controls clients ("expert" clien	BCWS	0	0	0
1.7.4.4.4.2 Develop general intergrated basic controls clients	BCWS	0	0	0
1.7.4.4.4.3 Develop individual system alarm clients	BCWS	0	0	0
1.7.4.4.4.4 Develop general intergrated alarms client	BCWS	0	0	0
1.7.4.4.4.5 Develop individual system controls clients ("expert" clien	BCWS	0	0	0
1.7.4.4.4.6 Develop general intergrated basic controls clients - Part	BCWS	0	0	0
1.7.4.4.4.7 Develop individual system alarm clients - Part 2	BCWS	0	0	0
1.7.4.4.4.8 Develop general intergrated alarms client - Part 2	BCWS	0	0	0
1.7.4.4.5 Develop channel server master (EPICs) - Part 2	BCWS	0	0	0
1.7.4.5.1 Develop detector controls monitoring GUI	BCWS	0	0	0
1.7.4.5.2 Develop detector controls logging and history GUI	BCWS	0	0	0

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.7.4.5.3 Develop detector controls remote inspect client (web browser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.6 Develop detector control diagnostics and test suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.1 Write detector controls user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.2 Write system monitoring user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.1 Perform high voltage controls and monitoring verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.2 Perform low voltage controls and monitoring verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.3 Perform DCM controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.4 Perform FEB controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.5 Perform water cooling system controls and monitoring verific	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.6 Perform enviromental system controls and monitoring verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.7 Perform logging and database intergration verification for r	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.9 Review detector control system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	160	152	131	0	0
1.7.6 Operate IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.1 Integrate SRT into computing and development infrastructur	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.2 Integrate existing pacakages into SRT development environm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.3 Integrate external packages into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.4 Integrate code management tools into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.1 Benchmark and performance tests - Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.10 Benchmark and performance tests for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.11 Benchmark and performance tests for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.12 Benchmark and performance tests for buffer farm file DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.2 Benchmark and performance tests for network DAQ switch arr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.3 Benchmark and performance tests for general networking and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.4 Benchmark and performance tests for network messaging syst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.5 Benchmark and performance tests for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.6 Benchmark and performance tests for DCM/Buffer farm interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.7 Benchmark and performance tests for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.8 Benchmark and performance tests for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.9 Benchmark and performance tests for event builder data ret	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.1 Design test/integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.2 Procure test equipment for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.3 Build and install front end board housing for integration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.4 Build and install DCM board mounts for integration tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.5 Build DCM/PDB support structure for integration model and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.6 Install components for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.7 Wire test stand components for testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.8 Certify test stand for operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.1 Develop test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.10 Develop test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.11 Develop test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.12 Develop test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.2 Develop test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.3 Develop test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.4 Develop test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.5 Develop test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.6 Develop test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.7 Develop test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.8 Develop test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.9 Develop test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.1 Run test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.10 Run test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.11 Run test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.7.4.5.3 Develop detector controls remote inspect client (web browser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.6 Develop detector control diagnostics and test suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.1 Write detector controls user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.2 Write system monitoring user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.1 Perform high voltage controls and monitoring verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.2 Perform low voltage controls and monitoring verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.3 Perform DCM controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.4 Perform FEB controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.5 Perform water cooling system controls and monitoring verific	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.6 Perform enviromental system controls and monitoring verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.7 Perform logging and database intergration verification for r	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.9 Review detector control system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.6 Operate IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.1 Integrate SRT into computing and development infrastructur	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.2 Integrate existing pacakages into SRT development environm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.3 Integrate external packages into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.4 Integrate code management tools into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.1 Benchmark and performance tests - Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.10 Benchmark and performance tests for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.11 Benchmark and performance tests for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.12 Benchmark and performance tests for buffer farm file DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.2 Benchmark and performance tests for network DAQ switch arr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.3 Benchmark and performance tests for general networking and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.4 Benchmark and performance tests for network messaging syst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.5 Benchmark and performance tests for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.6 Benchmark and performance tests for DCM/Buffer farm interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.7 Benchmark and performance tests for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.8 Benchmark and performance tests for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.9 Benchmark and performance tests for event builder data ret	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.1 Design test/integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.2 Procure test equipment for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.3 Build and install front end board housing for integration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.4 Build and install DCM board mounts for integration tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.5 Build DCM/PDB support structure for integration model and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.6 Install components for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.7 Wire test stand components for testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.8 Certify test stand for operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.1 Develop test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.10 Develop test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.11 Develop test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.12 Develop test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.2 Develop test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.3 Develop test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.4 Develop test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.5 Develop test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.6 Develop test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.7 Develop test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.8 Develop test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.9 Develop test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.1 Run test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.10 Run test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.11 Run test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.7.4.5.3 Develop detector controls remote inspect client (web browser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.6 Develop detector control diagnostics and test suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.1 Write detector controls user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.2 Write system monitoring user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.1 Perform high voltage controls and monitoring verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.2 Perform low voltage controls and monitoring verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.3 Perform DCM controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.4 Perform FEB controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.5 Perform water cooling system controls and monitoring verific	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.6 Perform enviromental system controls and monitoring verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.7 Perform logging and database intergration verification for r	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.9 Review detector control system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.6 Operate IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.1 Integrate SRT into computing and development infrastructur	BCWS	0	0	0	0	0	0	0	0	0	10,118	533
1.7.7.1.1.2 Integrate existing pacakages into SRT development environm	BCWS	0	0	0	0	0	0	0	0	0	3,794	200
1.7.7.1.1.3 Integrate external packages into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	2,530	133
1.7.7.1.1.4 Integrate code management tools into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	3,794	200
1.7.7.1.2.1 Benchmark and performance tests - Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.10 Benchmark and performance tests for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.11 Benchmark and performance tests for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.12 Benchmark and performance tests for buffer farm file DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.2 Benchmark and performance tests for network DAQ switch arr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.3 Benchmark and performance tests for general networking and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.4 Benchmark and performance tests for network messaging syst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.5 Benchmark and performance tests for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.6 Benchmark and performance tests for DCM/Buffer farm interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.7 Benchmark and performance tests for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.8 Benchmark and performance tests for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.9 Benchmark and performance tests for event builder data ret	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.1 Design test/integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.2 Procure test equipment for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.3 Build and install front end board housing for integration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.4 Build and install DCM board mounts for integration tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.5 Build DCM/PDB support structure for integration model and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.6 Install components for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.7 Wire test stand components for testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.8 Certify test stand for operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.1 Develop test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.10 Develop test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.11 Develop test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.12 Develop test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.2 Develop test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.3 Develop test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.4 Develop test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.5 Develop test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.6 Develop test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.7 Develop test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.8 Develop test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.9 Develop test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.1 Run test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.10 Run test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.11 Run test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.7.4.5.3 Develop detector controls remote inspect client (web browser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.6 Develop detector control diagnostics and test suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.1 Write detector controls user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.2 Write system monitoring user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.1 Perform high voltage controls and monitoring verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.2 Perform low voltage controls and monitoring verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.3 Perform DCM controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.4 Perform FEB controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.5 Perform water cooling system controls and monitoring verific	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.6 Perform enviromental system controls and monitoring verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.7 Perform logging and database intergration verification for r	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.9 Review detector control system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.6 Operate IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.1 Integrate SRT into computing and development infrastructur	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.2 Integrate existing pacakages into SRT development environm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.3 Integrate external packages into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.4 Integrate code management tools into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.1 Benchmark and performance tests - Buffer farm	BCWS	0	0	1,065	0	0	0	0	0	0	0	0
1.7.7.1.2.10 Benchmark and performance tests for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.11 Benchmark and performance tests for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.12 Benchmark and performance tests for buffer farm file DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.2 Benchmark and performance tests for network DAQ switch arr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.3 Benchmark and performance tests for general networking and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.4 Benchmark and performance tests for network messaging syst	BCWS	0	0	1,065	0	0	0	0	0	0	0	0
1.7.7.1.2.5 Benchmark and performance tests for FEB/DCM interfaces	BCWS	0	0	1,031	0	0	0	0	0	0	0	0
1.7.7.1.2.6 Benchmark and performance tests for DCM/Buffer farm interf	BCWS	0	0	1,842	0	0	0	0	0	0	0	0
1.7.7.1.2.7 Benchmark and performance tests for event builder	BCWS	0	0	1,065	0	0	0	0	0	0	0	0
1.7.7.1.2.8 Benchmark and performance tests for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.9 Benchmark and performance tests for event builder data ret	BCWS	0	0	1,842	0	0	0	0	0	0	0	0
1.7.7.1.3.1 Design test/integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.2 Procure test equipment for integration test stand	BCWS	0	8,700	11,116	9,183	0	0	0	0	0	0	0
1.7.7.1.3.3 Build and install front end board housing for integration	BCWS	0	8,989	999	0	0	0	0	0	0	0	0
1.7.7.1.3.4 Build and install DCM board mounts for integration tests	BCWS	0	2,811	312	0	0	0	0	0	0	0	0
1.7.7.1.3.5 Build DCM/PDB support structure for integration model and	BCWS	0	7,405	823	0	0	0	0	0	0	0	0
1.7.7.1.3.6 Install components for integration test stand	BCWS	0	0	0	211	844	0	0	0	0	0	0
1.7.7.1.3.7 Wire test stand components for testing	BCWS	0	0	0	0	854	0	0	0	0	0	0
1.7.7.1.3.8 Certify test stand for operation	BCWS	0	0	0	0	1,476	3,445	0	0	0	0	0
1.7.7.2.1.1 Develop test suite for Buffer farm	BCWS	1,864	3,462	0	0	0	0	0	0	0	0	0
1.7.7.2.1.10 Develop test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.11 Develop test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.12 Develop test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	194	1,747	0	0	0	0
1.7.7.2.1.2 Develop test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.3 Develop test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.4 Develop test suite for network messaging systems	BCWS	0	266	5,059	0	0	0	0	0	0	0	0
1.7.7.2.1.5 Develop test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.6 Develop test suite for DCM/Buffer farm interface	BCWS	1,611	2,993	0	0	0	0	0	0	0	0	0
1.7.7.2.1.7 Develop test suite for event builder	BCWS	1,611	2,993	0	0	0	0	0	0	0	0	0
1.7.7.2.1.8 Develop test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.9 Develop test suite for event builder data retrieval	BCWS	1,864	3,462	0	0	0	0	0	0	0	0	0
1.7.7.2.2.1 Run test suite for Buffer farm	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.2.2.10 Run test suite for data dispatcher	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.2.2.11 Run test suite for file transfer system	BCWS	0	0	0	0	0	0	45	258	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.7.4.5.3 Develop detector controls remote inspect client (web browser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.6 Develop detector control diagnostics and test suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.1 Write detector controls user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.2 Write system monitoring user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.1 Perform high voltage controls and monitoring verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.2 Perform low voltage controls and monitoring verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.3 Perform DCM controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.4 Perform FEB controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.5 Perform water cooling system controls and monitoring verific	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.6 Perform enviromental system controls and monitoring verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.7 Perform logging and database intergration verification for r	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.9 Review detector control system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.6 Operate IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.1 Integrate SRT into computing and development infrastructur	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.2 Integrate existing pacakages into SRT development environm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.3 Integrate external packages into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.4 Integrate code management tools into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.1 Benchmark and performance tests - Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.10 Benchmark and performance tests for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.11 Benchmark and performance tests for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.12 Benchmark and performance tests for buffer farm file DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.2 Benchmark and performance tests for network DAQ switch arr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.3 Benchmark and performance tests for general networking and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.4 Benchmark and performance tests for network messaging syst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.5 Benchmark and performance tests for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.6 Benchmark and performance tests for DCM/Buffer farm interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.7 Benchmark and performance tests for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.8 Benchmark and performance tests for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.9 Benchmark and performance tests for event builder data ret	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.1 Design test/integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.2 Procure test equipment for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.3 Build and install front end board housing for integration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.4 Build and install DCM board mounts for integration tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.5 Build DCM/PDB support structure for integration model and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.6 Install components for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.7 Wire test stand components for testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.8 Certify test stand for operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.1 Develop test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.10 Develop test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.11 Develop test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.12 Develop test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.2 Develop test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.3 Develop test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.4 Develop test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.5 Develop test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.6 Develop test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.7 Develop test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.8 Develop test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.9 Develop test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.1 Run test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.10 Run test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.11 Run test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.7.4.5.3 Develop detector controls remote inspect client (web browser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.6 Develop detector control diagnostics and test suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.1 Write detector controls user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.2 Write system monitoring user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.1 Perform high voltage controls and monitoring verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.2 Perform low voltage controls and monitoring verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.3 Perform DCM controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.4 Perform FEB controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.5 Perform water cooling system controls and monitoring verific	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.6 Perform enviromental system controls and monitoring verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.7 Perform logging and database intergration verification for r	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.9 Review detector control system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.6 Operate IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.1 Integrate SRT into computing and development infrastructur	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.2 Integrate existing pacakages into SRT development environm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.3 Integrate external packages into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.4 Integrate code management tools into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.1 Benchmark and performance tests - Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.10 Benchmark and performance tests for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.11 Benchmark and performance tests for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.12 Benchmark and performance tests for buffer farm file DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.2 Benchmark and performance tests for network DAQ switch arr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.3 Benchmark and performance tests for general networking and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.4 Benchmark and performance tests for network messaging syst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.5 Benchmark and performance tests for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.6 Benchmark and performance tests for DCM/Buffer farm interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.7 Benchmark and performance tests for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.8 Benchmark and performance tests for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.9 Benchmark and performance tests for event builder data ret	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.1 Design test/integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.2 Procure test equipment for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.3 Build and install front end board housing for integration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.4 Build and install DCM board mounts for integration tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.5 Build DCM/PDB support structure for integration model and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.6 Install components for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.7 Wire test stand components for testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.8 Certify test stand for operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.1 Develop test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.10 Develop test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.11 Develop test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.12 Develop test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.2 Develop test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.3 Develop test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.4 Develop test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.5 Develop test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.6 Develop test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.7 Develop test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.8 Develop test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.9 Develop test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.1 Run test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.10 Run test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.11 Run test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.7.4.5.3 Develop detector controls remote inspect client (web browser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.6 Develop detector control diagnostics and test suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.1 Write detector controls user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.2 Write system monitoring user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.1 Perform high voltage controls and monitoring verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.2 Perform low voltage controls and monitoring verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.3 Perform DCM controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.4 Perform FEB controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.5 Perform water cooling system controls and monitoring verific	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.6 Perform enviromental system controls and monitoring verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.7 Perform logging and database intergration verification for r	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.9 Review detector control system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.6 Operate IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.1 Integrate SRT into computing and development infrastructur	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.2 Integrate existing pacakages into SRT development environm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.3 Integrate external packages into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.4 Integrate code management tools into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.1 Benchmark and performance tests - Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.10 Benchmark and performance tests for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.11 Benchmark and performance tests for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.12 Benchmark and performance tests for buffer farm file DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.2 Benchmark and performance tests for network DAQ switch arr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.3 Benchmark and performance tests for general networking and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.4 Benchmark and performance tests for network messaging syst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.5 Benchmark and performance tests for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.6 Benchmark and performance tests for DCM/Buffer farm interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.7 Benchmark and performance tests for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.8 Benchmark and performance tests for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.9 Benchmark and performance tests for event builder data ret	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.1 Design test/integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.2 Procure test equipment for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.3 Build and install front end board housing for integration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.4 Build and install DCM board mounts for integration tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.5 Build DCM/PDB support structure for integration model and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.6 Install components for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.7 Wire test stand components for testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.8 Certify test stand for operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.1 Develop test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.10 Develop test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.11 Develop test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.12 Develop test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.2 Develop test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.3 Develop test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.4 Develop test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.5 Develop test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.6 Develop test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.7 Develop test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.8 Develop test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.9 Develop test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.1 Run test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.10 Run test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.11 Run test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.7.4.5.3 Develop detector controls remote inspect client (web browser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.6 Develop detector control diagnostics and test suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.1 Write detector controls user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.7.2 Write system monitoring user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.1 Perform high voltage controls and monitoring verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.2 Perform low voltage controls and monitoring verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.3 Perform DCM controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.4 Perform FEB controls and monitoring verification for release	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.5 Perform water cooling system controls and monitoring verific	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.6 Perform enviromental system controls and monitoring verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.8.7 Perform logging and database intergration verification for r	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.4.9 Review detector control system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.6 Operate IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.1 Integrate SRT into computing and development infrastructur	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.2 Integrate existing pacakages into SRT development environm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.3 Integrate external packages into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.1.4 Integrate code management tools into NOVA DAQ environment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.1 Benchmark and performance tests - Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.10 Benchmark and performance tests for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.11 Benchmark and performance tests for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.12 Benchmark and performance tests for buffer farm file DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.2 Benchmark and performance tests for network DAQ switch arr	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.3 Benchmark and performance tests for general networking and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.4 Benchmark and performance tests for network messaging syst	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.5 Benchmark and performance tests for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.6 Benchmark and performance tests for DCM/Buffer farm interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.7 Benchmark and performance tests for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.8 Benchmark and performance tests for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.2.9 Benchmark and performance tests for event builder data ret	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.1 Design test/integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.2 Procure test equipment for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.3 Build and install front end board housing for integration	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.4 Build and install DCM board mounts for integration tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.5 Build DCM/PDB support structure for integration model and	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.6 Install components for integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.7 Wire test stand components for testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.1.3.8 Certify test stand for operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.1 Develop test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.10 Develop test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.11 Develop test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.12 Develop test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.2 Develop test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.3 Develop test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.4 Develop test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.5 Develop test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.6 Develop test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.7 Develop test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.8 Develop test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.1.9 Develop test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.1 Run test suite for Buffer farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.10 Run test suite for data dispatcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.11 Run test suite for file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.7.4.5.3 Develop detector controls remote inspect client (web browser	BCWS	0	0	0
1.7.4.6 Develop detector control diagnostics and test suite	BCWS	0	0	0
1.7.4.7.1 Write detector controls user documentation	BCWS	0	0	0
1.7.4.7.2 Write system monitoring user documentation	BCWS	0	0	0
1.7.4.8.1 Perform high voltage controls and monitoring verification fo	BCWS	0	0	0
1.7.4.8.2 Perform low voltage controls and monitoring verification for	BCWS	0	0	0
1.7.4.8.3 Perform DCM controls and monitoring verification for release	BCWS	0	0	0
1.7.4.8.4 Perform FEB controls and monitoring verification for release	BCWS	0	0	0
1.7.4.8.5 Perform water cooling system controls and monitoring verific	BCWS	0	0	0
1.7.4.8.6 Perform enviromental system controls and monitoring verifica	BCWS	0	0	0
1.7.4.8.7 Perform logging and database intergration verification for r	BCWS	0	0	0
1.7.4.9 Review detector control system software, tests and documenta	BCWS	0	0	0
1.7.5.2.2.1 Labor	BCWS	0	0	0
1.7.5.3.1 Labor	BCWS	0	0	0
1.7.5.3.2 Travel	BCWS	0	0	443
1.7.6 Operate IPND	BCWS	0	0	0
1.7.7.1.1.1 Integrate SRT into computing and development infrastructur	BCWS	0	0	10,651
1.7.7.1.1.2 Integrate existing pacakages into SRT development environm	BCWS	0	0	3,994
1.7.7.1.1.3 Integrate external packages into NOVA DAQ environment	BCWS	0	0	2,663
1.7.7.1.1.4 Integrate code management tools into NOVA DAQ environment	BCWS	0	0	3,994
1.7.7.1.2.1 Benchmark and performance tests - Buffer farm	BCWS	0	0	1,065
1.7.7.1.2.10 Benchmark and performance tests for data dispatcher	BCWS	0	0	0
1.7.7.1.2.11 Benchmark and performance tests for file transfer system	BCWS	0	0	0
1.7.7.1.2.12 Benchmark and performance tests for buffer farm file DAQ	BCWS	0	0	0
1.7.7.1.2.2 Benchmark and performance tests for network DAQ switch arr	BCWS	0	0	0
1.7.7.1.2.3 Benchmark and performance tests for general networking and	BCWS	0	0	0
1.7.7.1.2.4 Benchmark and performance tests for network messaging syst	BCWS	0	0	1,065
1.7.7.1.2.5 Benchmark and performance tests for FEB/DCM interfaces	BCWS	0	0	1,031
1.7.7.1.2.6 Benchmark and performance tests for DCM/Buffer farm interf	BCWS	0	0	1,842
1.7.7.1.2.7 Benchmark and performance tests for event builder	BCWS	0	0	1,065
1.7.7.1.2.8 Benchmark and performance tests for datalogger	BCWS	0	0	0
1.7.7.1.2.9 Benchmark and performance tests for event builder data ret	BCWS	0	0	1,842
1.7.7.1.3.1 Design test/integration test stand	BCWS	0	0	0
1.7.7.1.3.2 Procure test equipment for integration test stand	BCWS	0	0	28,999
1.7.7.1.3.3 Build and install front end board housing for integration	BCWS	0	0	9,988
1.7.7.1.3.4 Build and install DCM board mounts for integration tests	BCWS	0	0	3,123
1.7.7.1.3.5 Build DCM/PDB support structure for integration model and	BCWS	0	0	8,228
1.7.7.1.3.6 Install components for integration test stand	BCWS	0	0	1,055
1.7.7.1.3.7 Wire test stand components for testing	BCWS	0	0	854
1.7.7.1.3.8 Certify test stand for operation	BCWS	0	0	4,921
1.7.7.2.1.1 Develop test suite for Buffer farm	BCWS	0	0	5,325
1.7.7.2.1.10 Develop test suite for data dispatcher	BCWS	0	0	0
1.7.7.2.1.11 Develop test suite for file transfer system	BCWS	0	0	0
1.7.7.2.1.12 Develop test suite for buffer farm file DAQ chain	BCWS	0	0	1,942
1.7.7.2.1.2 Develop test suite for network DAQ switch arrays	BCWS	0	0	0
1.7.7.2.1.3 Develop test suite for general networking and connectivity	BCWS	0	0	0
1.7.7.2.1.4 Develop test suite for network messaging systems	BCWS	0	0	5,325
1.7.7.2.1.5 Develop test suite for FEB/DCM interfaces	BCWS	0	0	0
1.7.7.2.1.6 Develop test suite for DCM/Buffer farm interface	BCWS	0	0	4,604
1.7.7.2.1.7 Develop test suite for event builder	BCWS	0	0	4,604
1.7.7.2.1.8 Develop test suite for datalogger	BCWS	0	0	0
1.7.7.2.1.9 Develop test suite for event builder data retrieval	BCWS	0	0	5,325
1.7.7.2.2.1 Run test suite for Buffer farm	BCWS	0	0	303
1.7.7.2.2.10 Run test suite for data dispatcher	BCWS	0	0	303
1.7.7.2.2.11 Run test suite for file transfer system	BCWS	0	0	303

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.7.7.2.2.12 Run test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.13 Review integration testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.2 Run test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.3 Run test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.4 Run test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.5 Run test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.6 Run test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.7 Run test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.8 Run test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.9 Run test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.1 Integrate power with FEBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.2 Integrate power with DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.3 Integrate power with other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.1 Integrate front-end boards with DCM	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.2 Single FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.3 Multi FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.4 Full (64) FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.1 Integrate single network switch layer (DAQNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.2 Integrate multi layer switch network	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.3 Integrate controls network (DCSNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.5 Embedded systems engineering support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.1 Integrate master timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.2 Integrate slave timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.1 Integrate RCS - Single Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.2 Integrate RCS - Multi Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.10 Integrate database systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.2 Integrate resource manager	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.1 Integrate logger - single node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.2 Integrate logger - multi node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.4 Integrate DAQ monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.5 Integrate data quality monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.6 Integrate data logging	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.7 Integrate file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.8 Integrate event building	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.1 Integrate global trigger (single shot) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.2 Integrate pulse trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.3 Integrate GPS/Spill Server trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.4 Integrate data driven trigger (general) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.5 Consultation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.1 Design test stand environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.2 Design and implement NDOS environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.3 DDS server deployment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.4 NDOS DAQ software integration and commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.1.14 Optimize adhesive application procedures - 2	BCWS	0	13,348	12,742	1,233	0	0	0	0	0	0	0
1.8.2.3.2.9 Test large prototype structures - 2	BCWS	0	7,147	6,823	6,823	7,472	6,173	7,831	6,810	6,129	0	0
1.8.2.6 Perform FEA of FD structure and equipment	BCWS	0	16,584	15,831	15,831	17,338	14,323	18,170	15,800	14,220	0	0
1.8.2.7 Design review of FD structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.12 Perform FEA of FD structure and equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.5 Develop operating procedures	BCWS	0	0	6,848	6,848	2,419	0	0	0	0	0	0
1.8.3.3.6 Document final FD filling machine design	BCWS	0	0	0	0	7,754	8,361	0	0	0	0	0
1.8.3.7 Build and operate vertical module splash-fill prototype - 2	BCWS	0	959	916	916	1,003	828	1,051	914	822	0	0
1.8.4.2.6 Design tooling and assembly procedures for muon catcher bloc	BCWS	0	0	0	0	3,155	2,433	0	0	0	0	0
1.8.4.2.7 Document assembly fixtures and tooling designs	BCWS	0	0	0	0	1,890	1,457	0	0	0	0	0
1.8.4.3.6 Document ND installation procedures	BCWS	0	892	0	0	0	0	0	0	0	0	0
1.8.5.2.10.1 Design electrical system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.7.7.2.2.12 Run test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.13 Review integration testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.2 Run test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.3 Run test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.4 Run test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.5 Run test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.6 Run test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.7 Run test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.8 Run test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.9 Run test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.1 Integrate power with FEBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.2 Integrate power with DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.3 Integrate power with other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.1 Integrate front-end boards with DCM	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.2 Single FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.3 Multi FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.4 Full (64) FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.1 Integrate single network switch layer (DAQNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.2 Integrate multi layer switch network	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.3 Integrate controls network (DCSNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.5 Embedded systems engineering support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.1 Integrate master timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.2 Integrate slave timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.1 Integrate RCS - Single Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.2 Integrate RCS - Multi Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.10 Integrate database systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.2 Integrate resource manager	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.1 Integrate logger - single node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.2 Integrate logger - multi node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.4 Integrate DAQ monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.5 Integrate data quality monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.6 Integrate data logging	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.7 Integrate file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.8 Integrate event building	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.1 Integrate global trigger (single shot) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.2 Integrate pulse trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.3 Integrate GPS/Spill Server trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.4 Integrate data driven trigger (general) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.5 Consultation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.1 Design test stand environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.2 Design and implement NDOS environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.3 DDS server deployment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.4 NDOS DAQ software integration and commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.1.14 Optimize adhesive application procedures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.3.2.9 Test large prototype structures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.6 Perform FEA of FD structure and equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.7 Design review of FD structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.12 Perform FEA of FD structure and equipment - Part 2	BCWS	0	0	0	0	0	0	12,126	13,918	10,892	12,102	12,102
1.8.3.3.5 Develop operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.6 Document final FD filling machine design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.7 Build and operate vertical module splash-fill prototype - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.6 Design tooling and assembly procedures for muon catcher bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.7 Document assembly fixtures and tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.3.6 Document ND installation procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.1 Design electrical system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.7.7.2.2.12 Run test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.13 Review integration testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.2 Run test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.3 Run test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.4 Run test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.5 Run test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.6 Run test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.7 Run test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.8 Run test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.9 Run test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.1 Integrate power with FEBs	BCWS	0	0	0	0	0	0	0	0	0	0	500
1.7.7.3.1.2 Integrate power with DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	400
1.7.7.3.1.3 Integrate power with other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.1 Integrate front-end boards with DCM	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.2 Single FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.3 Multi FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.4 Full (64) FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.1 Integrate single network switch layer (DAQNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.2 Integrate multi layer switch network	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.3 Integrate controls network (DCSNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.5 Embedded systems engineering support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.1 Integrate master timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.2 Integrate slave timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.1 Integrate RCS - Single Node	BCWS	0	0	0	0	0	0	0	0	0	0	4,260
1.7.7.4.1.2 Integrate RCS - Multi Node	BCWS	0	0	0	0	0	0	0	0	0	0	2,982
1.7.7.4.10 Integrate database systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.2 Integrate resource manager	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.1 Integrate logger - single node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.2 Integrate logger - multi node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.4 Integrate DAQ monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.5 Integrate data quality monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.6 Integrate data logging	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.7 Integrate file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.8 Integrate event building	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.1 Integrate global trigger (single shot) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.2 Integrate pulse trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.3 Integrate GPS/Spill Server trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.4 Integrate data driven trigger (general) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.5 Consultation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.1 Design test stand environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.2 Design and implement NDOS environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.3 DDS server deployment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.4 NDOS DAQ software integration and commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.1.14 Optimize adhesive application procedures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.3.2.9 Test large prototype structures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.6 Perform FEA of FD structure and equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.7 Design review of FD structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.12 Perform FEA of FD structure and equipment - Part 2	BCWS	12,102	13,313	13,313	12,102	0	0	0	0	0	0	0
1.8.3.3.5 Develop operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.6 Document final FD filling machine design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.7 Build and operate vertical module splash-fill prototype - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.6 Design tooling and assembly procedures for muon catcher bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.7 Document assembly fixtures and tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.3.6 Document ND installation procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.1 Design electrical system	BCWS	11,716	11,716	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.7.7.2.2.12 Run test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.2.2.13 Review integration testing	BCWS	0	0	0	0	0	0	0	485	485	0	0
1.7.7.2.2.2 Run test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.2.2.3 Run test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.2.2.4 Run test suite for network messaging systems	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.2.2.5 Run test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.2.2.6 Run test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.2.2.7 Run test suite for event builder	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.2.2.8 Run test suite for datalogger	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.2.2.9 Run test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	45	258	0	0	0
1.7.7.3.1.1 Integrate power with FEBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.2 Integrate power with DCMs	BCWS	1,100	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.3 Integrate power with other components	BCWS	266	233	0	0	0	0	0	0	0	0	0
1.7.7.3.2.1 Integrate front-end boards with DCM	BCWS	0	0	0	0	0	0	0	11,162	11,162	0	0
1.7.7.3.2.2 Single FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	2,828	0	0
1.7.7.3.2.3 Multi FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	923	2,248	0
1.7.7.3.2.4 Full (64) FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	2,966	5,509
1.7.7.3.3.1 Integrate single network switch layer (DAQNet)	BCWS	0	0	0	0	0	0	0	795	795	0	0
1.7.7.3.3.2 Integrate multi layer switch network	BCWS	0	0	0	0	0	0	0	0	4,078	0	0
1.7.7.3.3.3 Integrate controls network (DCSNet)	BCWS	0	0	0	0	0	0	0	0	300	0	0
1.7.7.3.3.5 Embedded systems engineering support	BCWS	0	0	3,009	2,879	2,617	2,879	2,748	2,879	2,748	0	0
1.7.7.3.4.1 Integrate master timiing system in DAQ	BCWS	0	0	0	0	0	4,092	1,364	0	0	0	0
1.7.7.3.4.2 Integrate slave timiing system in DAQ	BCWS	0	0	0	0	0	0	5,456	0	0	0	0
1.7.7.4.1.1 Integrate RCS - Single Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.2 Integrate RCS - Multi Node	BCWS	1,278	0	0	0	0	0	0	0	0	0	0
1.7.7.4.10 Integrate database systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.2 Integrate resource manager	BCWS	0	0	0	0	0	1,598	533	0	0	0	0
1.7.7.4.3.1 Integrate logger - single node	BCWS	0	0	0	0	0	0	0	0	0	0	2,232
1.7.7.4.3.2 Integrate logger - multi node	BCWS	0	0	0	0	0	0	0	0	0	0	1,674
1.7.7.4.4 Integrate DAQ monitoring	BCWS	0	0	0	0	0	3,883	0	0	0	0	0
1.7.7.4.5 Integrate data quality monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.6 Integrate data logging	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.7 Integrate file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.8 Integrate event building	BCWS	0	0	0	0	0	3,994	5,592	1,065	0	0	0
1.7.7.4.9.1 Integrate global trigger (single shot) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.2 Integrate pulse trigger with DAQ	BCWS	29	258	0	0	0	0	0	0	0	0	0
1.7.7.4.9.3 Integrate GPS/Spill Server trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.4 Integrate data driven trigger (general) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.5 Consultation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.1 Design test stand environment management	BCWS	0	0	0	0	1,997	2,929	399	0	0	0	0
1.7.7.7.2 Design and implement NDOS environment management	BCWS	0	0	0	0	0	0	4,793	533	0	0	0
1.7.7.7.3 DDS server deployment	BCWS	0	0	0	0	0	0	4,793	533	0	0	0
1.7.7.7.4 NDOS DAQ software integration and commissioning	BCWS	0	0	0	0	0	0	4,090	7,498	5,453	0	0
1.8.1.14 Optimize adhesive application procedures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.3.2.9 Test large prototype structures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.6 Perform FEA of FD structure and equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.7 Design review of FD structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.12 Perform FEA of FD structure and equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.5 Develop operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.6 Document final FD filling machine design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.7 Build and operate vertical module splash-fill prototype - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.6 Design tooling and assembly procedures for muon catcher bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.7 Document assembly fixtures and tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.3.6 Document ND installation procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.1 Design electrical system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.7.7.2.2.12 Run test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.13 Review integration testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.2 Run test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.3 Run test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.4 Run test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.5 Run test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.6 Run test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.7 Run test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.8 Run test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.9 Run test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.1 Integrate power with FEBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.2 Integrate power with DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.3 Integrate power with other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.1 Integrate front-end boards with DCM	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.2 Single FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.3 Multi FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.4 Full (64) FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.1 Integrate single network switch layer (DAQNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.2 Integrate multi layer switch network	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.3 Integrate controls network (DCSNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.5 Embedded systems engineering support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.1 Integrate master timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.2 Integrate slave timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.1 Integrate RCS - Single Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.2 Integrate RCS - Multi Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.10 Integrate database systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.2 Integrate resource manager	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.1 Integrate logger - single node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.2 Integrate logger - multi node	BCWS	1,674	0	0	0	0	0	0	0	0	0	0
1.7.7.4.4 Integrate DAQ monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.5 Integrate data quality monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.6 Integrate data logging	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.7 Integrate file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.8 Integrate event building	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.1 Integrate global trigger (single shot) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.2 Integrate pulse trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.3 Integrate GPS/Spill Server trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.4 Integrate data driven trigger (general) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.5 Consultation	BCWS	8,761	11,098	11,682	13,434	12,266	12,266	12,850	11,682	13,434	2,920	0
1.7.7.7.1 Design test stand environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.2 Design and implement NDOS environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.3 DDS server deployment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.4 NDOS DAQ software integration and commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.1.14 Optimize adhesive application procedures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.3.2.9 Test large prototype structures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.6 Perform FEA of FD structure and equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.7 Design review of FD structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.12 Perform FEA of FD structure and equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.5 Develop operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.6 Document final FD filling machine design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.7 Build and operate vertical module splash-fill prototype - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.6 Design tooling and assembly procedures for muon catcher bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.7 Document assembly fixtures and tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.3.6 Document ND installation procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.1 Design electrical system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.7.7.2.2.12 Run test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.13 Review integration testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.2 Run test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.3 Run test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.4 Run test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.5 Run test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.6 Run test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.7 Run test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.8 Run test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.9 Run test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.1 Integrate power with FEBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.2 Integrate power with DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.3 Integrate power with other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.1 Integrate front-end boards with DCM	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.2 Single FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.3 Multi FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.4 Full (64) FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.1 Integrate single network switch layer (DAQNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.2 Integrate multi layer switch network	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.3 Integrate controls network (DCSNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.5 Embedded systems engineering support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.1 Integrate master timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.2 Integrate slave timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.1 Integrate RCS - Single Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.2 Integrate RCS - Multi Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.10 Integrate database systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.2 Integrate resource manager	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.1 Integrate logger - single node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.2 Integrate logger - multi node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.4 Integrate DAQ monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.5 Integrate data quality monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.6 Integrate data logging	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.7 Integrate file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.8 Integrate event building	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.1 Integrate global trigger (single shot) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.2 Integrate pulse trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.3 Integrate GPS/Spill Server trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.4 Integrate data driven trigger (general) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.5 Consultation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.1 Design test stand environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.2 Design and implement NDOS environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.3 DDS server deployment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.4 NDOS DAQ software integration and commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.1.14 Optimize adhesive application procedures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.3.2.9 Test large prototype structures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.6 Perform FEA of FD structure and equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.7 Design review of FD structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.12 Perform FEA of FD structure and equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.5 Develop operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.6 Document final FD filling machine design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.7 Build and operate vertical module splash-fill prototype - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.6 Design tooling and assembly procedures for muon catcher bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.7 Document assembly fixtures and tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.3.6 Document ND installation procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.1 Design electrical system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.7.7.2.2.12 Run test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.13 Review integration testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.2 Run test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.3 Run test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.4 Run test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.5 Run test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.6 Run test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.7 Run test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.8 Run test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.9 Run test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.1 Integrate power with FEBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.2 Integrate power with DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.3 Integrate power with other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.1 Integrate front-end boards with DCM	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.2 Single FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.3 Multi FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.4 Full (64) FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.1 Integrate single network switch layer (DAQNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.2 Integrate multi layer switch network	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.3 Integrate controls network (DCSNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.5 Embedded systems engineering support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.1 Integrate master timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.2 Integrate slave timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.1 Integrate RCS - Single Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.2 Integrate RCS - Multi Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.10 Integrate database systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.2 Integrate resource manager	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.1 Integrate logger - single node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.2 Integrate logger - multi node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.4 Integrate DAQ monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.5 Integrate data quality monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.6 Integrate data logging	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.7 Integrate file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.8 Integrate event building	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.1 Integrate global trigger (single shot) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.2 Integrate pulse trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.3 Integrate GPS/Spill Server trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.4 Integrate data driven trigger (general) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.5 Consultation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.1 Design test stand environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.2 Design and implement NDOS environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.3 DDS server deployment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.4 NDOS DAQ software integration and commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.1.14 Optimize adhesive application procedures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.3.2.9 Test large prototype structures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.6 Perform FEA of FD structure and equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.7 Design review of FD structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.12 Perform FEA of FD structure and equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.5 Develop operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.6 Document final FD filling machine design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.7 Build and operate vertical module splash-fill prototype - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.6 Design tooling and assembly procedures for muon catcher bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.7 Document assembly fixtures and tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.3.6 Document ND installation procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.1 Design electrical system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.7.7.2.2.12 Run test suite for buffer farm file DAQ chain	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.13 Review integration testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.2 Run test suite for network DAQ switch arrays	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.3 Run test suite for general networking and connectivity	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.4 Run test suite for network messaging systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.5 Run test suite for FEB/DCM interfaces	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.6 Run test suite for DCM/Buffer farm interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.7 Run test suite for event builder	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.8 Run test suite for datalogger	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.2.2.9 Run test suite for event builder data retrieval	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.1 Integrate power with FEBs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.2 Integrate power with DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.1.3 Integrate power with other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.1 Integrate front-end boards with DCM	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.2 Single FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.3 Multi FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.2.4 Full (64) FEB/DCM integration and testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.1 Integrate single network switch layer (DAQNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.2 Integrate multi layer switch network	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.3 Integrate controls network (DCSNet)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.3.5 Embedded systems engineering support	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.1 Integrate master timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.3.4.2 Integrate slave timiing system in DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.1 Integrate RCS - Single Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.1.2 Integrate RCS - Multi Node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.10 Integrate database systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.2 Integrate resource manager	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.1 Integrate logger - single node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.3.2 Integrate logger - multi node	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.4 Integrate DAQ monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.5 Integrate data quality monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.6 Integrate data logging	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.7 Integrate file transfer system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.8 Integrate event building	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.1 Integrate global trigger (single shot) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.2 Integrate pulse trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.3 Integrate GPS/Spill Server trigger with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.4.9.4 Integrate data driven trigger (general) with DAQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.5 Consultation	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.1 Design test stand environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.2 Design and implement NDOS environment management	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.3 DDS server deployment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.7.7.7.4 NDOS DAQ software integration and commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.1.14 Optimize adhesive application procedures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.3.2.9 Test large prototype structures - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.6 Perform FEA of FD structure and equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.7 Design review of FD structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.2.12 Perform FEA of FD structure and equipment - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.5 Develop operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.3.6 Document final FD filling machine design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.3.7 Build and operate vertical module splash-fill prototype - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.6 Design tooling and assembly procedures for muon catcher bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.2.7 Document assembly fixtures and tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.4.3.6 Document ND installation procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.1 Design electrical system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.7.7.2.2.12 Run test suite for buffer farm file DAQ chain	BCWS	0	0	303
1.7.7.2.2.13 Review integration testing	BCWS	0	0	971
1.7.7.2.2.2 Run test suite for network DAQ switch arrays	BCWS	0	0	303
1.7.7.2.2.3 Run test suite for general networking and connectivity	BCWS	0	0	303
1.7.7.2.2.4 Run test suite for network messaging systems	BCWS	0	0	303
1.7.7.2.2.5 Run test suite for FEB/DCM interfaces	BCWS	0	0	303
1.7.7.2.2.6 Run test suite for DCM/Buffer farm interface	BCWS	0	0	303
1.7.7.2.2.7 Run test suite for event builder	BCWS	0	0	303
1.7.7.2.2.8 Run test suite for datalogger	BCWS	0	0	303
1.7.7.2.2.9 Run test suite for event builder data retrieval	BCWS	0	0	303
1.7.7.3.1.1 Integrate power with FEBs	BCWS	0	0	500
1.7.7.3.1.2 Integrate power with DCMs	BCWS	0	0	1,500
1.7.7.3.1.3 Integrate power with other components	BCWS	0	0	500
1.7.7.3.2.1 Integrate front-end boards with DCM	BCWS	0	0	22,324
1.7.7.3.2.2 Single FEB/DCM integration and testing	BCWS	0	0	2,828
1.7.7.3.2.3 Multi FEB/DCM integration and testing	BCWS	0	0	3,171
1.7.7.3.2.4 Full (64) FEB/DCM integration and testing	BCWS	0	0	8,476
1.7.7.3.3.1 Integrate single network switch layer (DAQNet)	BCWS	0	0	1,589
1.7.7.3.3.2 Integrate multi layer switch network	BCWS	0	0	4,078
1.7.7.3.3.3 Integrate controls network (DCSNet)	BCWS	0	0	300
1.7.7.3.3.5 Embedded systems engineering support	BCWS	0	0	19,758
1.7.7.3.4.1 Integrate master timiing system in DAQ	BCWS	0	0	5,456
1.7.7.3.4.2 Integrate slave timiing system in DAQ	BCWS	0	0	5,456
1.7.7.4.1.1 Integrate RCS - Single Node	BCWS	0	0	4,260
1.7.7.4.1.2 Integrate RCS - Multi Node	BCWS	0	0	4,260
1.7.7.4.10 Integrate database systems	BCWS	0	0	0
1.7.7.4.2 Integrate resource manager	BCWS	0	0	2,130
1.7.7.4.3.1 Integrate logger - single node	BCWS	0	0	2,232
1.7.7.4.3.2 Integrate logger - multi node	BCWS	0	0	3,348
1.7.7.4.4 Integrate DAQ monitoring	BCWS	0	0	3,883
1.7.7.4.5 Integrate data quality monitoring	BCWS	0	0	0
1.7.7.4.6 Integrate data logging	BCWS	0	0	0
1.7.7.4.7 Integrate file transfer system	BCWS	0	0	0
1.7.7.4.8 Integrate event building	BCWS	0	0	10,651
1.7.7.4.9.1 Integrate global trigger (single shot) with DAQ	BCWS	0	0	0
1.7.7.4.9.2 Integrate pulse trigger with DAQ	BCWS	0	0	286
1.7.7.4.9.3 Integrate GPS/Spill Server trigger with DAQ	BCWS	0	0	0
1.7.7.4.9.4 Integrate data driven trigger (general) with DAQ	BCWS	0	0	0
1.7.7.5 Consultation	BCWS	0	0	110,394
1.7.7.7.1 Design test stand environment management	BCWS	0	0	5,325
1.7.7.7.2 Design and implement NDOS environment management	BCWS	0	0	5,325
1.7.7.7.3 DDS server deployment	BCWS	0	0	5,325
1.7.7.7.4 NDOS DAQ software integration and commissioning	BCWS	0	0	17,041
1.8.1.14 Optimize adhesive application procedures - 2	BCWS	0	0	27,323
1.8.2.3.2.9 Test large prototype structures - 2	BCWS	0	0	55,207
1.8.2.6 Perform FEA of FD structure and equipment	BCWS	0	0	128,098
1.8.2.7 Design review of FD structure	BCWS	0	0	0
1.8.2.12 Perform FEA of FD structure and equipment - Part 2	BCWS	0	0	111,971
1.8.3.3.5 Develop operating procedures	BCWS	0	0	16,115
1.8.3.3.6 Document final FD filling machine design	BCWS	0	0	16,115
1.8.3.7 Build and operate vertical module splash-fill prototype - 2	BCWS	0	0	7,408
1.8.4.2.6 Design tooling and assembly procedures for muon catcher bloc	BCWS	0	0	5,587
1.8.4.2.7 Document assembly fixtures and tooling designs	BCWS	0	0	3,348
1.8.4.3.6 Document ND installation procedures	BCWS	0	0	892
1.8.5.2.10.1 Design electrical system	BCWS	0	0	23,432

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.8.5.2.10.2 Design APD cooling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.3 Design detector enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.4 Design detector room base (floor load)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.5 Design scintillator containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.6 Design fire protection system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.7 Design IPND scintillator supply and filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.8 Document MSB infrastructure design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.11 Design review: IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.9 Final design of IPND systems	BCWS	0	10,008	9,553	9,553	0	0	0	0	0	0	0
1.8.5.3.1 Fabricate block support frames	BCWS	0	0	0	0	0	0	0	0	28,920	0	0
1.8.5.3.2 Fabricate lifting fixtures	BCWS	0	0	0	0	0	0	0	0	14,165	0	0
1.8.5.3.3 Fabricate detector bookends	BCWS	0	0	0	0	0	0	0	0	11,804	0	0
1.8.5.3.4.1 Fabricate block assembly platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.2 Procure glue machine	BCWS	0	0	0	0	0	0	0	1,710	1,831	0	0
1.8.5.3.4.3 Assemble glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.4 Procure glue machine - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.5 Fabricate IPND scintillator supply and filling equipment (Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.6 Fabricate IPND scintillator supply and filling equipment (la	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.7 Fabricate block support frames - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.8 Fabricate lifting fixtures - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.9 Fabricate detector bookends - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.1 Set up building infrastructure	BCWS	0	0	0	0	11,959	3,952	0	0	0	0	0
1.8.5.4.2 Install adhesive ventilation system	BCWS	0	0	0	0	11,908	3,935	0	0	0	0	0
1.8.5.4.3 Install IPND assembly equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.4 Operations review: IPND assembly facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.1 Procure adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.3 Fabricate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.4 Fabricate IPND block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.5 Measure and evaluate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.6 Fabricate remaining 3 IPND blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.15 Paint NDOS blocks 1-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.16 Additional labor to fabricate NDOS blocks 2-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.17 Dispose of unused adhesives	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.18 Rigging-Offloading 8 loads of modules from UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.19 Rigging-Sending 7 loads of material back to UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.20 Rigging-Sending 7 NDOS blocks to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.21 Design and make pressure test manifold-clamps	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.22 Perform glue thickness compression tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.23 Design custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.24 Fabricate custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.25 Fabricate custom pads for ND lifter (8 + 4 proto)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.26 Design and build NDOS module compression prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.27 Design Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.28 Fabricate Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.29 Near Detector module-pallet interface design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.30 Near Detector module-pallet interface material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.31 Near Detector alignment design and prototyping	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.32 Near Detector alignment design and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.33 Near Detector prototype pressure test system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.5 Architectural - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.5 Containment - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.8.5.2.10.2 Design APD cooling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.3 Design detector enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.4 Design detector room base (floor load)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.5 Design scintillator containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.6 Design fire protection system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.7 Design IPND scintillator supply and filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.8 Document MSB infrastructure design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.11 Design review: IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.9 Final design of IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.1 Fabricate block support frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.2 Fabricate lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.3 Fabricate detector bookends	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.1 Fabricate block assembly platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.2 Procure glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.3 Assemble glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.4 Procure glue machine - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.5 Fabricate IPND scintillator supply and filling equipment (Ma	BCWS	0	0	0	0	0	0	0	0	0	0	15,653
1.8.5.3.6 Fabricate IPND scintillator supply and filling equipment (la	BCWS	0	0	0	0	0	0	0	0	0	0	24,362
1.8.5.3.7 Fabricate block support frames - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.8 Fabricate lifting fixtures - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.9 Fabricate detector bookends - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.1 Set up building infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.2 Install adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.3 Install IPND assembly equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.4 Operations review: IPND assembly facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.1 Procure adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.3 Fabricate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.4 Fabricate IPND block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.5 Measure and evaluate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.6 Fabricate remaining 3 IPND blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.15 Paint NDOS blocks 1-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.16 Additional labor to fabricate NDOS blocks 2-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.17 Dispose of unused adhesives	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.18 Rigging-Offloading 8 loads of modules from UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.19 Rigging-Sending 7 loads of material back to UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.20 Rigging-Sending 7 NDOS blocks to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.21 Design and make pressure test manifold-clamps	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.22 Perform glue thickness compression tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.23 Design custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.24 Fabricate custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.25 Fabricate custom pads for ND lifter (8 + 4 proto)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.26 Design and build NDOS module compression prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.27 Design Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.28 Fabricate Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.29 Near Detector module-pallet interface design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.30 Near Detector module-pallet interface material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.31 Near Detector alignment design and prototyping	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.32 Near Detector alignment design and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.33 Near Detector prototype pressure test system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.5 Architectural - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.5 Containment - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.8.5.2.10.2 Design APD cooling system	BCWS	11,716	11,716	0	0	0	0	0	0	0	0	0
1.8.5.2.10.3 Design detector enclosure	BCWS	11,716	11,716	0	0	0	0	0	0	0	0	0
1.8.5.2.10.4 Design detector room base (floor load)	BCWS	11,716	11,716	0	0	0	0	0	0	0	0	0
1.8.5.2.10.5 Design scintillator containment	BCWS	11,716	11,716	0	0	0	0	0	0	0	0	0
1.8.5.2.10.6 Design fire protection system	BCWS	11,716	11,716	0	0	0	0	0	0	0	0	0
1.8.5.2.10.7 Design IPND scintillator supply and filling equipment	BCWS	3,119	3,119	0	0	0	0	0	0	0	0	0
1.8.5.2.10.8 Document MSB infrastructure design	BCWS	0	3,119	20,273	0	0	0	0	0	0	0	0
1.8.5.2.11 Design review: IPND systems	BCWS	0	0	2,980	0	0	0	0	0	0	0	0
1.8.5.2.9 Final design of IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.1 Fabricate block support frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.2 Fabricate lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.3 Fabricate detector bookends	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.1 Fabricate block assembly platform	BCWS	20,459	10,230	0	0	0	0	0	0	0	0	0
1.8.5.3.4.2 Procure glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.3 Assemble glue machine	BCWS	0	7,541	6,598	0	0	0	0	0	0	0	0
1.8.5.3.4.4 Procure glue machine - Part 2	BCWS	2,884	2,019	0	0	0	0	0	0	0	0	0
1.8.5.3.5 Fabricate IPND scintillator supply and filling equipment (Ma	BCWS	10,435	0	0	0	0	0	0	0	0	0	0
1.8.5.3.6 Fabricate IPND scintillator supply and filling equipment (la	BCWS	16,241	0	0	0	0	0	0	0	0	0	0
1.8.5.3.7 Fabricate block support frames - Part 2	BCWS	3,788	4,167	0	0	0	0	0	0	0	0	0
1.8.5.3.8 Fabricate lifting fixtures - Part 2	BCWS	2,931	3,224	3,224	2,931	1,172	0	0	0	0	0	0
1.8.5.3.9 Fabricate detector bookends - Part 2	BCWS	3,163	3,479	3,163	0	0	0	0	0	0	0	0
1.8.5.4.1 Set up building infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.2 Install adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.3 Install IPND assembly equipment	BCWS	0	0	20,050	6,683	0	0	0	0	0	0	0
1.8.5.4.4 Operations review: IPND assembly facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.1 Procure adhesive	BCWS	9,147	10,062	1,372	0	0	0	0	0	0	0	0
1.8.5.5.3 Fabricate IPND prototype block	BCWS	0	0	0	0	57,915	75,735	0	0	0	0	0
1.8.5.5.4 Fabricate IPND block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.5 Measure and evaluate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.6 Fabricate remaining 3 IPND blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.15 Paint NDOS blocks 1-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.16 Additional labor to fabricate NDOS blocks 2-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.17 Dispose of unused adhesives	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.18 Rigging-Offloading 8 loads of modules from UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.19 Rigging-Sending 7 loads of material back to UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.20 Rigging-Sending 7 NDOS blocks to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.21 Design and make pressure test manifold-clamps	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.22 Perform glue thickness compression tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.23 Design custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.24 Fabricate custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.25 Fabricate custom pads for ND lifter (8 + 4 proto)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.26 Design and build NDOS module compression prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.27 Design Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.28 Fabricate Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.29 Near Detector module-pallet interface design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.30 Near Detector module-pallet interface material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.31 Near Detector alignment design and prototyping	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.32 Near Detector alignment design and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.33 Near Detector prototype pressure test system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	1,944	833	0	0	0	0	0	0	0
1.8.5.6.1.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	3,275	0	0	0	0	0	0
1.8.5.6.1.5 Architectural - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	34,205	3,801	0	0	0	0	0
1.8.5.6.2.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	555	833	0	0	0	0	0	0	0
1.8.5.6.2.3 Select contractor (OBSOLETE)	BCWS	0	0	0	972	491	0	0	0	0	0	0
1.8.5.6.2.5 Containment - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.8.5.2.10.2 Design APD cooling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.3 Design detector enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.4 Design detector room base (floor load)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.5 Design scintillator containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.6 Design fire protection system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.7 Design IPND scintillator supply and filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.8 Document MSB infrastructure design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.11 Design review: IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.9 Final design of IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.1 Fabricate block support frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.2 Fabricate lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.3 Fabricate detector bookends	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.1 Fabricate block assembly platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.2 Procure glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.3 Assemble glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.4 Procure glue machine - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.5 Fabricate IPND scintillator supply and filling equipment (Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.6 Fabricate IPND scintillator supply and filling equipment (la	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.7 Fabricate block support frames - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.8 Fabricate lifting fixtures - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.9 Fabricate detector bookends - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.1 Set up building infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.2 Install adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.3 Install IPND assembly equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.4 Operations review: IPND assembly facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.1 Procure adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.3 Fabricate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.4 Fabricate IPND block 1	BCWS	0	0	74,847	49,898	0	0	0	0	0	0	0
1.8.5.5.5 Measure and evaluate IPND prototype block	BCWS	0	0	9,439	0	0	0	0	0	0	0	0
1.8.5.5.6 Fabricate remaining 3 IPND blocks	BCWS	0	0	0	100,659	115,039	0	0	0	0	0	0
1.8.5.5.15 Paint NDOS blocks 1-4	BCWS	0	0	0	0	6,542	8,996	818	0	0	0	0
1.8.5.5.16 Additional labor to fabricate NDOS blocks 2-4	BCWS	0	0	0	0	5,998	10,361	0	0	0	0	0
1.8.5.5.17 Dispose of unused adhesives	BCWS	0	0	0	0	0	0	0	19,491	0	0	0
1.8.5.5.18 Rigging-Offloading 8 loads of modules from UMN	BCWS	0	0	0	0	0	0	0	2,284	1,869	0	0
1.8.5.5.19 Rigging-Sending 7 loads of material back to UMN	BCWS	0	0	0	0	0	0	0	1,999	1,635	0	0
1.8.5.5.20 Rigging-Sending 7 NDOS blocks to FNAL	BCWS	0	0	0	0	0	0	0	5,996	4,906	0	0
1.8.5.5.21 Design and make pressure test manifold-clamps	BCWS	0	0	0	0	0	0	0	23,554	0	0	0
1.8.5.5.22 Perform glue thickness compression tests	BCWS	0	0	0	0	0	0	0	23,246	9,962	0	0
1.8.5.5.23 Design custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	5,137	0	0	0
1.8.5.5.24 Fabricate custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	3,568	0	0	0
1.8.5.5.25 Fabricate custom pads for ND lifter (8 + 4 proto)	BCWS	0	0	0	0	0	0	0	2,889	0	0	0
1.8.5.5.26 Design and build NDOS module compression prototype	BCWS	0	0	0	0	0	0	0	5,517	0	0	0
1.8.5.5.27 Design Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	2,746	10,985	0	0
1.8.5.5.28 Fabricate Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	11,354	0	0
1.8.5.5.29 Near Detector module-pallet interface design	BCWS	0	0	0	0	0	0	0	30,030	0	0	0
1.8.5.5.30 Near Detector module-pallet interface material	BCWS	0	0	0	0	0	0	0	12,879	0	0	0
1.8.5.5.31 Near Detector alignment design and prototyping	BCWS	0	0	0	0	0	0	0	0	82,981	0	0
1.8.5.5.32 Near Detector alignment design and tooling	BCWS	0	0	0	0	0	0	0	0	1,699	15,809	0
1.8.5.5.33 Near Detector prototype pressure test system	BCWS	0	0	0	0	0	0	0	11,463	10,942	9,142	0
1.8.5.6.1.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.5 Architectural - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.5 Containment - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.8.5.2.10.2 Design APD cooling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.3 Design detector enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.4 Design detector room base (floor load)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.5 Design scintillator containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.6 Design fire protection system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.7 Design IPND scintillator supply and filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.8 Document MSB infrastructure design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.11 Design review: IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.9 Final design of IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.1 Fabricate block support frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.2 Fabricate lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.3 Fabricate detector bookends	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.1 Fabricate block assembly platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.2 Procure glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.3 Assemble glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.4 Procure glue machine - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.5 Fabricate IPND scintillator supply and filling equipment (Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.6 Fabricate IPND scintillator supply and filling equipment (la	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.7 Fabricate block support frames - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.8 Fabricate lifting fixtures - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.9 Fabricate detector bookends - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.1 Set up building infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.2 Install adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.3 Install IPND assembly equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.4 Operations review: IPND assembly facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.1 Procure adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.3 Fabricate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.4 Fabricate IPND block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.5 Measure and evaluate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.6 Fabricate remaining 3 IPND blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.15 Paint NDOS blocks 1-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.16 Additional labor to fabricate NDOS blocks 2-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.17 Dispose of unused adhesives	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.18 Rigging-Offloading 8 loads of modules from UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.19 Rigging-Sending 7 loads of material back to UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.20 Rigging-Sending 7 NDOS blocks to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.21 Design and make pressure test manifold-clamps	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.22 Perform glue thickness compression tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.23 Design custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.24 Fabricate custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.25 Fabricate custom pads for ND lifter (8 + 4 proto)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.26 Design and build NDOS module compression prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.27 Design Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.28 Fabricate Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.29 Near Detector module-pallet interface design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.30 Near Detector module-pallet interface material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.31 Near Detector alignment design and prototyping	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.32 Near Detector alignment design and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.33 Near Detector prototype pressure test system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.5 Architectural - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.5 Containment - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.8.5.2.10.2 Design APD cooling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.3 Design detector enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.4 Design detector room base (floor load)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.5 Design scintillator containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.6 Design fire protection system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.7 Design IPND scintillator supply and filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.8 Document MSB infrastructure design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.11 Design review: IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.9 Final design of IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.1 Fabricate block support frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.2 Fabricate lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.3 Fabricate detector bookends	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.1 Fabricate block assembly platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.2 Procure glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.3 Assemble glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.4 Procure glue machine - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.5 Fabricate IPND scintillator supply and filling equipment (Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.6 Fabricate IPND scintillator supply and filling equipment (la	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.7 Fabricate block support frames - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.8 Fabricate lifting fixtures - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.9 Fabricate detector bookends - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.1 Set up building infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.2 Install adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.3 Install IPND assembly equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.4 Operations review: IPND assembly facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.1 Procure adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.3 Fabricate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.4 Fabricate IPND block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.5 Measure and evaluate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.6 Fabricate remaining 3 IPND blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.15 Paint NDOS blocks 1-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.16 Additional labor to fabricate NDOS blocks 2-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.17 Dispose of unused adhesives	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.18 Rigging-Offloading 8 loads of modules from UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.19 Rigging-Sending 7 loads of material back to UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.20 Rigging-Sending 7 NDOS blocks to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.21 Design and make pressure test manifold-clamps	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.22 Perform glue thickness compression tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.23 Design custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.24 Fabricate custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.25 Fabricate custom pads for ND lifter (8 + 4 proto)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.26 Design and build NDOS module compression prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.27 Design Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.28 Fabricate Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.29 Near Detector module-pallet interface design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.30 Near Detector module-pallet interface material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.31 Near Detector alignment design and prototyping	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.32 Near Detector alignment design and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.33 Near Detector prototype pressure test system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.5 Architectural - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.5 Containment - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.8.5.2.10.2 Design APD cooling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.3 Design detector enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.4 Design detector room base (floor load)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.5 Design scintillator containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.6 Design fire protection system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.7 Design IPND scintillator supply and filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.8 Document MSB infrastructure design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.11 Design review: IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.9 Final design of IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.1 Fabricate block support frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.2 Fabricate lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.3 Fabricate detector bookends	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.1 Fabricate block assembly platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.2 Procure glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.3 Assemble glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.4 Procure glue machine - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.5 Fabricate IPND scintillator supply and filling equipment (Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.6 Fabricate IPND scintillator supply and filling equipment (la	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.7 Fabricate block support frames - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.8 Fabricate lifting fixtures - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.9 Fabricate detector bookends - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.1 Set up building infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.2 Install adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.3 Install IPND assembly equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.4 Operations review: IPND assembly facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.1 Procure adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.3 Fabricate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.4 Fabricate IPND block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.5 Measure and evaluate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.6 Fabricate remaining 3 IPND blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.15 Paint NDOS blocks 1-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.16 Additional labor to fabricate NDOS blocks 2-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.17 Dispose of unused adhesives	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.18 Rigging-Offloading 8 loads of modules from UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.19 Rigging-Sending 7 loads of material back to UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.20 Rigging-Sending 7 NDOS blocks to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.21 Design and make pressure test manifold-clamps	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.22 Perform glue thickness compression tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.23 Design custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.24 Fabricate custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.25 Fabricate custom pads for ND lifter (8 + 4 proto)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.26 Design and build NDOS module compression prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.27 Design Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.28 Fabricate Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.29 Near Detector module-pallet interface design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.30 Near Detector module-pallet interface material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.31 Near Detector alignment design and prototyping	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.32 Near Detector alignment design and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.33 Near Detector prototype pressure test system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.5 Architectural - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.5 Containment - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.8.5.2.10.2 Design APD cooling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.3 Design detector enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.4 Design detector room base (floor load)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.5 Design scintillator containment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.6 Design fire protection system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.7 Design IPND scintillator supply and filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.10.8 Document MSB infrastructure design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.11 Design review: IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.2.9 Final design of IPND systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.1 Fabricate block support frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.2 Fabricate lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.3 Fabricate detector bookends	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.1 Fabricate block assembly platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.2 Procure glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.3 Assemble glue machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.4.4 Procure glue machine - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.5 Fabricate IPND scintillator supply and filling equipment (Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.6 Fabricate IPND scintillator supply and filling equipment (la	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.7 Fabricate block support frames - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.8 Fabricate lifting fixtures - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.3.9 Fabricate detector bookends - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.1 Set up building infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.2 Install adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.3 Install IPND assembly equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.4.4 Operations review: IPND assembly facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.1 Procure adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.3 Fabricate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.4 Fabricate IPND block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.5 Measure and evaluate IPND prototype block	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.6 Fabricate remaining 3 IPND blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.15 Paint NDOS blocks 1-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.16 Additional labor to fabricate NDOS blocks 2-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.17 Dispose of unused adhesives	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.18 Rigging-Offloading 8 loads of modules from UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.19 Rigging-Sending 7 loads of material back to UMN	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.20 Rigging-Sending 7 NDOS blocks to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.21 Design and make pressure test manifold-clamps	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.22 Perform glue thickness compression tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.23 Design custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.24 Fabricate custom cups for ND vacuum lifter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.25 Fabricate custom pads for ND lifter (8 + 4 proto)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.26 Design and build NDOS module compression prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.27 Design Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.28 Fabricate Near Detector module compression fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.29 Near Detector module-pallet interface design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.30 Near Detector module-pallet interface material	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.31 Near Detector alignment design and prototyping	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.32 Near Detector alignment design and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.5.33 Near Detector prototype pressure test system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.1.5 Architectural - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.3 Select contractor (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.2.5 Containment - Phase 1 (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.8.5.2.10.2 Design APD cooling system	BCWS	0	0	23,432
1.8.5.2.10.3 Design detector enclosure	BCWS	0	0	23,432
1.8.5.2.10.4 Design detector room base (floor load)	BCWS	0	0	23,432
1.8.5.2.10.5 Design scintillator containment	BCWS	0	0	23,432
1.8.5.2.10.6 Design fire protection system	BCWS	0	0	23,432
1.8.5.2.10.7 Design IPND scintillator supply and filling equipment	BCWS	0	0	6,238
1.8.5.2.10.8 Document MSB infrastructure design	BCWS	0	0	23,392
1.8.5.2.11 Design review: IPND systems	BCWS	0	0	2,980
1.8.5.2.9 Final design of IPND systems	BCWS	0	0	29,115
1.8.5.3.1 Fabricate block support frames	BCWS	0	0	28,920
1.8.5.3.2 Fabricate lifting fixtures	BCWS	0	0	14,165
1.8.5.3.3 Fabricate detector bookends	BCWS	0	0	11,804
1.8.5.3.4.1 Fabricate block assembly platform	BCWS	0	0	30,689
1.8.5.3.4.2 Procure glue machine	BCWS	0	0	3,541
1.8.5.3.4.3 Assemble glue machine	BCWS	0	0	14,139
1.8.5.3.4.4 Procure glue machine - Part 2	BCWS	0	0	4,902
1.8.5.3.5 Fabricate IPND scintillator supply and filling equipment (Ma	BCWS	0	0	26,088
1.8.5.3.6 Fabricate IPND scintillator supply and filling equipment (la	BCWS	0	0	40,604
1.8.5.3.7 Fabricate block support frames - Part 2	BCWS	0	0	7,956
1.8.5.3.8 Fabricate lifting fixtures - Part 2	BCWS	0	0	13,481
1.8.5.3.9 Fabricate detector bookends - Part 2	BCWS	0	0	9,804
1.8.5.4.1 Set up building infrastructure	BCWS	0	0	15,911
1.8.5.4.2 Install adhesive ventilation system	BCWS	0	0	15,842
1.8.5.4.3 Install IPND assembly equipment	BCWS	0	0	26,733
1.8.5.4.4 Operations review: IPND assembly facility	BCWS	0	0	0
1.8.5.5.1 Procure adhesive	BCWS	0	0	20,580
1.8.5.5.3 Fabricate IPND prototype block	BCWS	0	0	133,650
1.8.5.5.4 Fabricate IPND block 1	BCWS	0	0	124,745
1.8.5.5.5 Measure and evaluate IPND prototype block	BCWS	0	0	9,439
1.8.5.5.6 Fabricate remaining 3 IPND blocks	BCWS	0	0	215,698
1.8.5.5.15 Paint NDOS blocks 1-4	BCWS	0	0	16,356
1.8.5.5.16 Additional labor to fabricate NDOS blocks 2-4	BCWS	0	0	16,359
1.8.5.5.17 Dispose of unused adhesives	BCWS	0	0	19,491
1.8.5.5.18 Rigging-Offloading 8 loads of modules from UMN	BCWS	0	0	4,153
1.8.5.5.19 Rigging-Sending 7 loads of material back to UMN	BCWS	0	0	3,634
1.8.5.5.20 Rigging-Sending 7 NDOS blocks to FNAL	BCWS	0	0	10,901
1.8.5.5.21 Design and make pressure test manifold-clamps	BCWS	0	0	23,554
1.8.5.5.22 Perform glue thickness compression tests	BCWS	0	0	33,208
1.8.5.5.23 Design custom cups for ND vacuum lifter	BCWS	0	0	5,137
1.8.5.5.24 Fabricate custom cups for ND vacuum lifter	BCWS	0	0	3,568
1.8.5.5.25 Fabricate custom pads for ND lifter (8 + 4 proto)	BCWS	0	0	2,889
1.8.5.5.26 Design and build NDOS module compression prototype	BCWS	0	0	5,517
1.8.5.5.27 Design Near Detector module compression fixture	BCWS	0	0	13,731
1.8.5.5.28 Fabricate Near Detector module compression fixture	BCWS	0	0	11,354
1.8.5.5.29 Near Detector module-pallet interface design	BCWS	0	0	30,030
1.8.5.5.30 Near Detector module-pallet interface material	BCWS	0	0	12,879
1.8.5.5.31 Near Detector alignment design and prototyping	BCWS	0	0	82,981
1.8.5.5.32 Near Detector alignment design and tooling	BCWS	0	0	17,509
1.8.5.5.33 Near Detector prototype pressure test system	BCWS	0	0	31,546
1.8.5.6.1.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	2,777
1.8.5.6.1.3 Select contractor (OBSOLETE)	BCWS	0	0	3,275
1.8.5.6.1.5 Architectural - Phase 1 (OBSOLETE)	BCWS	0	0	38,006
1.8.5.6.2.1 Prepare bid documents (OBSOLETE)	BCWS	0	0	1,389
1.8.5.6.2.3 Select contractor (OBSOLETE)	BCWS	0	0	1,463
1.8.5.6.2.5 Containment - Phase 1 (OBSOLETE)	BCWS	0	0	0

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
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3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.8.5.6.3.1 Walkthru of partially completed enclosure (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.3.2 Train experiment personnel in contractor's procedures (OBS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.1 Install north bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.10 Perform QA checks and commission Integration Prototype on	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.11 Review IPND for operational readiness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.2 Install four blocks (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.1 Install block A (1)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.2 Install block B (2)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.3 Install block C (3)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.4 Install block D (4)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.5 Install block E (5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.6 Install block F (6)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.8 Install muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.1 Install power supplies, chillers, and filling infrastruct	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.10 Fill muon catcher with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.11 Outfit electronics for Block B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.12 Outfit electronics for Block C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.13 Outfit electronics for Block E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.14 Install APDs for Blocks A-B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.15 Install APDs for Blocks C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.16 Install APDs for Blocks E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.17 Outfit electronics for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.18 Install APDs for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.2 Fill Block A with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.3 Outfit electronics for Block A	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.5 Fill Block B with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.6 Fill Block C with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.7 Fill Block D with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.8 Fill Block E with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.9 Fill Block F with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.11 Develop 3D integegration and assembly CAD model	BCWS	0	13,093	12,498	12,498	13,688	11,308	14,345	12,474	11,227	0	0
1.8.6.1.12 Produce 2D assembly and envelope drawings	BCWS	0	3,026	2,889	2,889	2,245	0	0	0	0	0	0
1.8.6.1.13 Document and review integration and assembly model	BCWS	0	965	921	921	1,009	833	1,057	919	827	0	0
1.8.6.1.14 Develop 3D integegration and assembly CAD model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.15 Document and review integration and assembly model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.10 Develop fixtures and procedures for block assembly - 2	BCWS	0	399	381	381	417	345	437	380	342	0	0
1.8.6.2.12 Develop tooling for block installation - 2	BCWS	0	614	586	586	446	0	0	0	0	0	0
1.8.6.2.14 Develop tooling for FD block alignment - 2	BCWS	0	260	248	248	1,476	0	0	0	0	0	0
1.8.6.2.16 Document FD tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.3 Develop block pivoter design - 2	BCWS	0	2,095	2,000	2,000	2,190	1,809	2,295	1,996	1,796	0	0
1.8.6.2.4 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.5 Develop block assembly platform design	BCWS	0	3,803	3,630	3,630	2,821	0	0	0	0	0	0
1.8.6.2.7 Develop adhesive dispenser design - 2	BCWS	0	1,443	1,377	1,377	1,508	1,246	1,581	1,191	0	0	0
1.8.6.2.8 Design review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.17 Develop block pivoter design - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.18 Develop fixtures and procedures for block assembly - 2 - Pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.19 Conceptual design review of block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.3 Design review: FD mechnical systems and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.10 Fabricate glue machine for prototype	BCWS	0	0	0	0	0	0	0	16,065	19,347	0	0
1.8.8.1.11 Install adhesive dispensing system for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.12 Perform assembly prototype studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.4 Design assembly table, fixtures, and tooling for prototype -	BCWS	0	0	25,858	0	0	0	0	0	0	0	0
1.8.8.1.5 Design glue machine for prototype	BCWS	0	0	0	5,292	6,654	1,099	0	0	0	0	0
1.8.8.1.6 Design review: full-scale block assembly prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.7 Prepare site infrastructure	BCWS	0	0	0	0	0	0	12,020	10,453	9,407	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.8.5.6.3.1 Walkthru of partially completed enclosure (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.3.2 Train experiment personnel in contractor's procedures (OBS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.1 Install north bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.10 Perform QA checks and commission Integration Prototype on	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.11 Review IPND for operational readiness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.2 Install four blocks (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.1 Install block A (1)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.2 Install block B (2)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.3 Install block C (3)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.4 Install block D (4)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.5 Install block E (5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.6 Install block F (6)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.8 Install muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.1 Install power supplies, chillers, and filling infrastruct	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.10 Fill muon catcher with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.11 Outfit electronics for Block B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.12 Outfit electronics for Block C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.13 Outfit electronics for Block E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.14 Install APDs for Blocks A-B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.15 Install APDs for Blocks C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.16 Install APDs for Blocks E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.17 Outfit electronics for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.18 Install APDs for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.2 Fill Block A with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.3 Outfit electronics for Block A	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.5 Fill Block B with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.6 Fill Block C with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.7 Fill Block D with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.8 Fill Block E with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.9 Fill Block F with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.11 Develop 3D integegration and assembly CAD model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.12 Produce 2D assembly and envelope drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.13 Document and review integration and assembly model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.14 Develop 3D integegration and assembly CAD model - Part 2	BCWS	0	0	0	0	0	0	5,200	5,969	4,671	5,190	5,190
1.8.6.1.15 Document and review integration and assembly model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.10 Develop fixtures and procedures for block assembly - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.12 Develop tooling for block installation - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.14 Develop tooling for FD block alignment - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.16 Document FD tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.3 Develop block pivoter design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.4 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.5 Develop block assembly platform design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.7 Develop adhesive dispenser design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.8 Design review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.17 Develop block pivoter design - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.18 Develop fixtures and procedures for block assembly - 2 - Pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.19 Conceptual design review of block pivoter	BCWS	0	3,270	0	0	0	0	0	0	0	0	0
1.8.6.3 Design review: FD mechnical systems and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.10 Fabricate glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.11 Install adhesive dispensing system for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.12 Perform assembly prototype studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.4 Design assembly table, fixtures, and tooling for prototype -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.5 Design glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.6 Design review: full-scale block assembly prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.7 Prepare site infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.8.5.6.3.1 Walkthru of partially completed enclosure (OBSOLETE)	BCWS	0	0	0	0	0	655	0	0	0	0	0
1.8.5.6.3.2 Train experiment personnel in contractor's procedures (OBS	BCWS	0	0	0	0	0	1,436	0	0	0	0	0
1.8.5.7.1 Install north bookend (OBSOLETE)	BCWS	0	0	0	0	0	3,262	0	0	0	0	0
1.8.5.7.10 Perform QA checks and commission Integration Prototype on	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.11 Review IPND for operational readiness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.2 Install four blocks (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.1 Install block A (1)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.2 Install block B (2)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.3 Install block C (3)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.4 Install block D (4)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.5 Install block E (5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.6 Install block F (6)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.8 Install muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.1 Install power supplies, chillers, and filling infrastruct	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.10 Fill muon catcher with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.11 Outfit electronics for Block B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.12 Outfit electronics for Block C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.13 Outfit electronics for Block E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.14 Install APDs for Blocks A-B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.15 Install APDs for Blocks C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.16 Install APDs for Blocks E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.17 Outfit electronics for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.18 Install APDs for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.2 Fill Block A with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.3 Outfit electronics for Block A	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.5 Fill Block B with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.6 Fill Block C with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.7 Fill Block D with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.8 Fill Block E with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.9 Fill Block F with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.11 Develop 3D integegration and assembly CAD model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.12 Produce 2D assembly and envelope drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.13 Document and review integration and assembly model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.14 Develop 3D integegration and assembly CAD model - Part 2	BCWS	5,190	5,710	5,710	5,190	0	0	0	0	0	0	0
1.8.6.1.15 Document and review integration and assembly model - Part 2	BCWS	894	0	0	0	0	0	0	0	0	0	0
1.8.6.2.10 Develop fixtures and procedures for block assembly - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.12 Develop tooling for block installation - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.14 Develop tooling for FD block alignment - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.16 Document FD tooling designs	BCWS	0	3,064	0	0	0	0	0	0	0	0	0
1.8.6.2.3 Develop block pivoter design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.4 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.5 Develop block assembly platform design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.7 Develop adhesive dispenser design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.8 Design review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.17 Develop block pivoter design - 2 - Part 2	BCWS	5,292	529	0	0	0	0	0	0	0	0	0
1.8.6.2.18 Develop fixtures and procedures for block assembly - 2 - Pa	BCWS	1,386	832	0	0	0	0	0	0	0	0	0
1.8.6.2.19 Conceptual design review of block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.3 Design review: FD mechnical systems and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.10 Fabricate glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.11 Install adhesive dispensing system for prototype	BCWS	0	14,968	0	0	0	0	0	0	0	0	0
1.8.8.1.12 Perform assembly prototype studies	BCWS	0	6,636	29,196	26,542	29,233	21,261	0	0	0	0	0
1.8.8.1.4 Design assembly table, fixtures, and tooling for prototype -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.5 Design glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.6 Design review: full-scale block assembly prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.7 Prepare site infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.8.5.6.3.1 Walkthru of partially completed enclosure (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.3.2 Train experiment personnel in contractor's procedures (OBS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.1 Install north bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.10 Perform QA checks and commission Integration Prototype on	BCWS	0	0	0	0	0	0	0	561	5,045	0	0
1.8.5.7.11 Review IPND for operational readiness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.2 Install four blocks (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.1 Install block A (1)	BCWS	0	0	0	0	13,020	0	0	0	0	0	0
1.8.5.7.13.2 Install block B (2)	BCWS	0	0	0	0	5,208	0	0	0	0	0	0
1.8.5.7.13.3 Install block C (3)	BCWS	0	0	0	0	2,604	0	0	0	0	0	0
1.8.5.7.13.4 Install block D (4)	BCWS	0	0	0	0	2,604	0	0	0	0	0	0
1.8.5.7.13.5 Install block E (5)	BCWS	0	0	0	0	0	2,604	0	0	0	0	0
1.8.5.7.13.6 Install block F (6)	BCWS	0	0	0	0	0	2,604	0	0	0	0	0
1.8.5.7.13.8 Install muon catcher	BCWS	0	0	0	0	0	0	0	10,416	0	0	0
1.8.5.7.14.1 Install power supplies, chillers, and filling infrastruct	BCWS	0	0	0	16,147	0	0	0	0	0	0	0
1.8.5.7.14.10 Fill muon catcher with scintillator	BCWS	0	0	0	0	0	0	0	2,847	0	0	0
1.8.5.7.14.11 Outfit electronics for Block B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.12 Outfit electronics for Block C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.13 Outfit electronics for Block E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.14 Install APDs for Blocks A-B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.15 Install APDs for Blocks C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.16 Install APDs for Blocks E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.17 Outfit electronics for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.18 Install APDs for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.2 Fill Block A with scintillator	BCWS	0	0	0	0	0	7,917	0	0	0	0	0
1.8.5.7.14.3 Outfit electronics for Block A	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.5 Fill Block B with scintillator	BCWS	0	0	0	0	0	3,646	0	0	0	0	0
1.8.5.7.14.6 Fill Block C with scintillator	BCWS	0	0	0	0	0	3,646	0	0	0	0	0
1.8.5.7.14.7 Fill Block D with scintillator	BCWS	0	0	0	0	0	3,646	0	0	0	0	0
1.8.5.7.14.8 Fill Block E with scintillator	BCWS	0	0	0	0	0	1,823	1,823	0	0	0	0
1.8.5.7.14.9 Fill Block F with scintillator	BCWS	0	0	0	0	0	0	3,646	0	0	0	0
1.8.6.1.11 Develop 3D integegration and assembly CAD model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.12 Produce 2D assembly and envelope drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.13 Document and review integration and assembly model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.14 Develop 3D integegration and assembly CAD model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.15 Document and review integration and assembly model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.10 Develop fixtures and procedures for block assembly - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.12 Develop tooling for block installation - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.14 Develop tooling for FD block alignment - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.16 Document FD tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.3 Develop block pivoter design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.4 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.5 Develop block assembly platform design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.7 Develop adhesive dispenser design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.8 Design review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.17 Develop block pivoter design - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.18 Develop fixtures and procedures for block assembly - 2 - Pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.19 Conceptual design review of block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.3 Design review: FD mechnical systems and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.10 Fabricate glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.11 Install adhesive dispensing system for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.12 Perform assembly prototype studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.4 Design assembly table, fixtures, and tooling for prototype -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.5 Design glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.6 Design review: full-scale block assembly prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.7 Prepare site infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.8.5.6.3.1 Walkthru of partially completed enclosure (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.3.2 Train experiment personnel in contractor's procedures (OBS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.1 Install north bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.10 Perform QA checks and commission Integration Prototype on	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.11 Review IPND for operational readiness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.2 Install four blocks (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.1 Install block A (1)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.2 Install block B (2)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.3 Install block C (3)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.4 Install block D (4)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.5 Install block E (5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.6 Install block F (6)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.8 Install muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.1 Install power supplies, chillers, and filling infrastruct	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.10 Fill muon catcher with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.11 Outfit electronics for Block B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.12 Outfit electronics for Block C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.13 Outfit electronics for Block E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.14 Install APDs for Blocks A-B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.15 Install APDs for Blocks C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.16 Install APDs for Blocks E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.17 Outfit electronics for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.18 Install APDs for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.2 Fill Block A with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.3 Outfit electronics for Block A	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.5 Fill Block B with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.6 Fill Block C with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.7 Fill Block D with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.8 Fill Block E with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.9 Fill Block F with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.11 Develop 3D integegration and assembly CAD model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.12 Produce 2D assembly and envelope drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.13 Document and review integration and assembly model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.14 Develop 3D integegration and assembly CAD model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.15 Document and review integration and assembly model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.10 Develop fixtures and procedures for block assembly - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.12 Develop tooling for block installation - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.14 Develop tooling for FD block alignment - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.16 Document FD tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.3 Develop block pivoter design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.4 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.5 Develop block assembly platform design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.7 Develop adhesive dispenser design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.8 Design review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.17 Develop block pivoter design - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.18 Develop fixtures and procedures for block assembly - 2 - Pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.19 Conceptual design review of block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.3 Design review: FD mechnical systems and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.10 Fabricate glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.11 Install adhesive dispensing system for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.12 Perform assembly prototype studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.4 Design assembly table, fixtures, and tooling for prototype -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.5 Design glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.6 Design review: full-scale block assembly prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.7 Prepare site infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.8.5.6.3.1 Walkthru of partially completed enclosure (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.3.2 Train experiment personnel in contractor's procedures (OBS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.1 Install north bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.10 Perform QA checks and commission Integration Prototype on	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.11 Review IPND for operational readiness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.2 Install four blocks (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.1 Install block A (1)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.2 Install block B (2)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.3 Install block C (3)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.4 Install block D (4)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.5 Install block E (5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.6 Install block F (6)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.8 Install muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.1 Install power supplies, chillers, and filling infrastruct	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.10 Fill muon catcher with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.11 Outfit electronics for Block B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.12 Outfit electronics for Block C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.13 Outfit electronics for Block E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.14 Install APDs for Blocks A-B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.15 Install APDs for Blocks C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.16 Install APDs for Blocks E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.17 Outfit electronics for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.18 Install APDs for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.2 Fill Block A with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.3 Outfit electronics for Block A	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.5 Fill Block B with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.6 Fill Block C with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.7 Fill Block D with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.8 Fill Block E with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.9 Fill Block F with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.11 Develop 3D integegration and assembly CAD model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.12 Produce 2D assembly and envelope drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.13 Document and review integration and assembly model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.14 Develop 3D integegration and assembly CAD model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.15 Document and review integration and assembly model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.10 Develop fixtures and procedures for block assembly - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.12 Develop tooling for block installation - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.14 Develop tooling for FD block alignment - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.16 Document FD tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.3 Develop block pivoter design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.4 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.5 Develop block assembly platform design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.7 Develop adhesive dispenser design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.8 Design review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.17 Develop block pivoter design - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.18 Develop fixtures and procedures for block assembly - 2 - Pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.19 Conceptual design review of block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.3 Design review: FD mechnical systems and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.10 Fabricate glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.11 Install adhesive dispensing system for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.12 Perform assembly prototype studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.4 Design assembly table, fixtures, and tooling for prototype -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.5 Design glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.6 Design review: full-scale block assembly prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.7 Prepare site infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.8.5.6.3.1 Walkthru of partially completed enclosure (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.3.2 Train experiment personnel in contractor's procedures (OBS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.1 Install north bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.10 Perform QA checks and commission Integration Prototype on	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.11 Review IPND for operational readiness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.2 Install four blocks (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.1 Install block A (1)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.2 Install block B (2)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.3 Install block C (3)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.4 Install block D (4)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.5 Install block E (5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.6 Install block F (6)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.8 Install muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.1 Install power supplies, chillers, and filling infrastruct	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.10 Fill muon catcher with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.11 Outfit electronics for Block B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.12 Outfit electronics for Block C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.13 Outfit electronics for Block E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.14 Install APDs for Blocks A-B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.15 Install APDs for Blocks C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.16 Install APDs for Blocks E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.17 Outfit electronics for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.18 Install APDs for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.2 Fill Block A with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.3 Outfit electronics for Block A	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.5 Fill Block B with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.6 Fill Block C with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.7 Fill Block D with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.8 Fill Block E with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.9 Fill Block F with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.11 Develop 3D integegration and assembly CAD model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.12 Produce 2D assembly and envelope drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.13 Document and review integration and assembly model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.14 Develop 3D integegration and assembly CAD model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.15 Document and review integration and assembly model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.10 Develop fixtures and procedures for block assembly - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.12 Develop tooling for block installation - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.14 Develop tooling for FD block alignment - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.16 Document FD tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.3 Develop block pivoter design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.4 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.5 Develop block assembly platform design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.7 Develop adhesive dispenser design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.8 Design review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.17 Develop block pivoter design - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.18 Develop fixtures and procedures for block assembly - 2 - Pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.19 Conceptual design review of block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.3 Design review: FD mechnical systems and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.10 Fabricate glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.11 Install adhesive dispensing system for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.12 Perform assembly prototype studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.4 Design assembly table, fixtures, and tooling for prototype -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.5 Design glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.6 Design review: full-scale block assembly prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.7 Prepare site infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.8.5.6.3.1 Walkthru of partially completed enclosure (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.6.3.2 Train experiment personnel in contractor's procedures (OBS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.1 Install north bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.10 Perform QA checks and commission Integration Prototype on	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.11 Review IPND for operational readiness	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.2 Install four blocks (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.1 Install block A (1)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.2 Install block B (2)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.3 Install block C (3)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.4 Install block D (4)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.5 Install block E (5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.6 Install block F (6)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.13.8 Install muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.1 Install power supplies, chillers, and filling infrastruct	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.10 Fill muon catcher with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.11 Outfit electronics for Block B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.12 Outfit electronics for Block C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.13 Outfit electronics for Block E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.14 Install APDs for Blocks A-B	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.15 Install APDs for Blocks C-D	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.16 Install APDs for Blocks E-F	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.17 Outfit electronics for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.18 Install APDs for muon catcher	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.2 Fill Block A with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.3 Outfit electronics for Block A	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.5 Fill Block B with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.6 Fill Block C with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.7 Fill Block D with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.8 Fill Block E with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.5.7.14.9 Fill Block F with scintillator	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.11 Develop 3D integegration and assembly CAD model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.12 Produce 2D assembly and envelope drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.13 Document and review integration and assembly model	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.14 Develop 3D integegration and assembly CAD model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.1.15 Document and review integration and assembly model - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.10 Develop fixtures and procedures for block assembly - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.12 Develop tooling for block installation - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.14 Develop tooling for FD block alignment - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.16 Document FD tooling designs	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.3 Develop block pivoter design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.4 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.5 Develop block assembly platform design	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.7 Develop adhesive dispenser design - 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.8 Design review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.17 Develop block pivoter design - 2 - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.18 Develop fixtures and procedures for block assembly - 2 - Pa	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.2.19 Conceptual design review of block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.6.3 Design review: FD mechnical systems and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.10 Fabricate glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.11 Install adhesive dispensing system for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.12 Perform assembly prototype studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.4 Design assembly table, fixtures, and tooling for prototype -	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.5 Design glue machine for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.6 Design review: full-scale block assembly prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.7 Prepare site infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.8.5.6.3.1 Walkthru of partially completed enclosure (OBSOLETE)	BCWS	0	0	655
1.8.5.6.3.2 Train experiment personnel in contractor's procedures (OBS	BCWS	0	0	1,436
1.8.5.7.1 Install north bookend (OBSOLETE)	BCWS	0	0	3,262
1.8.5.7.10 Perform QA checks and commission Integration Prototype on	BCWS	0	0	5,605
1.8.5.7.11 Review IPND for operational readiness	BCWS	0	0	0
1.8.5.7.2 Install four blocks (OBSOLETE)	BCWS	0	0	0
1.8.5.7.13.1 Install block A (1)	BCWS	0	0	13,020
1.8.5.7.13.2 Install block B (2)	BCWS	0	0	5,208
1.8.5.7.13.3 Install block C (3)	BCWS	0	0	2,604
1.8.5.7.13.4 Install block D (4)	BCWS	0	0	2,604
1.8.5.7.13.5 Install block E (5)	BCWS	0	0	2,604
1.8.5.7.13.6 Install block F (6)	BCWS	0	0	2,604
1.8.5.7.13.8 Install muon catcher	BCWS	0	0	10,416
1.8.5.7.14.1 Install power supplies, chillers, and filling infrastruct	BCWS	0	0	16,147
1.8.5.7.14.10 Fill muon catcher with scintillator	BCWS	0	0	2,847
1.8.5.7.14.11 Outfit electronics for Block B	BCWS	0	0	0
1.8.5.7.14.12 Outfit electronics for Block C-D	BCWS	0	0	0
1.8.5.7.14.13 Outfit electronics for Block E-F	BCWS	0	0	0
1.8.5.7.14.14 Install APDs for Blocks A-B	BCWS	0	0	0
1.8.5.7.14.15 Install APDs for Blocks C-D	BCWS	0	0	0
1.8.5.7.14.16 Install APDs for Blocks E-F	BCWS	0	0	0
1.8.5.7.14.17 Outfit electronics for muon catcher	BCWS	0	0	0
1.8.5.7.14.18 Install APDs for muon catcher	BCWS	0	0	0
1.8.5.7.14.2 Fill Block A with scintillator	BCWS	0	0	7,917
1.8.5.7.14.3 Outfit electronics for Block A	BCWS	0	0	0
1.8.5.7.14.5 Fill Block B with scintillator	BCWS	0	0	3,646
1.8.5.7.14.6 Fill Block C with scintillator	BCWS	0	0	3,646
1.8.5.7.14.7 Fill Block D with scintillator	BCWS	0	0	3,646
1.8.5.7.14.8 Fill Block E with scintillator	BCWS	0	0	3,646
1.8.5.7.14.9 Fill Block F with scintillator	BCWS	0	0	3,646
1.8.6.1.11 Develop 3D integegration and assembly CAD model	BCWS	0	0	101,130
1.8.6.1.12 Produce 2D assembly and envelope drawings	BCWS	0	0	11,049
1.8.6.1.13 Document and review integration and assembly model	BCWS	0	0	7,453
1.8.6.1.14 Develop 3D integegration and assembly CAD model - Part 2	BCWS	0	0	48,022
1.8.6.1.15 Document and review integration and assembly model - Part 2	BCWS	0	0	894
1.8.6.2.10 Develop fixtures and procedures for block assembly - 2	BCWS	0	0	3,082
1.8.6.2.12 Develop tooling for block installation - 2	BCWS	0	0	2,232
1.8.6.2.14 Develop tooling for FD block alignment - 2	BCWS	0	0	2,232
1.8.6.2.16 Document FD tooling designs	BCWS	0	0	3,064
1.8.6.2.3 Develop block pivoter design - 2	BCWS	0	0	16,181
1.8.6.2.4 Design review: block pivoter	BCWS	0	0	0
1.8.6.2.5 Develop block assembly platform design	BCWS	0	0	13,884
1.8.6.2.7 Develop adhesive dispenser design - 2	BCWS	0	0	9,723
1.8.6.2.8 Design review: adhesive dispenser	BCWS	0	0	0
1.8.6.2.17 Develop block pivoter design - 2 - Part 2	BCWS	0	0	5,822
1.8.6.2.18 Develop fixtures and procedures for block assembly - 2 - Pa	BCWS	0	0	2,218
1.8.6.2.19 Conceptual design review of block pivoter	BCWS	0	0	3,270
1.8.6.3 Design review: FD mechnical systems and tooling	BCWS	0	0	0
1.8.8.1.10 Fabricate glue machine for prototype	BCWS	0	0	35,412
1.8.8.1.11 Install adhesive dispensing system for prototype	BCWS	0	0	14,968
1.8.8.1.12 Perform assembly prototype studies	BCWS	0	0	112,868
1.8.8.1.4 Design assembly table, fixtures, and tooling for prototype -	BCWS	0	0	25,858
1.8.8.1.5 Design glue machine for prototype	BCWS	0	0	13,046
1.8.8.1.6 Design review: full-scale block assembly prototype	BCWS	0	0	0
1.8.8.1.7 Prepare site infrastructure	BCWS	0	0	31,880

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
1.8.8.1.8 Fabricate fixtures, and tooling for prototype	BCWS	0	0	0	0	0	0	0	0	9,294	0	0
1.8.8.1.9 Prepare block assembly surface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.14 Prepare site infrastructure - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.15 Fabricate fixtures, and tooling for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.16 Fabricate glue machine for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.17 Procure new sealant dispensing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.10 Prepare FHEP block assembly site at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.11 Assemble FHEP block 1 at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.12 Install FHEP block 1 at FNAL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.16 Fill FHEP block with water (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.18 Measure FHEP mechanical characteristics (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.19 Measure FHEP long-term deformations (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.4 Design FHEP block raiser, fixtures, and tooling	BCWS	0	0	0	0	0	1,752	2,640	2,296	2,066	0	0
1.8.8.2.5 Design review: full-height engineering prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.7 Prepare FHEP site at FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.8 Procure and install FHEP structure monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.9 Fabricate FHEP strongback, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.21 Design FHEP block raiser, fixtures, and tooling - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.22 Develop FHEP and far detector adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.23 Design FHEP/Far Detector compression fixturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.24 Fabricate FHEP compression plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.25 FHEP module-pallet interface studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.26 FHEP module-pallet interface material (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.27 Move rotation idler table for FHEP construction (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.28 FHEP alignment design and tooling (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.29 FHEP scaffolding (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.1 Labor	BCWS	0	4,996	5,095	9,670	10,591	8,018	0	0	0	0	0
1.8.9.2.2.2 Travel	BCWS	0	1,619	1,545	1,545	1,692	1,305	0	0	0	0	0
1.8.9.3.1 Labor	BCWS	0	0	0	0	0	0	10,958	10,419	8,948	5,283	5,283
1.8.9.3.2 Travel	BCWS	0	0	0	0	0	0	1,737	1,652	1,418	0	0
1.9.1.1 FNAL Management 06	BCWS	0	0	0	0	0	8,685,697	0	0	0	0	0
1.9.1.2 PRE CD-1 COSTS	BCWS	0	0	0	0	0	0	105,122	10,055	0	0	0
1.9.2.2.1 Labor	BCWS	0	65,291	62,323	62,323	68,259	52,628	0	0	0	0	0
1.9.2.2.2 Travel	BCWS	0	1,917	1,830	1,830	2,004	1,545	0	0	0	0	0
1.9.2.2.3 Equipment	BCWS	0	1,723	1,644	1,644	1,801	1,388	0	0	0	0	0
1.9.2.2.4 Materials and supplies	BCWS	0	2,232	2,131	2,131	2,334	1,799	0	0	0	0	0
1.9.2.3 CDR Costs - Detector	BCWS	0	9,343	8,918	8,918	9,767	7,531	0	0	0	0	0
2.0.1.1.1.1.2 Receive & Inspect Tooling Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.3 Assemble Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.1 Final Design Wide Gap MLA Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.2 Prep Req & Award PO for MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.3 Receive & Inspect MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.4 Fabricate & Assemble MLA_W Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.5 Purchase 2 MLAW magnets from TD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.1 Install IL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.2 Install EL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.3 Install BA Mods Controls/Timing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.1 MSG Mirror Magnets Identify Accceptable Spare SGD Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.2 Measure MSG002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.1 Procure IL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.2 Procure EL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.10 Install & Test EL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.11 Install EL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.13 Intermediate RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.14 Pre-Shutdown RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
1.8.8.1.8 Fabricate fixtures, and tooling for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.9 Prepare block assembly surface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.14 Prepare site infrastructure - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.15 Fabricate fixtures, and tooling for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.16 Fabricate glue machine for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.17 Procure new sealant dispensing equipment	BCWS	0	0	0	0	0	0	0	0	13,398	33,495	33,495
1.8.8.2.10 Prepare FHEP block assembly site at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.11 Assemble FHEP block 1 at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.12 Install FHEP block 1 at FNAL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.16 Fill FHEP block with water (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.18 Measure FHEP mechanical characteristics (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.19 Measure FHEP long-term deformations (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.4 Design FHEP block raiser, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.5 Design review: full-height engineering prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.7 Prepare FHEP site at FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.8 Procure and install FHEP structure monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.9 Fabricate FHEP strongback, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.21 Design FHEP block raiser, fixtures, and tooling - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.22 Develop FHEP and far detector adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.23 Design FHEP/Far Detector compression fixturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.24 Fabricate FHEP compression plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.25 FHEP module-pallet interface studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.26 FHEP module-pallet interface material (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.27 Move rotation idler table for FHEP construction (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.28 FHEP alignment design and tooling (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.29 FHEP scaffolding (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.1 Labor	BCWS	5,283	5,535	5,283	5,283	5,535	5,283	5,032	0	0	0	0
1.8.9.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.1 FNAL Management 06	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.2 PRE CD-1 COSTS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.3 CDR Costs - Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.2 Receive & Inspect Tooling Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.3 Assemble Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.1 Final Design Wide Gap MLA Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.2 Prep Req & Award PO for MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.3 Receive & Inspect MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.4 Fabricate & Assemble MLA_W Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.5 Purchase 2 MLAW magnets from TD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.1 Install IL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.2 Install EL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.3 Install BA Mods Controls/Timing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.1 MSG Mirror Magnets Identify Accceptable Spare SGD Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.2 Measure MSG002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.1 Procure IL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.2 Procure EL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.10 Install & Test EL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.11 Install EL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.13 Intermediate RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.14 Pre-Shutdown RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
1.8.8.1.8 Fabricate fixtures, and tooling for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.9 Prepare block assembly surface	BCWS	0	9,353	0	0	0	0	0	0	0	0	0
1.8.8.1.14 Prepare site infrastructure - Part 2	BCWS	14,128	0	0	0	0	0	0	0	0	0	0
1.8.8.1.15 Fabricate fixtures, and tooling for prototype - Part 2	BCWS	35,984	12,595	0	0	0	0	0	0	0	0	0
1.8.8.1.16 Fabricate glue machine for prototype - Part 2	BCWS	17,712	4,428	0	0	0	0	0	0	0	0	0
1.8.8.1.17 Procure new sealant dispensing equipment	BCWS	20,097	0	0	0	0	0	0	0	0	0	0
1.8.8.2.10 Prepare FHEP block assembly site at ANL (Obsolete)	BCWS	0	0	0	0	0	3,260	4,891	0	0	0	0
1.8.8.2.11 Assemble FHEP block 1 at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.12 Install FHEP block 1 at FNAL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.16 Fill FHEP block with water (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.18 Measure FHEP mechanical characteristics (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.19 Measure FHEP long-term deformations (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.4 Design FHEP block raiser, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.5 Design review: full-height engineering prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.7 Prepare FHEP site at FNAL	BCWS	0	0	0	25,604	33,631	1,529	0	0	0	0	0
1.8.8.2.8 Procure and install FHEP structure monitoring system	BCWS	0	0	0	3,409	4,776	4,559	0	0	0	0	0
1.8.8.2.9 Fabricate FHEP strongback, fixtures, and tooling	BCWS	0	0	0	35,885	46,640	44,520	0	0	0	0	0
1.8.8.2.21 Design FHEP block raiser, fixtures, and tooling - Part 2	BCWS	4,875	5,362	3,656	0	0	0	0	0	0	0	0
1.8.8.2.22 Develop FHEP and far detector adhesive dispenser	BCWS	0	0	0	45,328	49,969	13,628	0	0	0	0	0
1.8.8.2.23 Design FHEP/Far Detector compression fixturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.24 Fabricate FHEP compression plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.25 FHEP module-pallet interface studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.26 FHEP module-pallet interface material (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.27 Move rotation idler table for FHEP construction (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.28 FHEP alignment design and tooling (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.29 FHEP scaffolding (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.1 FNAL Management 06	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.2 PRE CD-1 COSTS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.3 CDR Costs - Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.2 Receive & Inspect Tooling Parts	BCWS	0	0	2,058	18,519	0	0	0	0	0	0	0
2.0.1.1.1.1.3 Assemble Tooling	BCWS	0	0	0	4,059	3,684	0	0	0	0	0	0
2.0.1.1.1.10.1 Final Design Wide Gap MLA Magnets (OBSOLETE)	BCWS	0	0	21,002	23,336	2,581	0	0	0	0	0	0
2.0.1.1.1.10.2 Prep Req & Award PO for MLA_W Parts (OBSOLETE)	BCWS	0	0	171	1,137	1,389	1,389	189	0	0	0	0
2.0.1.1.1.10.3 Receive & Inspect MLA_W Parts (OBSOLETE)	BCWS	0	0	0	14,578	24,843	24,843	23,713	23,713	12,513	0	0
2.0.1.1.1.10.4 Fabricate & Assemble MLA_W Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.5 Purchase 2 MLAW magnets from TD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.1 Install IL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.2 Install EL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.3 Install BA Mods Controls/Timing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.1 MSG Mirror Magnets Identify Accceptable Spare SGD Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.2 Measure MSG002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.1 Procure IL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.2 Procure EL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.10 Install & Test EL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.11 Install EL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.13 Intermediate RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.14 Pre-Shutdown RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
1.8.8.1.8 Fabricate fixtures, and tooling for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.9 Prepare block assembly surface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.14 Prepare site infrastructure - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.15 Fabricate fixtures, and tooling for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.16 Fabricate glue machine for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.17 Procure new sealant dispensing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.10 Prepare FHEP block assembly site at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.11 Assemble FHEP block 1 at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.12 Install FHEP block 1 at FNAL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.16 Fill FHEP block with water (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.18 Measure FHEP mechanical characteristics (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.19 Measure FHEP long-term deformations (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.4 Design FHEP block raiser, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.5 Design review: full-height engineering prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.7 Prepare FHEP site at FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.8 Procure and install FHEP structure monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.9 Fabricate FHEP strongback, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.21 Design FHEP block raiser, fixtures, and tooling - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.22 Develop FHEP and far detector adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.23 Design FHEP/Far Detector compression fixturing	BCWS	0	0	0	0	0	0	0	0	0	14,205	0
1.8.8.2.24 Fabricate FHEP compression plates	BCWS	0	0	0	0	0	0	0	0	0	6,486	15,135
1.8.8.2.25 FHEP module-pallet interface studies	BCWS	0	0	0	0	0	0	0	0	0	0	9,320
1.8.8.2.26 FHEP module-pallet interface material (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.27 Move rotation idler table for FHEP construction (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	3,474	0
1.8.8.2.28 FHEP alignment design and tooling (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	2,908	55,254
1.8.8.2.29 FHEP scaffolding (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	2,410
1.8.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.1 FNAL Management 06	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.2 PRE CD-1 COSTS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.3 CDR Costs - Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.2 Receive & Inspect Tooling Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.3 Assemble Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.1 Final Design Wide Gap MLA Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.2 Prep Req & Award PO for MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.3 Receive & Inspect MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.4 Fabricate & Assemble MLA_W Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.5 Purchase 2 MLAW magnets from TD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.1 Install IL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.2 Install EL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.3 Install BA Mods Controls/Timing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.1 MSG Mirror Magnets Identify Accceptable Spare SGD Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.2 Measure MSG002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.1 Procure IL Magnet Cables & Instrumentation Cables	BCWS	0	0	29,786	36,405	0	0	0	0	0	0	0
2.0.1.1.1.13.2 Procure EL Magnet Cables & Instrumentation Cables	BCWS	0	0	19,105	23,350	0	0	0	0	0	0	0
2.0.1.1.1.14.10 Install & Test EL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.11 Install EL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.13 Intermediate RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	5,184	28,663	27,298
2.0.1.1.1.14.14 Pre-Shutdown RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
1.8.8.1.8 Fabricate fixtures, and tooling for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.9 Prepare block assembly surface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.14 Prepare site infrastructure - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.15 Fabricate fixtures, and tooling for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.16 Fabricate glue machine for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.17 Procure new sealant dispensing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.10 Prepare FHEP block assembly site at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.11 Assemble FHEP block 1 at ANL (Obsolete)	BCWS	0	0	0	24,167	84,583	12,083	0	0	0	0	0
1.8.8.2.12 Install FHEP block 1 at FNAL (Obsolete)	BCWS	0	0	0	0	0	10,963	0	0	0	0	0
1.8.8.2.16 Fill FHEP block with water (Obsolete)	BCWS	0	0	0	0	0	6,603	0	0	0	0	0
1.8.8.2.18 Measure FHEP mechanical characteristics (Obsolete)	BCWS	0	0	0	0	0	12,424	34,165	0	0	0	0
1.8.8.2.19 Measure FHEP long-term deformations (Obsolete)	BCWS	0	0	0	0	0	0	0	1,354	1,557	1,421	1,490
1.8.8.2.4 Design FHEP block raiser, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.5 Design review: full-height engineering prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.7 Prepare FHEP site at FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.8 Procure and install FHEP structure monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.9 Fabricate FHEP strongback, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.21 Design FHEP block raiser, fixtures, and tooling - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.22 Develop FHEP and far detector adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.23 Design FHEP/Far Detector compression fixturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.24 Fabricate FHEP compression plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.25 FHEP module-pallet interface studies	BCWS	21,746	0	0	0	0	0	0	0	0	0	0
1.8.8.2.26 FHEP module-pallet interface material (Obsolete)	BCWS	2,733	0	0	0	0	0	0	0	0	0	0
1.8.8.2.27 Move rotation idler table for FHEP construction (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.28 FHEP alignment design and tooling (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.29 FHEP scaffolding (Obsolete)	BCWS	21,692	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.1 FNAL Management 06	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.2 PRE CD-1 COSTS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.3 CDR Costs - Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.2 Receive & Inspect Tooling Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.3 Assemble Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.1 Final Design Wide Gap MLA Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.2 Prep Req & Award PO for MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.3 Receive & Inspect MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.4 Fabricate & Assemble MLA_W Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.5 Purchase 2 MLAW magnets from TD	BCWS	0	0	0	0	544,708	0	0	0	0	0	0
2.0.1.1.1.11.1 Install IL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.2 Install EL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.3 Install BA Mods Controls/Timing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.1 MSG Mirror Magnets Identify Accceptable Spare SGD Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.2 Measure MSG002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.1 Procure IL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.2 Procure EL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.10 Install & Test EL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.11 Install EL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.13 Intermediate RR-30 SS Installation Planning	BCWS	27,298	25,933	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.14 Pre-Shutdown RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	25,593	37,550

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
1.8.8.1.8 Fabricate fixtures, and tooling for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.9 Prepare block assembly surface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.14 Prepare site infrastructure - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.15 Fabricate fixtures, and tooling for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.16 Fabricate glue machine for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.17 Procure new sealant dispensing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.10 Prepare FHEP block assembly site at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.11 Assemble FHEP block 1 at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.12 Install FHEP block 1 at FNAL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.16 Fill FHEP block with water (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.18 Measure FHEP mechanical characteristics (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.19 Measure FHEP long-term deformations (Obsolete)	BCWS	1,419	1,348	1,419	1,490	1,561	1,490	1,561	1,490	1,490	1,632	1,348
1.8.8.2.4 Design FHEP block raiser, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.5 Design review: full-height engineering prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.7 Prepare FHEP site at FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.8 Procure and install FHEP structure monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.9 Fabricate FHEP strongback, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.21 Design FHEP block raiser, fixtures, and tooling - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.22 Develop FHEP and far detector adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.23 Design FHEP/Far Detector compression fixturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.24 Fabricate FHEP compression plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.25 FHEP module-pallet interface studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.26 FHEP module-pallet interface material (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.27 Move rotation idler table for FHEP construction (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.28 FHEP alignment design and tooling (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.29 FHEP scaffolding (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.1 FNAL Management 06	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.2 PRE CD-1 COSTS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.3 CDR Costs - Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.2 Receive & Inspect Tooling Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.3 Assemble Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.1 Final Design Wide Gap MLA Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.2 Prep Req & Award PO for MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.3 Receive & Inspect MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.4 Fabricate & Assemble MLA_W Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.5 Purchase 2 MLAW magnets from TD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.1 Install IL Controls/Timing (incl Kicker)	BCWS	0	1,516	6,066	6,369	6,672	3,639	0	0	0	0	0
2.0.1.1.1.11.2 Install EL Controls/Timing (incl Kicker)	BCWS	0	1,516	6,066	6,369	6,672	3,639	0	0	0	0	0
2.0.1.1.1.11.3 Install BA Mods Controls/Timing	BCWS	0	0	0	0	0	28,676	3,186	0	0	0	0
2.0.1.1.1.12.1 MSG Mirror Magnets Identify Accceptable Spare SGD Magne	BCWS	0	0	0	0	13,876	13,876	0	0	0	0	0
2.0.1.1.1.12.2 Measure MSG002	BCWS	0	0	0	0	0	0	2,146	0	0	0	0
2.0.1.1.1.13.1 Procure IL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.2 Procure EL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.10 Install & Test EL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	31,990	0
2.0.1.1.1.14.11 Install EL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	41,268	0
2.0.1.1.1.14.13 Intermediate RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.14 Pre-Shutdown RR-30 SS Installation Planning	BCWS	35,762	16,093	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
1.8.8.1.8 Fabricate fixtures, and tooling for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.9 Prepare block assembly surface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.14 Prepare site infrastructure - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.15 Fabricate fixtures, and tooling for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.16 Fabricate glue machine for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.17 Procure new sealant dispensing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.10 Prepare FHEP block assembly site at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.11 Assemble FHEP block 1 at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.12 Install FHEP block 1 at FNAL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.16 Fill FHEP block with water (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.18 Measure FHEP mechanical characteristics (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.19 Measure FHEP long-term deformations (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.4 Design FHEP block raiser, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.5 Design review: full-height engineering prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.7 Prepare FHEP site at FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.8 Procure and install FHEP structure monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.9 Fabricate FHEP strongback, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.21 Design FHEP block raiser, fixtures, and tooling - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.22 Develop FHEP and far detector adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.23 Design FHEP/Far Detector compression fixturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.24 Fabricate FHEP compression plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.25 FHEP module-pallet interface studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.26 FHEP module-pallet interface material (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.27 Move rotation idler table for FHEP construction (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.28 FHEP alignment design and tooling (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.29 FHEP scaffolding (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.1 FNAL Management 06	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.2 PRE CD-1 COSTS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.3 CDR Costs - Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.2 Receive & Inspect Tooling Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.3 Assemble Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.1 Final Design Wide Gap MLA Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.2 Prep Req & Award PO for MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.3 Receive & Inspect MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.4 Fabricate & Assemble MLA_W Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.5 Purchase 2 MLAW magnets from TD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.1 Install IL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.2 Install EL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.3 Install BA Mods Controls/Timing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.1 MSG Mirror Magnets Identify Accceptable Spare SGD Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.2 Measure MSG002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.1 Procure IL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.2 Procure EL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.10 Install & Test EL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.11 Install EL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.13 Intermediate RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.14 Pre-Shutdown RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
1.8.8.1.8 Fabricate fixtures, and tooling for prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.9 Prepare block assembly surface	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.14 Prepare site infrastructure - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.15 Fabricate fixtures, and tooling for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.16 Fabricate glue machine for prototype - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.1.17 Procure new sealant dispensing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.10 Prepare FHEP block assembly site at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.11 Assemble FHEP block 1 at ANL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.12 Install FHEP block 1 at FNAL (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.16 Fill FHEP block with water (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.18 Measure FHEP mechanical characteristics (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.19 Measure FHEP long-term deformations (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.4 Design FHEP block raiser, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.5 Design review: full-height engineering prototype	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.7 Prepare FHEP site at FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.8 Procure and install FHEP structure monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.9 Fabricate FHEP strongback, fixtures, and tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.21 Design FHEP block raiser, fixtures, and tooling - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.22 Develop FHEP and far detector adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.23 Design FHEP/Far Detector compression fixturing	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.24 Fabricate FHEP compression plates	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.25 FHEP module-pallet interface studies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.26 FHEP module-pallet interface material (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.27 Move rotation idler table for FHEP construction (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.28 FHEP alignment design and tooling (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.8.2.29 FHEP scaffolding (Obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.8.9.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.1 FNAL Management 06	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.1.2 PRE CD-1 COSTS	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.2.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
1.9.2.3 CDR Costs - Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.2 Receive & Inspect Tooling Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.1.3 Assemble Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.1 Final Design Wide Gap MLA Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.2 Prep Req & Award PO for MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.3 Receive & Inspect MLA_W Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.4 Fabricate & Assemble MLA_W Magnets (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.10.5 Purchase 2 MLAW magnets from TD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.1 Install IL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.2 Install EL Controls/Timing (incl Kicker)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.11.3 Install BA Mods Controls/Timing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.1 MSG Mirror Magnets Identify Accceptable Spare SGD Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.12.2 Measure MSG002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.1 Procure IL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.13.2 Procure EL Magnet Cables & Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.10 Install & Test EL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.11 Install EL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.13 Intermediate RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.14 Pre-Shutdown RR-30 SS Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
1.8.8.1.8 Fabricate fixtures, and tooling for prototype	BCWS	0	0	9,294
1.8.8.1.9 Prepare block assembly surface	BCWS	0	0	9,353
1.8.8.1.14 Prepare site infrastructure - Part 2	BCWS	0	0	14,128
1.8.8.1.15 Fabricate fixtures, and tooling for prototype - Part 2	BCWS	0	0	48,579
1.8.8.1.16 Fabricate glue machine for prototype - Part 2	BCWS	0	0	22,140
1.8.8.1.17 Procure new sealant dispensing equipment	BCWS	0	0	100,485
1.8.8.2.10 Prepare FHEP block assembly site at ANL (Obsolete)	BCWS	0	0	8,151
1.8.8.2.11 Assemble FHEP block 1 at ANL (Obsolete)	BCWS	0	0	120,833
1.8.8.2.12 Install FHEP block 1 at FNAL (Obsolete)	BCWS	0	0	10,963
1.8.8.2.16 Fill FHEP block with water (Obsolete)	BCWS	0	0	6,603
1.8.8.2.18 Measure FHEP mechanical characteristics (Obsolete)	BCWS	0	0	46,589
1.8.8.2.19 Measure FHEP long-term deformations (Obsolete)	BCWS	0	0	22,067
1.8.8.2.4 Design FHEP block raiser, fixtures, and tooling	BCWS	0	0	8,754
1.8.8.2.5 Design review: full-height engineering prototype	BCWS	0	0	0
1.8.8.2.7 Prepare FHEP site at FNAL	BCWS	0	0	60,764
1.8.8.2.8 Procure and install FHEP structure monitoring system	BCWS	0	0	12,743
1.8.8.2.9 Fabricate FHEP strongback, fixtures, and tooling	BCWS	0	0	127,045
1.8.8.2.21 Design FHEP block raiser, fixtures, and tooling - Part 2	BCWS	0	0	13,894
1.8.8.2.22 Develop FHEP and far detector adhesive dispenser	BCWS	0	0	108,924
1.8.8.2.23 Design FHEP/Far Detector compression fixturing	BCWS	0	0	14,205
1.8.8.2.24 Fabricate FHEP compression plates	BCWS	0	0	21,621
1.8.8.2.25 FHEP module-pallet interface studies	BCWS	0	0	31,066
1.8.8.2.26 FHEP module-pallet interface material (Obsolete)	BCWS	0	0	2,733
1.8.8.2.27 Move rotation idler table for FHEP construction (Obsolete)	BCWS	0	0	3,474
1.8.8.2.28 FHEP alignment design and tooling (Obsolete)	BCWS	0	0	58,162
1.8.8.2.29 FHEP scaffolding (Obsolete)	BCWS	0	0	24,102
1.8.9.2.2.1 Labor	BCWS	0	0	38,369
1.8.9.2.2.2 Travel	BCWS	0	0	7,707
1.8.9.3.1 Labor	BCWS	0	0	78,125
1.8.9.3.2 Travel	BCWS	0	0	4,807
1.9.1.1 FNAL Management 06	BCWS	0	0	8,685,697
1.9.1.2 PRE CD-1 COSTS	BCWS	0	0	115,177
1.9.2.2.1 Labor	BCWS	0	0	310,825
1.9.2.2.2 Travel	BCWS	0	0	9,125
1.9.2.2.3 Equipment	BCWS	0	0	8,201
1.9.2.2.4 Materials and supplies	BCWS	0	0	10,626
1.9.2.3 CDR Costs - Detector	BCWS	0	0	44,477
2.0.1.1.1.1.2 Receive & Inspect Tooling Parts	BCWS	0	0	20,577
2.0.1.1.1.1.3 Assemble Tooling	BCWS	0	0	7,743
2.0.1.1.1.10.1 Final Design Wide Gap MLA Magnets (OBSOLETE)	BCWS	0	0	46,919
2.0.1.1.1.10.2 Prep Req & Award PO for MLA_W Parts (OBSOLETE)	BCWS	0	0	4,275
2.0.1.1.1.10.3 Receive & Inspect MLA_W Parts (OBSOLETE)	BCWS	0	0	124,203
2.0.1.1.1.10.4 Fabricate & Assemble MLA_W Magnets (OBSOLETE)	BCWS	0	0	0
2.0.1.1.1.10.5 Purchase 2 MLAW magnets from TD	BCWS	0	0	544,708
2.0.1.1.1.11.1 Install IL Controls/Timing (incl Kicker)	BCWS	0	0	24,263
2.0.1.1.1.11.2 Install EL Controls/Timing (incl Kicker)	BCWS	0	0	24,263
2.0.1.1.1.11.3 Install BA Mods Controls/Timing	BCWS	0	0	31,862
2.0.1.1.1.12.1 MSG Mirror Magnets Identify Accceptable Spare SGD Magne	BCWS	0	0	27,751
2.0.1.1.1.12.2 Measure MSG002	BCWS	0	0	2,146
2.0.1.1.1.13.1 Procure IL Magnet Cables & Instrumentation Cables	BCWS	0	0	66,192
2.0.1.1.1.13.2 Procure EL Magnet Cables & Instrumentation Cables	BCWS	0	0	42,455
2.0.1.1.1.14.10 Install & Test EL Instrumentation Cables	BCWS	0	0	31,990
2.0.1.1.1.14.11 Install EL Instrumentation	BCWS	0	0	41,268
2.0.1.1.1.14.13 Intermediate RR-30 SS Installation Planning	BCWS	0	0	114,377
2.0.1.1.1.14.14 Pre-Shutdown RR-30 SS Installation Planning	BCWS	0	0	114,998

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.0.1.1.1.14.15 Install RR-30 SS Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.16 Install RR-30 SS Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.17 Install BA Mods Kicker Magnet w/Stands, Pull RG220 Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.18 Install Temp Shielding & Remove Hot Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.19 Re-Install Components & Remove Temp Shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.2 Intermediate IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.20 Install IL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.21 Install EL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.22 Install RR-30 SS Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.24 Install BA Mods Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.25 Install & Test IL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.3 Pre-Shutdown IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.4 Install IL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.5 Install IL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.7 Intermediate EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.8 Pre-Shutdown EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.9 Install EL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.1 Final Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.10 Prep Req & Award PO for RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.11 Vendor Fab & Receive RR-30 Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.12 Prep Req & Award PO for BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.13 Vendor Fab & Receive BA Kicker Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.14 Prep Req & Award PO for RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.15 Vendor Fab & Receive RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.2 Final Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.3 Final Design RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.4 Final Design BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.5 Final Design Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.6 Prep Req & Award PO for IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.7 Vendor Fab & Receive IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.8 Prep Req & Award PO for EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.9 Vendor Fab & Receive EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.2 Prep Req & Award PO for two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.3 Receive two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.4 Refurbish two (2) remaining bending magnets (currently i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.1 Final Design Vertical Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.2 Prep Req & Award PO for Spang Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.3 Receive Spang Power Supplies (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.4 Procure Regulator Parts for Spang (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.5 Fabricate Regulators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.6 Prep Req & Award PO for Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.7 Receive Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.8 Fabricate & Test Switcher Supply (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.12 Prepare Req's for bulk power supplies & filter racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.13 Receive Power Bulk Power Supplies (four systems)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.14 Receive Filter Racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.15 Assemble Filter Racks and Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.16 Prepare Req's Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.17 Receive Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.18 Assemble Bulk Supply Regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.19 Prepare Req's for Switch Magnet Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.20 Receive Charging Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.21 Receive Bulk Switcher Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.22 Receive Cap Bank	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.23.1 Design enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0

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3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.0.1.1.1.14.15 Install RR-30 SS Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.16 Install RR-30 SS Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.17 Install BA Mods Kicker Magnet w/Stands, Pull RG220 Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.18 Install Temp Shielding & Remove Hot Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.19 Re-Install Components & Remove Temp Shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.2 Intermediate IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.20 Install IL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.21 Install EL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.22 Install RR-30 SS Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.24 Install BA Mods Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.25 Install & Test IL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.3 Pre-Shutdown IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.4 Install IL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.5 Install IL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.7 Intermediate EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.8 Pre-Shutdown EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.9 Install EL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.1 Final Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.10 Prep Req & Award PO for RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.11 Vendor Fab & Receive RR-30 Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.12 Prep Req & Award PO for BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.13 Vendor Fab & Receive BA Kicker Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.14 Prep Req & Award PO for RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.15 Vendor Fab & Receive RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.2 Final Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.3 Final Design RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.4 Final Design BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.5 Final Design Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.6 Prep Req & Award PO for IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.7 Vendor Fab & Receive IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.8 Prep Req & Award PO for EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.9 Vendor Fab & Receive EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.2 Prep Req & Award PO for two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.3 Receive two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.4 Refurbish two (2) remaining bending magnets (currently i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.1 Final Design Vertical Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.2 Prep Req & Award PO for Spang Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.3 Receive Spang Power Supplies (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.4 Procure Regulator Parts for Spang (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.5 Fabricate Regulators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.6 Prep Req & Award PO for Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.7 Receive Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.8 Fabricate & Test Switcher Supply (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.12 Prepare Req's for bulk power supplies & filter racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.13 Receive Power Bulk Power Supplies (four systems)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.14 Receive Filter Racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.15 Assemble Filter Racks and Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.16 Prepare Req's Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.17 Receive Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.18 Assemble Bulk Supply Regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.19 Prepare Req's for Switch Magnet Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.20 Receive Charging Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.21 Receive Bulk Switcher Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.22 Receive Cap Bank	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.23.1 Design enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.0.1.1.1.14.15 Install RR-30 SS Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.16 Install RR-30 SS Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.17 Install BA Mods Kicker Magnet w/Stands, Pull RG220 Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.18 Install Temp Shielding & Remove Hot Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.19 Re-Install Components & Remove Temp Shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.2 Intermediate IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.20 Install IL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.21 Install EL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.22 Install RR-30 SS Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.24 Install BA Mods Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.25 Install & Test IL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.3 Pre-Shutdown IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.4 Install IL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.5 Install IL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.7 Intermediate EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.8 Pre-Shutdown EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.9 Install EL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.1 Final Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	12,269	21,192	11,154
2.0.1.1.1.2.10 Prep Req & Award PO for RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.11 Vendor Fab & Receive RR-30 Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.12 Prep Req & Award PO for BA Kicker Stands	BCWS	47	1,023	791	0	0	0	0	0	0	0	0
2.0.1.1.1.2.13 Vendor Fab & Receive BA Kicker Magnet Stands	BCWS	0	0	240	960	1,110	656	0	0	0	0	0
2.0.1.1.1.2.14 Prep Req & Award PO for RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.15 Vendor Fab & Receive RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.2 Final Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.3 Final Design RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.4 Final Design BA Kicker Stands	BCWS	22,870	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.5 Final Design Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.6 Prep Req & Award PO for IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.7 Vendor Fab & Receive IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.8 Prep Req & Award PO for EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.9 Vendor Fab & Receive EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.2 Prep Req & Award PO for two (2) remaining ADC_W Parts	BCWS	0	0	0	853	1,389	821	0	0	0	0	0
2.0.1.1.1.3.3 Receive two (2) remaining ADC_W Parts	BCWS	0	0	0	1,913	8,516	8,516	387	0	0	0	0
2.0.1.1.1.3.4 Refurbish two (2) remaining bending magnets (currently i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.1 Final Design Vertical Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.2 Prep Req & Award PO for Spang Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.3 Receive Spang Power Supplies (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.4 Procure Regulator Parts for Spang (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.5 Fabricate Regulators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.6 Prep Req & Award PO for Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.7 Receive Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.8 Fabricate & Test Switcher Supply (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.12 Prepare Req's for bulk power supplies & filter racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.13 Receive Power Bulk Power Supplies (four systems)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.14 Receive Filter Racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.15 Assemble Filter Racks and Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.16 Prepare Req's Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.17 Receive Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.18 Assemble Bulk Supply Regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.19 Prepare Req's for Switch Magnet Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.20 Receive Charging Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.21 Receive Bulk Switcher Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.22 Receive Cap Bank	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.23.1 Design enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.0.1.1.1.14.15 Install RR-30 SS Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.16 Install RR-30 SS Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.17 Install BA Mods Kicker Magnet w/Stands, Pull RG220 Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.18 Install Temp Shielding & Remove Hot Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.19 Re-Install Components & Remove Temp Shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.2 Intermediate IL Installation Planning	BCWS	0	0	21,713	26,538	24,125	26,538	25,332	20,506	0	0	0
2.0.1.1.1.14.20 Install IL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.21 Install EL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.22 Install RR-30 SS Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.24 Install BA Mods Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.25 Install & Test IL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.3 Pre-Shutdown IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.4 Install IL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.5 Install IL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.7 Intermediate EL Installation Planning	BCWS	0	0	0	0	22,112	24,324	23,218	24,324	23,218	4,600	0
2.0.1.1.1.14.8 Pre-Shutdown EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.9 Install EL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.1 Final Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.10 Prep Req & Award PO for RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	555
2.0.1.1.1.2.11 Vendor Fab & Receive RR-30 Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.12 Prep Req & Award PO for BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.13 Vendor Fab & Receive BA Kicker Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.14 Prep Req & Award PO for RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.15 Vendor Fab & Receive RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.2 Final Design EL Magnet Stands	BCWS	3,346	22,307	18,961	0	0	0	0	0	0	0	0
2.0.1.1.1.2.3 Final Design RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	21,048	14,032
2.0.1.1.1.2.4 Final Design BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.5 Final Design Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.6 Prep Req & Award PO for IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.7 Vendor Fab & Receive IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.8 Prep Req & Award PO for EL Magnet Stands	BCWS	0	0	0	0	0	625	1,093	364	0	0	0
2.0.1.1.1.2.9 Vendor Fab & Receive EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.2 Prep Req & Award PO for two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.3 Receive two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.4 Refurbish two (2) remaining bending magnets (currently i	BCWS	0	0	0	0	0	54,131	19,684	0	0	0	0
2.0.1.1.1.3.5.1 Final Design Vertical Magnet Power Supplies	BCWS	0	0	0	0	0	0	41,639	0	0	0	0
2.0.1.1.1.3.5.2 Prep Req & Award PO for Spang Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.3 Receive Spang Power Supplies (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.4 Procure Regulator Parts for Spang (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.5 Fabricate Regulators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.6 Prep Req & Award PO for Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.7 Receive Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.8 Fabricate & Test Switcher Supply (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.12 Prepare Req's for bulk power supplies & filter racks	BCWS	0	0	0	0	0	0	0	0	1,041	0	0
2.0.1.1.1.3.5.13 Receive Power Bulk Power Supplies (four systems)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.14 Receive Filter Racks	BCWS	0	0	0	0	0	0	0	0	0	61,274	0
2.0.1.1.1.3.5.15 Assemble Filter Racks and Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.16 Prepare Req's Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	18,180	0	0
2.0.1.1.1.3.5.17 Receive Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	36,763
2.0.1.1.1.3.5.18 Assemble Bulk Supply Regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.19 Prepare Req's for Switch Magnet Supply	BCWS	0	0	0	0	0	0	0	0	13,682	0	0
2.0.1.1.1.3.5.20 Receive Charging Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.21 Receive Bulk Switcher Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.22 Receive Cap Bank	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.23.1 Design enclosures	BCWS	0	0	0	0	0	0	0	0	21,860	20,572	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.0.1.1.1.14.15 Install RR-30 SS Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.16 Install RR-30 SS Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.17 Install BA Mods Kicker Magnet w/Stands, Pull RG220 Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.18 Install Temp Shielding & Remove Hot Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.19 Re-Install Components & Remove Temp Shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.2 Intermediate IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.20 Install IL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.21 Install EL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.22 Install RR-30 SS Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.24 Install BA Mods Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.25 Install & Test IL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.3 Pre-Shutdown IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	18,347	26,918
2.0.1.1.1.14.4 Install IL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.5 Install IL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.7 Intermediate EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.8 Pre-Shutdown EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	16,765	24,598
2.0.1.1.1.14.9 Install EL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.1 Final Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.10 Prep Req & Award PO for RR-30 SS Magnet Stands	BCWS	1,110	500	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.11 Vendor Fab & Receive RR-30 Magnet Stands	BCWS	0	5,720	11,441	13,157	9,725	0	0	0	0	0	0
2.0.1.1.1.2.12 Prep Req & Award PO for BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.13 Vendor Fab & Receive BA Kicker Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.14 Prep Req & Award PO for RR Instrumentation Stands	BCWS	0	0	0	487	1,137	541	0	0	0	0	0
2.0.1.1.1.2.15 Vendor Fab & Receive RR Instrumentation Stands	BCWS	0	0	0	0	0	5,266	10,531	8,138	0	0	0
2.0.1.1.1.2.2 Final Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.3 Final Design RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.4 Final Design BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.5 Final Design Instrumentation Stands	BCWS	0	0	15,435	19,645	0	0	0	0	0	0	0
2.0.1.1.1.2.6 Prep Req & Award PO for IL Magnet Stands	BCWS	0	974	1,083	108	0	0	0	0	0	0	0
2.0.1.1.1.2.7 Vendor Fab & Receive IL Magnet Stands	BCWS	0	0	0	17,122	17,122	17,122	13,860	0	0	0	0
2.0.1.1.1.2.8 Prep Req & Award PO for EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.9 Vendor Fab & Receive EL Magnet Stands	BCWS	9,283	13,567	14,281	16,423	2,856	0	0	0	0	0	0
2.0.1.1.1.3.2 Prep Req & Award PO for two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.3 Receive two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.4 Refurbish two (2) remaining bending magnets (currently i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.1 Final Design Vertical Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.2 Prep Req & Award PO for Spang Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.3 Receive Spang Power Supplies (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.4 Procure Regulator Parts for Spang (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.5 Fabricate Regulators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.6 Prep Req & Award PO for Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.7 Receive Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.8 Fabricate & Test Switcher Supply (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.12 Prepare Req's for bulk power supplies & filter racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.13 Receive Power Bulk Power Supplies (four systems)	BCWS	0	89,055	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.14 Receive Filter Racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.15 Assemble Filter Racks and Power Supplies	BCWS	0	0	0	14,582	0	0	0	0	0	0	0
2.0.1.1.1.3.5.16 Prepare Req's Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.17 Receive Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.18 Assemble Bulk Supply Regulators	BCWS	14,459	13,736	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.19 Prepare Req's for Switch Magnet Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.20 Receive Charging Power Supplies	BCWS	58,958	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.21 Receive Bulk Switcher Power Supply	BCWS	58,958	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.22 Receive Cap Bank	BCWS	41,596	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.23.1 Design enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.0.1.1.1.14.15 Install RR-30 SS Magnets (incl pre-align)	BCWS	0	0	0	0	24,413	85,446	89,515	4,069	0	0	0
2.0.1.1.1.14.16 Install RR-30 SS Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	33,100	0
2.0.1.1.1.14.17 Install BA Mods Kicker Magnet w/Stands, Pull RG220 Cab	BCWS	0	0	0	0	0	0	50,376	0	0	0	0
2.0.1.1.1.14.18 Install Temp Shielding & Remove Hot Components	BCWS	0	266,865	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.19 Re-Install Components & Remove Temp Shielding	BCWS	0	0	0	0	0	0	0	0	0	0	266,865
2.0.1.1.1.14.2 Intermediate IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.20 Install IL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	23,594	37,356
2.0.1.1.1.14.21 Install EL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	33,617
2.0.1.1.1.14.22 Install RR-30 SS Vacuum	BCWS	0	0	0	0	0	0	0	0	0	8,593	32,653
2.0.1.1.1.14.24 Install BA Mods Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	29,180
2.0.1.1.1.14.25 Install & Test IL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	15,995	15,995
2.0.1.1.1.14.3 Pre-Shutdown IL Installation Planning	BCWS	25,637	24,355	19,227	0	0	0	0	0	0	0	0
2.0.1.1.1.14.4 Install IL Magnets (incl pre-align)	BCWS	0	0	0	72,346	75,791	68,901	0	0	0	0	0
2.0.1.1.1.14.5 Install IL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	33,014	8,254
2.0.1.1.1.14.7 Intermediate EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.8 Pre-Shutdown EL Installation Planning	BCWS	23,427	22,255	5,857	0	0	0	0	0	0	0	0
2.0.1.1.1.14.9 Install EL Magnets (incl pre-align)	BCWS	0	0	0	73,957	81,353	55,468	0	0	0	0	0
2.0.1.1.1.2.1 Final Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.10 Prep Req & Award PO for RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.11 Vendor Fab & Receive RR-30 Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.12 Prep Req & Award PO for BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.13 Vendor Fab & Receive BA Kicker Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.14 Prep Req & Award PO for RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.15 Vendor Fab & Receive RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.2 Final Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.3 Final Design RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.4 Final Design BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.5 Final Design Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.6 Prep Req & Award PO for IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.7 Vendor Fab & Receive IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.8 Prep Req & Award PO for EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.9 Vendor Fab & Receive EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.2 Prep Req & Award PO for two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.3 Receive two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.4 Refurbish two (2) remaining bending magnets (currently i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.1 Final Design Vertical Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.2 Prep Req & Award PO for Spang Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.3 Receive Spang Power Supplies (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.4 Procure Regulator Parts for Spang (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.5 Fabricate Regulators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.6 Prep Req & Award PO for Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.7 Receive Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.8 Fabricate & Test Switcher Supply (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.12 Prepare Req's for bulk power supplies & filter racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.13 Receive Power Bulk Power Supplies (four systems)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.14 Receive Filter Racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.15 Assemble Filter Racks and Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.16 Prepare Req's Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.17 Receive Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.18 Assemble Bulk Supply Regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.19 Prepare Req's for Switch Magnet Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.20 Receive Charging Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.21 Receive Bulk Switcher Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.22 Receive Cap Bank	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.23.1 Design enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.0.1.1.1.14.15 Install RR-30 SS Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.16 Install RR-30 SS Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.17 Install BA Mods Kicker Magnet w/Stands, Pull RG220 Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.18 Install Temp Shielding & Remove Hot Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.19 Re-Install Components & Remove Temp Shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.2 Intermediate IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.20 Install IL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.21 Install EL Vacuum System	BCWS	21,955	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.22 Install RR-30 SS Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.24 Install BA Mods Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.25 Install & Test IL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.3 Pre-Shutdown IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.4 Install IL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.5 Install IL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.7 Intermediate EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.8 Pre-Shutdown EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.9 Install EL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.1 Final Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.10 Prep Req & Award PO for RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.11 Vendor Fab & Receive RR-30 Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.12 Prep Req & Award PO for BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.13 Vendor Fab & Receive BA Kicker Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.14 Prep Req & Award PO for RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.15 Vendor Fab & Receive RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.2 Final Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.3 Final Design RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.4 Final Design BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.5 Final Design Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.6 Prep Req & Award PO for IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.7 Vendor Fab & Receive IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.8 Prep Req & Award PO for EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.9 Vendor Fab & Receive EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.2 Prep Req & Award PO for two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.3 Receive two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.4 Refurbish two (2) remaining bending magnets (currently i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.1 Final Design Vertical Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.2 Prep Req & Award PO for Spang Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.3 Receive Spang Power Supplies (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.4 Procure Regulator Parts for Spang (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.5 Fabricate Regulators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.6 Prep Req & Award PO for Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.7 Receive Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.8 Fabricate & Test Switcher Supply (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.12 Prepare Req's for bulk power supplies & filter racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.13 Receive Power Bulk Power Supplies (four systems)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.14 Receive Filter Racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.15 Assemble Filter Racks and Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.16 Prepare Req's Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.17 Receive Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.18 Assemble Bulk Supply Regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.19 Prepare Req's for Switch Magnet Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.20 Receive Charging Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.21 Receive Bulk Switcher Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.22 Receive Cap Bank	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.23.1 Design enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.0.1.1.1.14.15 Install RR-30 SS Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.16 Install RR-30 SS Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.17 Install BA Mods Kicker Magnet w/Stands, Pull RG220 Cab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.18 Install Temp Shielding & Remove Hot Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.19 Re-Install Components & Remove Temp Shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.2 Intermediate IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.20 Install IL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.21 Install EL Vacuum System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.22 Install RR-30 SS Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.24 Install BA Mods Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.25 Install & Test IL Instrumentation Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.3 Pre-Shutdown IL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.4 Install IL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.5 Install IL Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.7 Intermediate EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.8 Pre-Shutdown EL Installation Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.14.9 Install EL Magnets (incl pre-align)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.1 Final Design IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.10 Prep Req & Award PO for RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.11 Vendor Fab & Receive RR-30 Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.12 Prep Req & Award PO for BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.13 Vendor Fab & Receive BA Kicker Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.14 Prep Req & Award PO for RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.15 Vendor Fab & Receive RR Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.2 Final Design EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.3 Final Design RR-30 SS Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.4 Final Design BA Kicker Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.5 Final Design Instrumentation Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.6 Prep Req & Award PO for IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.7 Vendor Fab & Receive IL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.8 Prep Req & Award PO for EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.2.9 Vendor Fab & Receive EL Magnet Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.2 Prep Req & Award PO for two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.3 Receive two (2) remaining ADC_W Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.4 Refurbish two (2) remaining bending magnets (currently i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.1 Final Design Vertical Magnet Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.2 Prep Req & Award PO for Spang Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.3 Receive Spang Power Supplies (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.4 Procure Regulator Parts for Spang (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.5 Fabricate Regulators (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.6 Prep Req & Award PO for Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.7 Receive Switcher Parts (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.8 Fabricate & Test Switcher Supply (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.12 Prepare Req's for bulk power supplies & filter racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.13 Receive Power Bulk Power Supplies (four systems)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.14 Receive Filter Racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.15 Assemble Filter Racks and Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.16 Prepare Req's Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.17 Receive Bulk Supply Regulator Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.18 Assemble Bulk Supply Regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.19 Prepare Req's for Switch Magnet Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.20 Receive Charging Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.21 Receive Bulk Switcher Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.22 Receive Cap Bank	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.23.1 Design enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.0.1.1.1.14.15 Install RR-30 SS Magnets (incl pre-align)	BCWS	0	0	203,444
2.0.1.1.1.14.16 Install RR-30 SS Instrumentation	BCWS	0	0	33,100
2.0.1.1.1.14.17 Install BA Mods Kicker Magnet w/Stands, Pull RG220 Cab	BCWS	0	0	50,376
2.0.1.1.1.14.18 Install Temp Shielding & Remove Hot Components	BCWS	0	0	266,865
2.0.1.1.1.14.19 Re-Install Components & Remove Temp Shielding	BCWS	0	0	266,865
2.0.1.1.1.14.2 Intermediate IL Installation Planning	BCWS	0	0	144,752
2.0.1.1.1.14.20 Install IL Vacuum System	BCWS	0	0	60,950
2.0.1.1.1.14.21 Install EL Vacuum System	BCWS	0	0	55,573
2.0.1.1.1.14.22 Install RR-30 SS Vacuum	BCWS	0	0	41,246
2.0.1.1.1.14.24 Install BA Mods Vacuum	BCWS	0	0	29,180
2.0.1.1.1.14.25 Install & Test IL Instrumentation Cables	BCWS	0	0	31,990
2.0.1.1.1.14.3 Pre-Shutdown IL Installation Planning	BCWS	0	0	114,484
2.0.1.1.1.14.4 Install IL Magnets (incl pre-align)	BCWS	0	0	217,039
2.0.1.1.1.14.5 Install IL Instrumentation	BCWS	0	0	41,268
2.0.1.1.1.14.7 Intermediate EL Installation Planning	BCWS	0	0	121,796
2.0.1.1.1.14.8 Pre-Shutdown EL Installation Planning	BCWS	0	0	92,902
2.0.1.1.1.14.9 Install EL Magnets (incl pre-align)	BCWS	0	0	210,777
2.0.1.1.1.2.1 Final Design IL Magnet Stands	BCWS	0	0	44,615
2.0.1.1.1.2.10 Prep Req & Award PO for RR-30 SS Magnet Stands	BCWS	0	0	2,165
2.0.1.1.1.2.11 Vendor Fab & Receive RR-30 Magnet Stands	BCWS	0	0	40,042
2.0.1.1.1.2.12 Prep Req & Award PO for BA Kicker Stands	BCWS	0	0	1,860
2.0.1.1.1.2.13 Vendor Fab & Receive BA Kicker Magnet Stands	BCWS	0	0	2,966
2.0.1.1.1.2.14 Prep Req & Award PO for RR Instrumentation Stands	BCWS	0	0	2,165
2.0.1.1.1.2.15 Vendor Fab & Receive RR Instrumentation Stands	BCWS	0	0	23,935
2.0.1.1.1.2.2 Final Design EL Magnet Stands	BCWS	0	0	44,615
2.0.1.1.1.2.3 Final Design RR-30 SS Magnet Stands	BCWS	0	0	35,080
2.0.1.1.1.2.4 Final Design BA Kicker Stands	BCWS	0	0	22,870
2.0.1.1.1.2.5 Final Design Instrumentation Stands	BCWS	0	0	35,080
2.0.1.1.1.2.6 Prep Req & Award PO for IL Magnet Stands	BCWS	0	0	2,165
2.0.1.1.1.2.7 Vendor Fab & Receive IL Magnet Stands	BCWS	0	0	65,225
2.0.1.1.1.2.8 Prep Req & Award PO for EL Magnet Stands	BCWS	0	0	2,082
2.0.1.1.1.2.9 Vendor Fab & Receive EL Magnet Stands	BCWS	0	0	56,411
2.0.1.1.1.3.2 Prep Req & Award PO for two (2) remaining ADC_W Parts	BCWS	0	0	3,063
2.0.1.1.1.3.3 Receive two (2) remaining ADC_W Parts	BCWS	0	0	19,332
2.0.1.1.1.3.4 Refurbish two (2) remaining bending magnets (currently i	BCWS	0	0	73,815
2.0.1.1.1.3.5.1 Final Design Vertical Magnet Power Supplies	BCWS	0	0	41,639
2.0.1.1.1.3.5.2 Prep Req & Award PO for Spang Power Supplies	BCWS	0	0	0
2.0.1.1.1.3.5.3 Receive Spang Power Supplies (OBSOLETE)	BCWS	0	0	0
2.0.1.1.1.3.5.4 Procure Regulator Parts for Spang (OBSOLETE)	BCWS	0	0	0
2.0.1.1.1.3.5.5 Fabricate Regulators (OBSOLETE)	BCWS	0	0	0
2.0.1.1.1.3.5.6 Prep Req & Award PO for Switcher Parts (OBSOLETE)	BCWS	0	0	0
2.0.1.1.1.3.5.7 Receive Switcher Parts (OBSOLETE)	BCWS	0	0	0
2.0.1.1.1.3.5.8 Fabricate & Test Switcher Supply (OBSOLETE)	BCWS	0	0	0
2.0.1.1.1.3.5.12 Prepare Req's for bulk power supplies & filter racks	BCWS	0	0	1,041
2.0.1.1.1.3.5.13 Receive Power Bulk Power Supplies (four systems)	BCWS	0	0	89,055
2.0.1.1.1.3.5.14 Receive Filter Racks	BCWS	0	0	61,274
2.0.1.1.1.3.5.15 Assemble Filter Racks and Power Supplies	BCWS	0	0	14,582
2.0.1.1.1.3.5.16 Prepare Req's Bulk Supply Regulator Parts	BCWS	0	0	18,180
2.0.1.1.1.3.5.17 Receive Bulk Supply Regulator Parts	BCWS	0	0	36,763
2.0.1.1.1.3.5.18 Assemble Bulk Supply Regulators	BCWS	0	0	28,195
2.0.1.1.1.3.5.19 Prepare Req's for Switch Magnet Supply	BCWS	0	0	13,682
2.0.1.1.1.3.5.20 Receive Charging Power Supplies	BCWS	0	0	58,958
2.0.1.1.1.3.5.21 Receive Bulk Switcher Power Supply	BCWS	0	0	58,958
2.0.1.1.1.3.5.22 Receive Cap Bank	BCWS	0	0	41,596
2.0.1.1.1.3.5.23.1 Design enclosures	BCWS	0	0	42,432

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.0.1.1.1.3.5.23.2 Design SCR and IGbT switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.24 Prepare reqs for switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.1 Receive enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.2 Receive SCR and IGbT parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.3 Receive misc hardware and materials	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.26 Prepare req for DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.27 Receive DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.1 Assemble enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.2 Assemble cap bank and switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.1 Design regulator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.2 Board layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.30 Prepare req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.31 Receive req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.32 Assemble switch supply regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.33 Prepare req Switch Supply Load Cable & Dedicated 208V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.34 Receive switch supply load cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.35 Receive switch supply dedicated 208VAC transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.36 Test switch magnet power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.37 Install and test all power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.38 Install Vertical Dipole Magnet PS Cables for Injectio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.39 Install Vertical Dipole Magnet PS Cables for Extracti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.40 Install 2 each Vertical Dipole Magnet PS Cables for E	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.41 Install Vertical Dipole Magnet PS Cables for Injecti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.42 Install Vertical Switch Magnet PS Cables for 8 Gev Ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.43 Install Dedicated 208VAC Transformer for Switch Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.6 Final design of ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.7 Procure and fabricate ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.1 Layout System 16 switcher channels at MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.2 Prepare Req's for switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.3 Receive switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.4 Prepare Req for switcher cell assembly at local comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.5 Receive Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.6 Test Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.1 Prepare req's for bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.2 Receive bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.1 Prepare req's for system racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.2 Receive racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.3 Assemble racks install switcher cells (cable, connec	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.1 Prepare Req's for Bulk Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.2 Receive bulk power supply controller parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.3 Test Bulk power supply controller	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.4 Install and test bulk power supply controller (cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.1 Layout cable routing to tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.2 Prepare Req's for cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.3 Receive cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.1 Install Dipole Magnet PS Cables for Injection Line 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.2 Install Quad Magnet PS Cables for Extraction from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.3 Install and Test all Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.1 Final Engineering Design for new quadrupole magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.2 Prep Purch Req & Award PO for refurbished magnets from t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.3 Receive & Inspect Parts for refurbished magnets from tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.5 Access Magnets from Storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.10 Trim/modify 4 magnets in storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.11 Prep req and award PO for parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.12 Receive and inspect parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.0.1.1.1.3.5.23.2 Design SCR and IGbT switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.24 Prepare reqs for switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.1 Receive enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.2 Receive SCR and IGbT parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.3 Receive misc hardware and materials	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.26 Prepare req for DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.27 Receive DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.1 Assemble enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.2 Assemble cap bank and switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.1 Design regulator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.2 Board layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.30 Prepare req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.31 Receive req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.32 Assemble switch supply regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.33 Prepare req Switch Supply Load Cable & Dedicated 208V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.34 Receive switch supply load cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.35 Receive switch supply dedicated 208VAC transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.36 Test switch magnet power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.37 Install and test all power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.38 Install Vertical Dipole Magnet PS Cables for Injectio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.39 Install Vertical Dipole Magnet PS Cables for Extracti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.40 Install 2 each Vertical Dipole Magnet PS Cables for E	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.41 Install Vertical Dipole Magnet PS Cables for Injecti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.42 Install Vertical Switch Magnet PS Cables for 8 Gev Ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.43 Install Dedicated 208VAC Transformer for Switch Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.6 Final design of ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.7 Procure and fabricate ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.1 Layout System 16 switcher channels at MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.2 Prepare Req's for switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.3 Receive switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.4 Prepare Req for switcher cell assembly at local comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.5 Receive Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.6 Test Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.1 Prepare req's for bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.2 Receive bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.1 Prepare req's for system racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.2 Receive racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.3 Assemble racks install switcher cells (cable, connec	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.1 Prepare Req's for Bulk Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.2 Receive bulk power supply controller parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.3 Test Bulk power supply controller	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.4 Install and test bulk power supply controller (cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.1 Layout cable routing to tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.2 Prepare Req's for cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.3 Receive cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.1 Install Dipole Magnet PS Cables for Injection Line 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.2 Install Quad Magnet PS Cables for Extraction from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.3 Install and Test all Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.1 Final Engineering Design for new quadrupole magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.2 Prep Purch Req & Award PO for refurbished magnets from t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.3 Receive & Inspect Parts for refurbished magnets from tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.5 Access Magnets from Storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.10 Trim/modify 4 magnets in storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.11 Prep req and award PO for parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.12 Receive and inspect parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0

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NV-DEC10	NOvA projec
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.0.1.1.1.3.5.23.2 Design SCR and IGbT switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.24 Prepare reqs for switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.1 Receive enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.2 Receive SCR and IGbT parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.3 Receive misc hardware and materials	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.26 Prepare req for DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.27 Receive DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.1 Assemble enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.2 Assemble cap bank and switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.1 Design regulator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.2 Board layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.30 Prepare req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.31 Receive req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.32 Assemble switch supply regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.33 Prepare req Switch Supply Load Cable & Dedicated 208V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.34 Receive switch supply load cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.35 Receive switch supply dedicated 208VAC transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.36 Test switch magnet power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.37 Install and test all power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.38 Install Vertical Dipole Magnet PS Cables for Injectio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.39 Install Vertical Dipole Magnet PS Cables for Extracti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.40 Install 2 each Vertical Dipole Magnet PS Cables for E	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.41 Install Vertical Dipole Magnet PS Cables for Injecti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.42 Install Vertical Switch Magnet PS Cables for 8 Gev Ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.43 Install Dedicated 208VAC Transformer for Switch Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.6 Final design of ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.7 Procure and fabricate ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.1 Layout System 16 switcher channels at MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.2 Prepare Req's for switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.3 Receive switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.4 Prepare Req for switcher cell assembly at local comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.5 Receive Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.6 Test Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.1 Prepare req's for bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.2 Receive bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.1 Prepare req's for system racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.2 Receive racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.3 Assemble racks install switcher cells (cable, connec	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.1 Prepare Req's for Bulk Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.2 Receive bulk power supply controller parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.3 Test Bulk power supply controller	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.4 Install and test bulk power supply controller (cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.1 Layout cable routing to tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.2 Prepare Req's for cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.3 Receive cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.1 Install Dipole Magnet PS Cables for Injection Line 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.2 Install Quad Magnet PS Cables for Extraction from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.3 Install and Test all Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.1 Final Engineering Design for new quadrupole magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.2 Prep Purch Req & Award PO for refurbished magnets from t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.3 Receive & Inspect Parts for refurbished magnets from tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.5 Access Magnets from Storage	BCWS	0	0	0	0	0	0	0	0	0	0	7,210
2.0.1.1.1.4.10 Trim/modify 4 magnets in storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.11 Prep req and award PO for parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.12 Receive and inspect parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.0.1.1.1.3.5.23.2 Design SCR and IGbT switches	BCWS	0	0	0	0	0	0	0	0	21,860	9,745	0
2.0.1.1.1.3.5.24 Prepare reqs for switch	BCWS	0	0	0	0	0	0	0	0	0	0	5,414
2.0.1.1.1.3.5.25.1 Receive enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.2 Receive SCR and IGbT parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.3 Receive misc hardware and materials	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.26 Prepare req for DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.27 Receive DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.1 Assemble enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.2 Assemble cap bank and switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.1 Design regulator	BCWS	0	0	0	0	0	0	0	0	0	10,827	0
2.0.1.1.1.3.5.29.2 Board layout	BCWS	0	0	0	0	0	0	0	0	0	1,361	12,252
2.0.1.1.1.3.5.30 Prepare req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	2,165
2.0.1.1.1.3.5.31 Receive req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.32 Assemble switch supply regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.33 Prepare req Switch Supply Load Cable & Dedicated 208V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.34 Receive switch supply load cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.35 Receive switch supply dedicated 208VAC transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.36 Test switch magnet power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.37 Install and test all power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.38 Install Vertical Dipole Magnet PS Cables for Injectio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.39 Install Vertical Dipole Magnet PS Cables for Extracti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.40 Install 2 each Vertical Dipole Magnet PS Cables for E	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.41 Install Vertical Dipole Magnet PS Cables for Injecti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.42 Install Vertical Switch Magnet PS Cables for 8 Gev Ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.43 Install Dedicated 208VAC Transformer for Switch Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.6 Final design of ADCW switch cooled beam tube	BCWS	0	0	0	7,919	0	0	0	0	0	0	0
2.0.1.1.1.3.7 Procure and fabricate ADCW switch cooled beam tube	BCWS	0	0	0	0	11,785	0	0	0	0	0	0
2.0.1.1.1.3.8.1.1 Layout System 16 switcher channels at MI-14	BCWS	0	0	0	0	0	0	0	0	1,041	0	0
2.0.1.1.1.3.8.1.2 Prepare Req's for switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	14,582
2.0.1.1.1.3.8.1.3 Receive switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.4 Prepare Req for switcher cell assembly at local comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.5 Receive Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.6 Test Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.1 Prepare req's for bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	1,041	0	0
2.0.1.1.1.3.8.2.2 Receive bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	18,445	0
2.0.1.1.1.3.8.3.1 Prepare req's for system racks	BCWS	0	0	0	0	0	0	0	0	1,041	0	0
2.0.1.1.1.3.8.3.2 Receive racks	BCWS	0	0	0	0	0	0	0	0	0	10,343	0
2.0.1.1.1.3.8.3.3 Assemble racks install switcher cells (cable, connec	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.1 Prepare Req's for Bulk Supply Controls	BCWS	0	0	0	0	0	0	0	0	4,205	2,916	0
2.0.1.1.1.3.8.4.2 Receive bulk power supply controller parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.3 Test Bulk power supply controller	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.4 Install and test bulk power supply controller (cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.1 Layout cable routing to tunnel	BCWS	0	0	0	0	0	0	0	0	1,041	0	0
2.0.1.1.1.3.8.5.2 Prepare Req's for cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	1,083	0
2.0.1.1.1.3.8.5.3 Receive cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	8,404	0
2.0.1.1.1.3.8.6.1 Install Dipole Magnet PS Cables for Injection Line 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.2 Install Quad Magnet PS Cables for Extraction from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.3 Install and Test all Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.1 Final Engineering Design for new quadrupole magnets	BCWS	0	0	0	0	0	0	0	0	8,736	15,275	5,092
2.0.1.1.1.4.2 Prep Purch Req & Award PO for refurbished magnets from t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.3 Receive & Inspect Parts for refurbished magnets from tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.5 Access Magnets from Storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.10 Trim/modify 4 magnets in storage	BCWS	24,633	25,929	1,296	0	0	0	0	0	0	0	0
2.0.1.1.1.4.11 Prep req and award PO for parts for 43 new RQN magnets	BCWS	0	0	0	0	0	815	5,708	0	0	0	0
2.0.1.1.1.4.12 Receive and inspect parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	35,654

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.0.1.1.1.3.5.23.2 Design SCR and IGbT switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.24 Prepare reqs for switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.1 Receive enclosures	BCWS	0	18,445	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.2 Receive SCR and IGbT parts	BCWS	0	5,713	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.3 Receive misc hardware and materials	BCWS	0	25,316	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.26 Prepare req for DCCT	BCWS	0	1,083	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.27 Receive DCCT	BCWS	0	0	0	9,185	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.1 Assemble enclosures	BCWS	0	8,020	2,916	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.2 Assemble cap bank and switch	BCWS	0	0	0	2,187	15,311	15,311	16,041	5,833	0	0	0
2.0.1.1.1.3.5.29.1 Design regulator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.2 Board layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.30 Prepare req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.31 Receive req switch supply regulator parts	BCWS	0	0	14,673	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.32 Assemble switch supply regulators	BCWS	0	0	10,937	16,770	15,311	729	0	0	0	0	0
2.0.1.1.1.3.5.33 Prepare req Switch Supply Load Cable & Dedicated 208V	BCWS	0	0	0	0	0	0	0	5,414	0	0	0
2.0.1.1.1.3.5.34 Receive switch supply load cable	BCWS	0	0	0	0	0	0	0	0	0	64,747	0
2.0.1.1.1.3.5.35 Receive switch supply dedicated 208VAC transformer	BCWS	0	0	0	0	0	0	0	0	0	3,976	0
2.0.1.1.1.3.5.36 Test switch magnet power supply	BCWS	0	0	0	0	0	0	0	0	0	18,119	37,976
2.0.1.1.1.3.5.37 Install and test all power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	1,899
2.0.1.1.1.3.5.38 Install Vertical Dipole Magnet PS Cables for Injectio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.39 Install Vertical Dipole Magnet PS Cables for Extracti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.40 Install 2 each Vertical Dipole Magnet PS Cables for E	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.41 Install Vertical Dipole Magnet PS Cables for Injecti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.42 Install Vertical Switch Magnet PS Cables for 8 Gev Ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.43 Install Dedicated 208VAC Transformer for Switch Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.6 Final design of ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.7 Procure and fabricate ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.1 Layout System 16 switcher channels at MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.2 Prepare Req's for switcher cell parts	BCWS	7,291	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.3 Receive switcher cell parts	BCWS	26,900	25,555	13,450	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.4 Prepare Req for switcher cell assembly at local comp	BCWS	0	0	1,083	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.5 Receive Switcher Cell Assembly	BCWS	0	0	0	0	0	12,176	0	0	0	0	0
2.0.1.1.1.3.8.1.6 Test Switcher Cell Assembly	BCWS	0	0	0	0	0	2,916	0	0	0	0	0
2.0.1.1.1.3.8.2.1 Prepare req's for bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.2 Receive bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.1 Prepare req's for system racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.2 Receive racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.3 Assemble racks install switcher cells (cable, connec	BCWS	0	0	0	0	0	5,243	12,233	0	0	0	0
2.0.1.1.1.3.8.4.1 Prepare Req's for Bulk Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.2 Receive bulk power supply controller parts	BCWS	3,774	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.3 Test Bulk power supply controller	BCWS	1,823	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.4 Install and test bulk power supply controller (cable	BCWS	0	9,059	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.1 Layout cable routing to tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.2 Prepare Req's for cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.3 Receive cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.1 Install Dipole Magnet PS Cables for Injection Line 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.2 Install Quad Magnet PS Cables for Extraction from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.3 Install and Test all Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.1 Final Engineering Design for new quadrupole magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.2 Prep Purch Req & Award PO for refurbished magnets from t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.3 Receive & Inspect Parts for refurbished magnets from tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.5 Access Magnets from Storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.10 Trim/modify 4 magnets in storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.11 Prep req and award PO for parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.12 Receive and inspect parts for 43 new RQN magnets	BCWS	54,853	52,110	32,912	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.0.1.1.1.3.5.23.2 Design SCR and IGbT switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.24 Prepare reqs for switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.1 Receive enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.2 Receive SCR and IGbT parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.3 Receive misc hardware and materials	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.26 Prepare req for DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.27 Receive DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.1 Assemble enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.2 Assemble cap bank and switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.1 Design regulator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.2 Board layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.30 Prepare req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.31 Receive req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.32 Assemble switch supply regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.33 Prepare req Switch Supply Load Cable & Dedicated 208V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.34 Receive switch supply load cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.35 Receive switch supply dedicated 208VAC transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.36 Test switch magnet power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.37 Install and test all power supplies	BCWS	7,595	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.38 Install Vertical Dipole Magnet PS Cables for Injectio	BCWS	0	0	0	11,365	0	0	0	0	0	0	0
2.0.1.1.1.3.5.39 Install Vertical Dipole Magnet PS Cables for Extracti	BCWS	0	0	0	11,365	0	0	0	0	0	0	0
2.0.1.1.1.3.5.40 Install 2 each Vertical Dipole Magnet PS Cables for E	BCWS	0	0	0	11,365	0	0	0	0	0	0	0
2.0.1.1.1.3.5.41 Install Vertical Dipole Magnet PS Cables for Injecti	BCWS	0	0	0	11,365	0	0	0	0	0	0	0
2.0.1.1.1.3.5.42 Install Vertical Switch Magnet PS Cables for 8 Gev Ex	BCWS	0	0	0	16,096	0	0	0	0	0	0	0
2.0.1.1.1.3.5.43 Install Dedicated 208VAC Transformer for Switch Magne	BCWS	0	0	0	11,365	0	0	0	0	0	0	0
2.0.1.1.1.3.6 Final design of ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.7 Procure and fabricate ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.1 Layout System 16 switcher channels at MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.2 Prepare Req's for switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.3 Receive switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.4 Prepare Req for switcher cell assembly at local comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.5 Receive Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.6 Test Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.1 Prepare req's for bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.2 Receive bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.1 Prepare req's for system racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.2 Receive racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.3 Assemble racks install switcher cells (cable, connec	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.1 Prepare Req's for Bulk Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.2 Receive bulk power supply controller parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.3 Test Bulk power supply controller	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.4 Install and test bulk power supply controller (cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.1 Layout cable routing to tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.2 Prepare Req's for cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.3 Receive cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.1 Install Dipole Magnet PS Cables for Injection Line 8	BCWS	0	0	0	21,785	2,421	0	0	0	0	0	0
2.0.1.1.1.3.8.6.2 Install Quad Magnet PS Cables for Extraction from MI	BCWS	0	0	0	21,785	2,421	0	0	0	0	0	0
2.0.1.1.1.3.8.6.3 Install and Test all Power Supplies	BCWS	0	0	0	0	0	9,494	0	0	0	0	0
2.0.1.1.1.4.1 Final Engineering Design for new quadrupole magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.2 Prep Purch Req & Award PO for refurbished magnets from t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.3 Receive & Inspect Parts for refurbished magnets from tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.5 Access Magnets from Storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.10 Trim/modify 4 magnets in storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.11 Prep req and award PO for parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.12 Receive and inspect parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.0.1.1.1.3.5.23.2 Design SCR and IGbT switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.24 Prepare reqs for switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.1 Receive enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.2 Receive SCR and IGbT parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.3 Receive misc hardware and materials	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.26 Prepare req for DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.27 Receive DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.1 Assemble enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.2 Assemble cap bank and switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.1 Design regulator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.2 Board layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.30 Prepare req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.31 Receive req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.32 Assemble switch supply regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.33 Prepare req Switch Supply Load Cable & Dedicated 208V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.34 Receive switch supply load cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.35 Receive switch supply dedicated 208VAC transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.36 Test switch magnet power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.37 Install and test all power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.38 Install Vertical Dipole Magnet PS Cables for Injectio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.39 Install Vertical Dipole Magnet PS Cables for Extracti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.40 Install 2 each Vertical Dipole Magnet PS Cables for E	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.41 Install Vertical Dipole Magnet PS Cables for Injecti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.42 Install Vertical Switch Magnet PS Cables for 8 Gev Ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.43 Install Dedicated 208VAC Transformer for Switch Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.6 Final design of ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.7 Procure and fabricate ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.1 Layout System 16 switcher channels at MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.2 Prepare Req's for switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.3 Receive switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.4 Prepare Req for switcher cell assembly at local comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.5 Receive Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.6 Test Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.1 Prepare req's for bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.2 Receive bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.1 Prepare req's for system racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.2 Receive racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.3 Assemble racks install switcher cells (cable, connec	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.1 Prepare Req's for Bulk Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.2 Receive bulk power supply controller parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.3 Test Bulk power supply controller	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.4 Install and test bulk power supply controller (cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.1 Layout cable routing to tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.2 Prepare Req's for cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.3 Receive cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.1 Install Dipole Magnet PS Cables for Injection Line 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.2 Install Quad Magnet PS Cables for Extraction from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.3 Install and Test all Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.1 Final Engineering Design for new quadrupole magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.2 Prep Purch Req & Award PO for refurbished magnets from t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.3 Receive & Inspect Parts for refurbished magnets from tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.5 Access Magnets from Storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.10 Trim/modify 4 magnets in storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.11 Prep req and award PO for parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.12 Receive and inspect parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.0.1.1.1.3.5.23.2 Design SCR and IGbT switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.24 Prepare reqs for switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.1 Receive enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.2 Receive SCR and IGbT parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.25.3 Receive misc hardware and materials	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.26 Prepare req for DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.27 Receive DCCT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.1 Assemble enclosures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.28.2 Assemble cap bank and switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.1 Design regulator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.29.2 Board layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.30 Prepare req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.31 Receive req switch supply regulator parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.32 Assemble switch supply regulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.33 Prepare req Switch Supply Load Cable & Dedicated 208V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.34 Receive switch supply load cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.35 Receive switch supply dedicated 208VAC transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.36 Test switch magnet power supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.37 Install and test all power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.38 Install Vertical Dipole Magnet PS Cables for Injectio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.39 Install Vertical Dipole Magnet PS Cables for Extracti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.40 Install 2 each Vertical Dipole Magnet PS Cables for E	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.41 Install Vertical Dipole Magnet PS Cables for Injecti	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.42 Install Vertical Switch Magnet PS Cables for 8 Gev Ex	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.5.43 Install Dedicated 208VAC Transformer for Switch Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.6 Final design of ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.7 Procure and fabricate ADCW switch cooled beam tube	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.1 Layout System 16 switcher channels at MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.2 Prepare Req's for switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.3 Receive switcher cell parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.4 Prepare Req for switcher cell assembly at local comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.5 Receive Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.1.6 Test Switcher Cell Assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.1 Prepare req's for bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.2.2 Receive bulk supply magnetics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.1 Prepare req's for system racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.2 Receive racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.3.3 Assemble racks install switcher cells (cable, connec	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.1 Prepare Req's for Bulk Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.2 Receive bulk power supply controller parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.3 Test Bulk power supply controller	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.4.4 Install and test bulk power supply controller (cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.1 Layout cable routing to tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.2 Prepare Req's for cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.5.3 Receive cable and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.1 Install Dipole Magnet PS Cables for Injection Line 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.2 Install Quad Magnet PS Cables for Extraction from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.3.8.6.3 Install and Test all Power Supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.1 Final Engineering Design for new quadrupole magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.2 Prep Purch Req & Award PO for refurbished magnets from t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.3 Receive & Inspect Parts for refurbished magnets from tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.5 Access Magnets from Storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.10 Trim/modify 4 magnets in storage	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.11 Prep req and award PO for parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.12 Receive and inspect parts for 43 new RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.0.1.1.1.3.5.23.2 Design SCR and IGbT switches	BCWS	0	0	31,605
2.0.1.1.1.3.5.24 Prepare reqs for switch	BCWS	0	0	5,414
2.0.1.1.1.3.5.25.1 Receive enclosures	BCWS	0	0	18,445
2.0.1.1.1.3.5.25.2 Receive SCR and IGbT parts	BCWS	0	0	5,713
2.0.1.1.1.3.5.25.3 Receive misc hardware and materials	BCWS	0	0	25,316
2.0.1.1.1.3.5.26 Prepare req for DCCT	BCWS	0	0	1,083
2.0.1.1.1.3.5.27 Receive DCCT	BCWS	0	0	9,185
2.0.1.1.1.3.5.28.1 Assemble enclosures	BCWS	0	0	10,937
2.0.1.1.1.3.5.28.2 Assemble cap bank and switch	BCWS	0	0	54,684
2.0.1.1.1.3.5.29.1 Design regulator	BCWS	0	0	10,827
2.0.1.1.1.3.5.29.2 Board layout	BCWS	0	0	13,613
2.0.1.1.1.3.5.30 Prepare req switch supply regulator parts	BCWS	0	0	2,165
2.0.1.1.1.3.5.31 Receive req switch supply regulator parts	BCWS	0	0	14,673
2.0.1.1.1.3.5.32 Assemble switch supply regulators	BCWS	0	0	43,747
2.0.1.1.1.3.5.33 Prepare req Switch Supply Load Cable & Dedicated 208V	BCWS	0	0	5,414
2.0.1.1.1.3.5.34 Receive switch supply load cable	BCWS	0	0	64,747
2.0.1.1.1.3.5.35 Receive switch supply dedicated 208VAC transformer	BCWS	0	0	3,976
2.0.1.1.1.3.5.36 Test switch magnet power supply	BCWS	0	0	56,095
2.0.1.1.1.3.5.37 Install and test all power supplies	BCWS	0	0	9,494
2.0.1.1.1.3.5.38 Install Vertical Dipole Magnet PS Cables for Injectio	BCWS	0	0	11,365
2.0.1.1.1.3.5.39 Install Vertical Dipole Magnet PS Cables for Extracti	BCWS	0	0	11,365
2.0.1.1.1.3.5.40 Install 2 each Vertical Dipole Magnet PS Cables for E	BCWS	0	0	11,365
2.0.1.1.1.3.5.41 Install Vertical Dipole Magnet PS Cables for Injecti	BCWS	0	0	11,365
2.0.1.1.1.3.5.42 Install Vertical Switch Magnet PS Cables for 8 Gev Ex	BCWS	0	0	16,096
2.0.1.1.1.3.5.43 Install Dedicated 208VAC Transformer for Switch Magne	BCWS	0	0	11,365
2.0.1.1.1.3.6 Final design of ADCW switch cooled beam tube	BCWS	0	0	7,919
2.0.1.1.1.3.7 Procure and fabricate ADCW switch cooled beam tube	BCWS	0	0	11,785
2.0.1.1.1.3.8.1.1 Layout System 16 switcher channels at MI-14	BCWS	0	0	1,041
2.0.1.1.1.3.8.1.2 Prepare Req's for switcher cell parts	BCWS	0	0	21,874
2.0.1.1.1.3.8.1.3 Receive switcher cell parts	BCWS	0	0	65,904
2.0.1.1.1.3.8.1.4 Prepare Req for switcher cell assembly at local comp	BCWS	0	0	1,083
2.0.1.1.1.3.8.1.5 Receive Switcher Cell Assembly	BCWS	0	0	12,176
2.0.1.1.1.3.8.1.6 Test Switcher Cell Assembly	BCWS	0	0	2,916
2.0.1.1.1.3.8.2.1 Prepare req's for bulk supply magnetics	BCWS	0	0	1,041
2.0.1.1.1.3.8.2.2 Receive bulk supply magnetics	BCWS	0	0	18,445
2.0.1.1.1.3.8.3.1 Prepare req's for system racks	BCWS	0	0	1,041
2.0.1.1.1.3.8.3.2 Receive racks	BCWS	0	0	10,343
2.0.1.1.1.3.8.3.3 Assemble racks install switcher cells (cable, connec	BCWS	0	0	17,476
2.0.1.1.1.3.8.4.1 Prepare Req's for Bulk Supply Controls	BCWS	0	0	7,121
2.0.1.1.1.3.8.4.2 Receive bulk power supply controller parts	BCWS	0	0	3,774
2.0.1.1.1.3.8.4.3 Test Bulk power supply controller	BCWS	0	0	1,823
2.0.1.1.1.3.8.4.4 Install and test bulk power supply controller (cable	BCWS	0	0	9,059
2.0.1.1.1.3.8.5.1 Layout cable routing to tunnel	BCWS	0	0	1,041
2.0.1.1.1.3.8.5.2 Prepare Req's for cable and connectors	BCWS	0	0	1,083
2.0.1.1.1.3.8.5.3 Receive cable and connectors	BCWS	0	0	8,404
2.0.1.1.1.3.8.6.1 Install Dipole Magnet PS Cables for Injection Line 8	BCWS	0	0	24,205
2.0.1.1.1.3.8.6.2 Install Quad Magnet PS Cables for Extraction from MI	BCWS	0	0	24,205
2.0.1.1.1.3.8.6.3 Install and Test all Power Supplies	BCWS	0	0	9,494
2.0.1.1.1.4.1 Final Engineering Design for new quadrupole magnets	BCWS	0	0	29,103
2.0.1.1.1.4.2 Prep Purch Req & Award PO for refurbished magnets from t	BCWS	0	0	0
2.0.1.1.1.4.3 Receive & Inspect Parts for refurbished magnets from tun	BCWS	0	0	0
2.0.1.1.1.4.5 Access Magnets from Storage	BCWS	0	0	7,210
2.0.1.1.1.4.10 Trim/modify 4 magnets in storage	BCWS	0	0	51,859
2.0.1.1.1.4.11 Prep req and award PO for parts for 43 new RQN magnets	BCWS	0	0	6,523
2.0.1.1.1.4.12 Receive and inspect parts for 43 new RQN magnets	BCWS	0	0	175,528

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.0.1.1.1.4.13 Fabricate 43 new magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.8 Prep req and award PO for parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.9 Receive and inspect parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.1 Final PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.2 Prep Req & Award PO for IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.3 Receive IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.4 Assemble & Trim IL PDD Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.1 Final Design IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.2 Prep Req & Award PO for IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.3 Receive IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.4 Assemble & Trim IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.7.1 Power Supply Placement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.1 Prep Req & Award PO for SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.2 Receive IL PDS SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.3 Test magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.4 Prep purch req and award PO for PDS magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.5 Receive PDS magnets from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.1 Procure IL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.2 Procure EL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.3 Procure RR-30 SS Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.4 Procure Beam Abort Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.1 Final Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.10 RR Reconsitute 53 Mhz RF System Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.2 RR Prep Req & Award PO for 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.3 RR Receive 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.4 RR Procure 53 Mhz Flanges	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.5 RR Procure 53 Mhz Tetrodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.6 RR Procure 53 Mhz Ceramics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.7 RR Procure 53 Mhz Misc Material	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.8 RR Fabricate 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.9 RR Install 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.1 FY09 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.2 FY10 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.3 FY11 & FY12 Oversight of TD Magnet Construction - RR Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.1 Finial Design IL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.2 Procurement & Fab of Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.3 Relocate Piping & Bus Work, Q-100 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.4 Install Piping to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.5 Connect Power Supplies & Flourinert Skids in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.6 Test & Troubleshoot MI-14 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.1 Final Design EL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.3 Complete Q300 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.4 Connect Power Supplies & Flourinert Skids in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.5 Test & Troubleshoot MI-30 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.1 Final Design RR Abort Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.3 Complete Q403 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.4 Connect Power Supplies & Flourinert Skids in MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.5 Install Piping to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.6 Test & Troubleshoot MI-40 & MI-39 Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.1 Final Design RR RF Cavities Water Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.3 Complete Q600 Area Cavity & Magnet Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.4 Install Piping Drops for RF Cavities Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.0.1.1.1.4.13 Fabricate 43 new magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.8 Prep req and award PO for parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.9 Receive and inspect parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.1 Final PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.2 Prep Req & Award PO for IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.3 Receive IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.4 Assemble & Trim IL PDD Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.1 Final Design IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.2 Prep Req & Award PO for IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.3 Receive IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.4 Assemble & Trim IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.7.1 Power Supply Placement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.1 Prep Req & Award PO for SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.2 Receive IL PDS SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.3 Test magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.4 Prep purch req and award PO for PDS magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.5 Receive PDS magnets from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.1 Procure IL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.2 Procure EL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.3 Procure RR-30 SS Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.4 Procure Beam Abort Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.1 Final Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.10 RR Reconsitute 53 Mhz RF System Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.2 RR Prep Req & Award PO for 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.3 RR Receive 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.4 RR Procure 53 Mhz Flanges	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.5 RR Procure 53 Mhz Tetrodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.6 RR Procure 53 Mhz Ceramics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.7 RR Procure 53 Mhz Misc Material	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.8 RR Fabricate 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.9 RR Install 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.1 FY09 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.2 FY10 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.3 FY11 & FY12 Oversight of TD Magnet Construction - RR Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.1 Finial Design IL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.2 Procurement & Fab of Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.3 Relocate Piping & Bus Work, Q-100 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.4 Install Piping to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.5 Connect Power Supplies & Flourinert Skids in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.6 Test & Troubleshoot MI-14 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.1 Final Design EL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.3 Complete Q300 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.4 Connect Power Supplies & Flourinert Skids in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.5 Test & Troubleshoot MI-30 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.1 Final Design RR Abort Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.3 Complete Q403 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.4 Connect Power Supplies & Flourinert Skids in MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.5 Install Piping to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.6 Test & Troubleshoot MI-40 & MI-39 Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.1 Final Design RR RF Cavities Water Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.3 Complete Q600 Area Cavity & Magnet Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.4 Install Piping Drops for RF Cavities Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.0.1.1.1.4.13 Fabricate 43 new magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.8 Prep req and award PO for parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	6,523	0	0
2.0.1.1.1.4.9 Receive and inspect parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	2,401	4,148	4,366
2.0.1.1.1.5.1 Final PDD Design & Tooling	BCWS	0	0	0	2,643	3,573	0	0	0	0	0	0
2.0.1.1.1.5.2 Prep Req & Award PO for IL PDD Parts	BCWS	0	0	0	796	1,389	1,389	442	0	0	0	0
2.0.1.1.1.5.3 Receive IL PDD Parts	BCWS	0	0	0	8,263	45,714	45,714	35,324	0	0	0	0
2.0.1.1.1.5.4 Assemble & Trim IL PDD Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.1 Final Design IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.2 Prep Req & Award PO for IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.3 Receive IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.4 Assemble & Trim IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.7.1 Power Supply Placement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.1 Prep Req & Award PO for SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	1,305
2.0.1.1.1.8.2 Receive IL PDS SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.3 Test magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.4 Prep purch req and award PO for PDS magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.5 Receive PDS magnets from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.1 Procure IL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.2 Procure EL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.3 Procure RR-30 SS Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.4 Procure Beam Abort Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.1 Final Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	4,104	27,363
2.0.1.1.2.10 RR Reconsitute 53 Mhz RF System Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.2 RR Prep Req & Award PO for 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.3 RR Receive 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.4 RR Procure 53 Mhz Flanges	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.5 RR Procure 53 Mhz Tetrodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.6 RR Procure 53 Mhz Ceramics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.7 RR Procure 53 Mhz Misc Material	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.8 RR Fabricate 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.9 RR Install 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.1 FY09 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	2,347	2,582	2,582	2,347	2,795	2,795	2,668	2,668	0	0	0
2.0.1.1.3.2 FY10 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	2,158	1,864	1,962
2.0.1.1.3.3 FY11 & FY12 Oversight of TD Magnet Construction - RR Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.1 Finial Design IL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.2 Procurement & Fab of Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.3 Relocate Piping & Bus Work, Q-100 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.4 Install Piping to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.5 Connect Power Supplies & Flourinert Skids in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.6 Test & Troubleshoot MI-14 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.1 Final Design EL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.3 Complete Q300 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.4 Connect Power Supplies & Flourinert Skids in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.5 Test & Troubleshoot MI-30 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.1 Final Design RR Abort Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.3 Complete Q403 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.4 Connect Power Supplies & Flourinert Skids in MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.5 Install Piping to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.6 Test & Troubleshoot MI-40 & MI-39 Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.1 Final Design RR RF Cavities Water Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.3 Complete Q600 Area Cavity & Magnet Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.4 Install Piping Drops for RF Cavities Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.0.1.1.1.4.13 Fabricate 43 new magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.8 Prep req and award PO for parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.9 Receive and inspect parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.1 Final PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.2 Prep Req & Award PO for IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.3 Receive IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.4 Assemble & Trim IL PDD Magnets	BCWS	0	0	0	0	11,270	49,587	29,301	0	0	0	0
2.0.1.1.1.6.1 Final Design IL PDDW Magnets	BCWS	0	0	0	0	0	12,750	15,750	1,500	0	0	0
2.0.1.1.1.6.2 Prep Req & Award PO for IL PDDW Parts	BCWS	0	0	0	0	0	0	1,174	1,435	1,370	273	0
2.0.1.1.1.6.3 Receive IL PDDW Parts	BCWS	0	0	0	0	0	0	6,840	18,810	17,955	12,352	0
2.0.1.1.1.6.4 Assemble & Trim IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	11,643	29,940
2.0.1.1.1.7.1 Power Supply Placement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.1 Prep Req & Award PO for SmCo5 bricks	BCWS	5,218	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.2 Receive IL PDS SmCo5 bricks	BCWS	6,532	11,875	13,657	13,063	2,375	0	0	0	0	0	0
2.0.1.1.1.8.3 Test magnets	BCWS	0	0	0	0	0	0	0	0	8,627	20,114	0
2.0.1.1.1.8.4 Prep purch req and award PO for PDS magnet from industry	BCWS	0	0	6,523	0	0	0	0	0	0	0	0
2.0.1.1.1.8.5 Receive PDS magnets from industry	BCWS	0	0	0	0	0	0	0	0	92,170	0	0
2.0.1.1.1.9.1 Procure IL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.2 Procure EL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.3 Procure RR-30 SS Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.4 Procure Beam Abort Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.1 Final Design 53 Mhz RF System	BCWS	23,259	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.10 RR Reconsitute 53 Mhz RF System Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.2 RR Prep Req & Award PO for 53 Mhz RF System Copper	BCWS	0	0	15,883	15,883	0	0	0	0	0	0	0
2.0.1.1.2.3 RR Receive 53 Mhz RF System Copper	BCWS	0	5,599	25,755	24,635	22,396	22,396	0	0	0	0	0
2.0.1.1.2.4 RR Procure 53 Mhz Flanges	BCWS	191	3,828	4,402	2,488	0	0	0	0	0	0	0
2.0.1.1.2.5 RR Procure 53 Mhz Tetrodes	BCWS	1,154	23,072	26,533	14,997	0	0	0	0	0	0	0
2.0.1.1.2.6 RR Procure 53 Mhz Ceramics	BCWS	658	13,167	15,142	14,483	13,167	14,483	6,583	0	0	0	0
2.0.1.1.2.7 RR Procure 53 Mhz Misc Material	BCWS	675	13,499	15,523	14,848	13,499	14,848	6,749	0	0	0	0
2.0.1.1.2.8 RR Fabricate 53 Mhz RF System	BCWS	0	0	0	0	0	0	48,512	97,023	92,613	93,135	88,700
2.0.1.1.2.9 RR Install 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.1 FY09 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.2 FY10 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	1,864	1,962	2,256	2,158	1,962	2,158	2,060	2,158	2,060	0	0
2.0.1.1.3.3 FY11 & FY12 Oversight of TD Magnet Construction - RR Mods	BCWS	0	0	0	0	0	0	0	0	0	1,379	1,313
2.0.1.1.4.1.1 Finial Design IL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.2 Procurement & Fab of Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.3 Relocate Piping & Bus Work, Q-100 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.4 Install Piping to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.5 Connect Power Supplies & Flourinert Skids in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.6 Test & Troubleshoot MI-14 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.1 Final Design EL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.3 Complete Q300 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.4 Connect Power Supplies & Flourinert Skids in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.5 Test & Troubleshoot MI-30 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.1 Final Design RR Abort Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.3 Complete Q403 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.4 Connect Power Supplies & Flourinert Skids in MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.5 Install Piping to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.6 Test & Troubleshoot MI-40 & MI-39 Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.1 Final Design RR RF Cavities Water Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.3 Complete Q600 Area Cavity & Magnet Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.4 Install Piping Drops for RF Cavities Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.0.1.1.1.4.13 Fabricate 43 new magnets	BCWS	0	0	11,367	32,679	29,838	29,838	31,259	28,417	32,679	18,471	0
2.0.1.1.1.4.8 Prep req and award PO for parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.9 Receive and inspect parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.1 Final PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.2 Prep Req & Award PO for IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.3 Receive IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.4 Assemble & Trim IL PDD Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.1 Final Design IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.2 Prep Req & Award PO for IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.3 Receive IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.4 Assemble & Trim IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.7.1 Power Supply Placement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.1 Prep Req & Award PO for SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.2 Receive IL PDS SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.3 Test magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.4 Prep purch req and award PO for PDS magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.5 Receive PDS magnets from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.1 Procure IL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	4,245	18,272
2.0.1.1.1.9.2 Procure EL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	4,245	18,272
2.0.1.1.1.9.3 Procure RR-30 SS Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	11,318	16,245
2.0.1.1.1.9.4 Procure Beam Abort Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	1,505	5,018	5,771	5,269	5,436
2.0.1.1.2.1 Final Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.10 RR Reconsitute 53 Mhz RF System Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.2 RR Prep Req & Award PO for 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.3 RR Receive 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.4 RR Procure 53 Mhz Flanges	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.5 RR Procure 53 Mhz Tetrodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.6 RR Procure 53 Mhz Ceramics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.7 RR Procure 53 Mhz Misc Material	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.8 RR Fabricate 53 Mhz RF System	BCWS	88,700	84,265	88,700	102,005	93,135	93,135	97,570	88,700	79,830	0	0
2.0.1.1.2.9 RR Install 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.1 FY09 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.2 FY10 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.3 FY11 & FY12 Oversight of TD Magnet Construction - RR Mods	BCWS	1,313	1,248	1,313	1,510	1,379	1,379	1,445	1,313	1,510	1,379	1,440
2.0.1.1.4.1.1 Finial Design IL Water Systems	BCWS	0	0	0	0	0	0	2,237	7,456	5,219	0	0
2.0.1.1.4.1.2 Procurement & Fab of Piping Components	BCWS	0	0	0	0	0	0	0	0	0	1,978	2,855
2.0.1.1.4.1.3 Relocate Piping & Bus Work, Q-100 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.4 Install Piping to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.5 Connect Power Supplies & Flourinert Skids in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.6 Test & Troubleshoot MI-14 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.1 Final Design EL Water Systems	BCWS	0	0	0	0	0	0	854	2,846	1,992	0	0
2.0.1.1.4.2.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	1,388	2,011
2.0.1.1.4.2.3 Complete Q300 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.4 Connect Power Supplies & Flourinert Skids in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.5 Test & Troubleshoot MI-30 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.1 Final Design RR Abort Water System	BCWS	0	0	0	0	0	0	854	2,846	1,992	0	0
2.0.1.1.4.3.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	1,506	2,180
2.0.1.1.4.3.3 Complete Q403 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.4 Connect Power Supplies & Flourinert Skids in MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.5 Install Piping to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.6 Test & Troubleshoot MI-40 & MI-39 Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.1 Final Design RR RF Cavities Water Cooling	BCWS	0	0	0	0	0	0	1,383	4,609	3,227	0	0
2.0.1.1.4.4.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	1,624	2,349
2.0.1.1.4.4.3 Complete Q600 Area Cavity & Magnet Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.4 Install Piping Drops for RF Cavities Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.0.1.1.1.4.13 Fabricate 43 new magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.8 Prep req and award PO for parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.9 Receive and inspect parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.1 Final PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.2 Prep Req & Award PO for IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.3 Receive IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.4 Assemble & Trim IL PDD Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.1 Final Design IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.2 Prep Req & Award PO for IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.3 Receive IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.4 Assemble & Trim IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.7.1 Power Supply Placement	BCWS	0	14,075	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.1 Prep Req & Award PO for SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.2 Receive IL PDS SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.3 Test magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.4 Prep purch req and award PO for PDS magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.5 Receive PDS magnets from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.1 Procure IL Misc Mechanical Equip	BCWS	17,402	16,531	17,402	18,272	12,181	0	0	0	0	0	0
2.0.1.1.1.9.2 Procure EL Misc Mechanical Equip	BCWS	17,402	16,531	17,402	18,272	12,181	0	0	0	0	0	0
2.0.1.1.1.9.3 Procure RR-30 SS Misc Mechanical Equipment	BCWS	15,471	14,698	15,471	16,245	3,094	0	0	0	0	0	0
2.0.1.1.1.9.4 Procure Beam Abort Misc Mechanical Equipment	BCWS	5,177	2,330	0	0	0	0	0	0	0	0	0
2.0.1.1.2.1 Final Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.10 RR Reconsitute 53 Mhz RF System Vacuum	BCWS	0	0	0	0	0	0	0	31,852	0	0	0
2.0.1.1.2.2 RR Prep Req & Award PO for 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.3 RR Receive 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.4 RR Procure 53 Mhz Flanges	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.5 RR Procure 53 Mhz Tetrodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.6 RR Procure 53 Mhz Ceramics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.7 RR Procure 53 Mhz Misc Material	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.8 RR Fabricate 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.9 RR Install 53 Mhz RF System	BCWS	0	0	0	0	50,869	106,825	111,912	0	0	0	0
2.0.1.1.3.1 FY09 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.2 FY10 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.3 FY11 & FY12 Oversight of TD Magnet Construction - RR Mods	BCWS	1,371	1,303	1,371	1,440	1,508	1,440	548	0	0	0	0
2.0.1.1.4.1.1 Finial Design IL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.2 Procurement & Fab of Piping Components	BCWS	2,719	2,583	2,719	2,855	2,991	2,855	136	0	0	0	0
2.0.1.1.4.1.3 Relocate Piping & Bus Work, Q-100 Area	BCWS	0	0	0	0	0	0	91,672	0	0	0	0
2.0.1.1.4.1.4 Install Piping to MI-14	BCWS	0	0	0	0	0	0	22,365	0	0	0	0
2.0.1.1.4.1.5 Connect Power Supplies & Flourinert Skids in MI-14	BCWS	0	0	0	0	0	0	9,449	0	0	0	0
2.0.1.1.4.1.6 Test & Troubleshoot MI-14 Water System	BCWS	0	0	0	0	0	0	8,308	0	0	0	0
2.0.1.1.4.2.1 Final Design EL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.2 Procure Piping Components	BCWS	1,915	1,819	1,915	2,011	2,107	2,011	96	0	0	0	0
2.0.1.1.4.2.3 Complete Q300 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	25,720	0	0	0	0
2.0.1.1.4.2.4 Connect Power Supplies & Flourinert Skids in MI-30	BCWS	0	0	0	0	0	0	9,449	0	0	0	0
2.0.1.1.4.2.5 Test & Troubleshoot MI-30 Water System	BCWS	0	0	0	0	0	0	8,251	0	0	0	0
2.0.1.1.4.3.1 Final Design RR Abort Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.2 Procure Piping Components	BCWS	2,076	1,972	2,076	2,180	2,284	2,180	104	0	0	0	0
2.0.1.1.4.3.3 Complete Q403 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	25,615	0	0	0	0
2.0.1.1.4.3.4 Connect Power Supplies & Flourinert Skids in MI-39	BCWS	0	0	0	0	0	0	9,449	0	0	0	0
2.0.1.1.4.3.5 Install Piping to MI-39	BCWS	0	0	0	0	0	0	22,365	0	0	0	0
2.0.1.1.4.3.6 Test & Troubleshoot MI-40 & MI-39 Water Systems	BCWS	0	0	0	0	0	0	8,251	0	0	0	0
2.0.1.1.4.4.1 Final Design RR RF Cavities Water Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.2 Procure Piping Components	BCWS	2,237	2,125	2,237	2,349	2,460	2,349	112	0	0	0	0
2.0.1.1.4.4.3 Complete Q600 Area Cavity & Magnet Relocation Work	BCWS	0	0	0	0	0	0	26,028	0	0	0	0
2.0.1.1.4.4.4 Install Piping Drops for RF Cavities Q600 Region	BCWS	0	0	0	0	0	0	22,413	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.0.1.1.1.4.13 Fabricate 43 new magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.8 Prep req and award PO for parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.9 Receive and inspect parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.1 Final PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.2 Prep Req & Award PO for IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.3 Receive IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.4 Assemble & Trim IL PDD Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.1 Final Design IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.2 Prep Req & Award PO for IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.3 Receive IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.4 Assemble & Trim IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.7.1 Power Supply Placement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.1 Prep Req & Award PO for SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.2 Receive IL PDS SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.3 Test magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.4 Prep purch req and award PO for PDS magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.5 Receive PDS magnets from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.1 Procure IL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.2 Procure EL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.3 Procure RR-30 SS Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.4 Procure Beam Abort Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.1 Final Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.10 RR Reconsitute 53 Mhz RF System Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.2 RR Prep Req & Award PO for 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.3 RR Receive 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.4 RR Procure 53 Mhz Flanges	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.5 RR Procure 53 Mhz Tetrodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.6 RR Procure 53 Mhz Ceramics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.7 RR Procure 53 Mhz Misc Material	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.8 RR Fabricate 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.9 RR Install 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.1 FY09 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.2 FY10 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.3 FY11 & FY12 Oversight of TD Magnet Construction - RR Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.1 Finial Design IL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.2 Procurement & Fab of Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.3 Relocate Piping & Bus Work, Q-100 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.4 Install Piping to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.5 Connect Power Supplies & Flourinert Skids in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.6 Test & Troubleshoot MI-14 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.1 Final Design EL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.3 Complete Q300 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.4 Connect Power Supplies & Flourinert Skids in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.5 Test & Troubleshoot MI-30 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.1 Final Design RR Abort Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.3 Complete Q403 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.4 Connect Power Supplies & Flourinert Skids in MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.5 Install Piping to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.6 Test & Troubleshoot MI-40 & MI-39 Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.1 Final Design RR RF Cavities Water Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.3 Complete Q600 Area Cavity & Magnet Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.4 Install Piping Drops for RF Cavities Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.0.1.1.1.4.13 Fabricate 43 new magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.8 Prep req and award PO for parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.4.9 Receive and inspect parts for spare RQN magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.1 Final PDD Design & Tooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.2 Prep Req & Award PO for IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.3 Receive IL PDD Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.5.4 Assemble & Trim IL PDD Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.1 Final Design IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.2 Prep Req & Award PO for IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.3 Receive IL PDDW Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.6.4 Assemble & Trim IL PDDW Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.7.1 Power Supply Placement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.1 Prep Req & Award PO for SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.2 Receive IL PDS SmCo5 bricks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.3 Test magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.4 Prep purch req and award PO for PDS magnet from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.8.5 Receive PDS magnets from industry	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.1 Procure IL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.2 Procure EL Misc Mechanical Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.3 Procure RR-30 SS Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.1.9.4 Procure Beam Abort Misc Mechanical Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.1 Final Design 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.10 RR Reconsitute 53 Mhz RF System Vacuum	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.2 RR Prep Req & Award PO for 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.3 RR Receive 53 Mhz RF System Copper	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.4 RR Procure 53 Mhz Flanges	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.5 RR Procure 53 Mhz Tetrodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.6 RR Procure 53 Mhz Ceramics	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.7 RR Procure 53 Mhz Misc Material	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.8 RR Fabricate 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.2.9 RR Install 53 Mhz RF System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.1 FY09 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.2 FY10 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.3.3 FY11 & FY12 Oversight of TD Magnet Construction - RR Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.1 Finial Design IL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.2 Procurement & Fab of Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.3 Relocate Piping & Bus Work, Q-100 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.4 Install Piping to MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.5 Connect Power Supplies & Flourinert Skids in MI-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.1.6 Test & Troubleshoot MI-14 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.1 Final Design EL Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.3 Complete Q300 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.4 Connect Power Supplies & Flourinert Skids in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.2.5 Test & Troubleshoot MI-30 Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.1 Final Design RR Abort Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.3 Complete Q403 Area Pipe & Bus Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.4 Connect Power Supplies & Flourinert Skids in MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.5 Install Piping to MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.3.6 Test & Troubleshoot MI-40 & MI-39 Water Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.1 Final Design RR RF Cavities Water Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.2 Procure Piping Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.3 Complete Q600 Area Cavity & Magnet Relocation Work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.4 Install Piping Drops for RF Cavities Q600 Region	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.0.1.1.1.4.13 Fabricate 43 new magnets	BCWS	0	0	214,547
2.0.1.1.1.4.8 Prep req and award PO for parts for spare RQN magnets	BCWS	0	0	6,523
2.0.1.1.1.4.9 Receive and inspect parts for spare RQN magnets	BCWS	0	0	10,915
2.0.1.1.1.5.1 Final PDD Design & Tooling	BCWS	0	0	6,215
2.0.1.1.1.5.2 Prep Req & Award PO for IL PDD Parts	BCWS	0	0	4,016
2.0.1.1.1.5.3 Receive IL PDD Parts	BCWS	0	0	135,016
2.0.1.1.1.5.4 Assemble & Trim IL PDD Magnets	BCWS	0	0	90,158
2.0.1.1.1.6.1 Final Design IL PDDW Magnets	BCWS	0	0	29,999
2.0.1.1.1.6.2 Prep Req & Award PO for IL PDDW Parts	BCWS	0	0	4,252
2.0.1.1.1.6.3 Receive IL PDDW Parts	BCWS	0	0	55,957
2.0.1.1.1.6.4 Assemble & Trim IL PDDW Magnets	BCWS	0	0	41,583
2.0.1.1.1.7.1 Power Supply Placement	BCWS	0	0	14,075
2.0.1.1.1.8.1 Prep Req & Award PO for SmCo5 bricks	BCWS	0	0	6,523
2.0.1.1.1.8.2 Receive IL PDS SmCo5 bricks	BCWS	0	0	47,502
2.0.1.1.1.8.3 Test magnets	BCWS	0	0	28,741
2.0.1.1.1.8.4 Prep purch req and award PO for PDS magnet from industry	BCWS	0	0	6,523
2.0.1.1.1.8.5 Receive PDS magnets from industry	BCWS	0	0	92,170
2.0.1.1.1.9.1 Procure IL Misc Mechanical Equip	BCWS	0	0	104,304
2.0.1.1.1.9.2 Procure EL Misc Mechanical Equip	BCWS	0	0	104,304
2.0.1.1.1.9.3 Procure RR-30 SS Misc Mechanical Equipment	BCWS	0	0	92,543
2.0.1.1.1.9.4 Procure Beam Abort Misc Mechanical Equipment	BCWS	0	0	30,505
2.0.1.1.2.1 Final Design 53 Mhz RF System	BCWS	0	0	54,726
2.0.1.1.2.10 RR Reconsitute 53 Mhz RF System Vacuum	BCWS	0	0	31,852
2.0.1.1.2.2 RR Prep Req & Award PO for 53 Mhz RF System Copper	BCWS	0	0	31,766
2.0.1.1.2.3 RR Receive 53 Mhz RF System Copper	BCWS	0	0	100,780
2.0.1.1.2.4 RR Procure 53 Mhz Flanges	BCWS	0	0	10,909
2.0.1.1.2.5 RR Procure 53 Mhz Tetrodes	BCWS	0	0	65,755
2.0.1.1.2.6 RR Procure 53 Mhz Ceramics	BCWS	0	0	77,683
2.0.1.1.2.7 RR Procure 53 Mhz Misc Material	BCWS	0	0	79,642
2.0.1.1.2.8 RR Fabricate 53 Mhz RF System	BCWS	0	0	1,236,021
2.0.1.1.2.9 RR Install 53 Mhz RF System	BCWS	0	0	269,606
2.0.1.1.3.1 FY09 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	20,784
2.0.1.1.3.2 FY10 Oversight of TD Magnet Construction - RR Mods Beamlin	BCWS	0	0	24,625
2.0.1.1.3.3 FY11 & FY12 Oversight of TD Magnet Construction - RR Mods	BCWS	0	0	26,904
2.0.1.1.4.1.1 Finial Design IL Water Systems	BCWS	0	0	14,911
2.0.1.1.4.1.2 Procurement & Fab of Piping Components	BCWS	0	0	21,693
2.0.1.1.4.1.3 Relocate Piping & Bus Work, Q-100 Area	BCWS	0	0	91,672
2.0.1.1.4.1.4 Install Piping to MI-14	BCWS	0	0	22,365
2.0.1.1.4.1.5 Connect Power Supplies & Flourinert Skids in MI-14	BCWS	0	0	9,449
2.0.1.1.4.1.6 Test & Troubleshoot MI-14 Water System	BCWS	0	0	8,308
2.0.1.1.4.2.1 Final Design EL Water Systems	BCWS	0	0	5,692
2.0.1.1.4.2.2 Procure Piping Components	BCWS	0	0	15,272
2.0.1.1.4.2.3 Complete Q300 Area Pipe & Bus Relocation Work	BCWS	0	0	25,720
2.0.1.1.4.2.4 Connect Power Supplies & Flourinert Skids in MI-30	BCWS	0	0	9,449
2.0.1.1.4.2.5 Test & Troubleshoot MI-30 Water System	BCWS	0	0	8,251
2.0.1.1.4.3.1 Final Design RR Abort Water System	BCWS	0	0	5,692
2.0.1.1.4.3.2 Procure Piping Components	BCWS	0	0	16,557
2.0.1.1.4.3.3 Complete Q403 Area Pipe & Bus Relocation Work	BCWS	0	0	25,615
2.0.1.1.4.3.4 Connect Power Supplies & Flourinert Skids in MI-39	BCWS	0	0	9,449
2.0.1.1.4.3.5 Install Piping to MI-39	BCWS	0	0	22,365
2.0.1.1.4.3.6 Test & Troubleshoot MI-40 & MI-39 Water Systems	BCWS	0	0	8,251
2.0.1.1.4.4.1 Final Design RR RF Cavities Water Cooling	BCWS	0	0	9,219
2.0.1.1.4.4.2 Procure Piping Components	BCWS	0	0	17,841
2.0.1.1.4.4.3 Complete Q600 Area Cavity & Magnet Relocation Work	BCWS	0	0	26,028
2.0.1.1.4.4.4 Install Piping Drops for RF Cavities Q600 Region	BCWS	0	0	22,413

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.0.1.1.4.4.5 Install Piping Drops for RF Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.6 Test & Troubleshoot RF Cavity Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.1 Final Design MI8 Pump Rm Water System Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.10 Vendor Fab & Receive Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.11 Procure Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.12 Procure Piping Components & Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.13 Install Pond Pump Upgrades PV9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.14 Upgrade Pond Pump Electrical Service PV9 & MI-62	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.15 Install MI-8 Pump Room Piping & Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.16 Install MI-8 Electrical Service Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.17 Install MI-8 Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.18 Test & Troubleshoot MI-8 LCW Cooling System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.2 Relocate Horn Welder Machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.3 Prep Req & Award PO for Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.4 Vendor Fab & Receive Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.5 Prep Req & Award PO for Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.6 Vendor Fab & Receive Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.7 Prep Req & Award PO for Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.8 Vendor Fab & Receive Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.9 Prep Req & Award PO for Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.19 Design study for MI cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.1 RR Inject Prod Kicker Prep Req & Award PO for All Mag Fe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.10 Receive Parts for 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.11 Prep Req & Award PO for Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.12 Receive Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.15 RR Prep Req & Award PO for Resistors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.16 RR Receive & Measure Resistors for 11 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.2 RR Inject Prod Kicker Receive Ferrites for All Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.3 RR Inject Prod Kicker Prep Req & Award PO for all Load R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.4 RR Inject Prod Kicker Receive All Load Resistor Parts fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.5 Procure 15 Beamtubes for RR Inj from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.6 RR Injection Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.7 Prep Req & Award PO for Kovar Braze on 15 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.8 Receive 7 Kovar Brazed Ceramic Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.9 Prep Req & Award PO for Parts for 1 Pre-production Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.17 Procure vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.18 Receive vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.19 Assemble vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.20 Commission vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.1 RR Inj Weld Bellows & Vacuum Flanges on 8 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.2 Assemble 1 Pre-production Magnet & Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.3 RR Injection Kicker Low Voltage Testing 1 Pre-production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.4 RR Inject Kicker HV Testing 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.6 Assemble 5 RR Injection Kicker Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.7 Low voltage testing 5 magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.9 Apply Resistive Coating Inside Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.1 RR Inj Prep Req & Award PO for Parts for 6 Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.10 RR Inj Receive 1 Bumper Pulser & Energy Storage (PFL Su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.11 RR Inj Prep Req & Award PO for Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.12 RR Inject Prod Kicker PS Receive Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.2 RR Inj Receive Parts for 6 Power Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.7 RR Inject Prod Kicker PS Prep Req & Award PO for Thyratr	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.8 RR Inject Prod Kicker PS Receive Thyratrons for 6 Pulse	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.9 RR Inj Prep Req & Award PO for 1 Bumper Pulser & Energy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.2 RR Inj Assemble Controls Modules & Racks for 6 Pulsers &	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.0.1.1.4.4.5 Install Piping Drops for RF Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.6 Test & Troubleshoot RF Cavity Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.1 Final Design MI8 Pump Rm Water System Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.10 Vendor Fab & Receive Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.11 Procure Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.12 Procure Piping Components & Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.13 Install Pond Pump Upgrades PV9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.14 Upgrade Pond Pump Electrical Service PV9 & MI-62	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.15 Install MI-8 Pump Room Piping & Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.16 Install MI-8 Electrical Service Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.17 Install MI-8 Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.18 Test & Troubleshoot MI-8 LCW Cooling System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.2 Relocate Horn Welder Machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.3 Prep Req & Award PO for Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.4 Vendor Fab & Receive Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.5 Prep Req & Award PO for Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.6 Vendor Fab & Receive Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.7 Prep Req & Award PO for Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.8 Vendor Fab & Receive Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.9 Prep Req & Award PO for Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.19 Design study for MI cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.1 RR Inject Prod Kicker Prep Req & Award PO for All Mag Fe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.10 Receive Parts for 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.11 Prep Req & Award PO for Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.12 Receive Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.15 RR Prep Req & Award PO for Resistors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.16 RR Receive & Measure Resistors for 11 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.2 RR Inject Prod Kicker Receive Ferrites for All Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.3 RR Inject Prod Kicker Prep Req & Award PO for all Load R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.4 RR Inject Prod Kicker Receive All Load Resistor Parts fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.5 Procure 15 Beamtubes for RR Inj from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.6 RR Injection Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.7 Prep Req & Award PO for Kovar Braze on 15 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.8 Receive 7 Kovar Brazed Ceramic Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.9 Prep Req & Award PO for Parts for 1 Pre-production Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.17 Procure vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.18 Receive vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.19 Assemble vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.20 Commission vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.1 RR Inj Weld Bellows & Vacuum Flanges on 8 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.2 Assemble 1 Pre-production Magnet & Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.3 RR Injection Kicker Low Voltage Testing 1 Pre-production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.4 RR Inject Kicker HV Testing 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.6 Assemble 5 RR Injection Kicker Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.7 Low voltage testing 5 magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.9 Apply Resistive Coating Inside Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.1 RR Inj Prep Req & Award PO for Parts for 6 Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.10 RR Inj Receive 1 Bumper Pulser & Energy Storage (PFL Su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.11 RR Inj Prep Req & Award PO for Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.12 RR Inject Prod Kicker PS Receive Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.2 RR Inj Receive Parts for 6 Power Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.7 RR Inject Prod Kicker PS Prep Req & Award PO for Thyratr	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.8 RR Inject Prod Kicker PS Receive Thyratrons for 6 Pulse	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.9 RR Inj Prep Req & Award PO for 1 Bumper Pulser & Energy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.2 RR Inj Assemble Controls Modules & Racks for 6 Pulsers &	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.0.1.1.4.4.5 Install Piping Drops for RF Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.6 Test & Troubleshoot RF Cavity Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.1 Final Design MI8 Pump Rm Water System Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.10 Vendor Fab & Receive Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.11 Procure Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.12 Procure Piping Components & Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.13 Install Pond Pump Upgrades PV9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.14 Upgrade Pond Pump Electrical Service PV9 & MI-62	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.15 Install MI-8 Pump Room Piping & Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.16 Install MI-8 Electrical Service Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.17 Install MI-8 Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.18 Test & Troubleshoot MI-8 LCW Cooling System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.2 Relocate Horn Welder Machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.3 Prep Req & Award PO for Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.4 Vendor Fab & Receive Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.5 Prep Req & Award PO for Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.6 Vendor Fab & Receive Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.7 Prep Req & Award PO for Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.8 Vendor Fab & Receive Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.9 Prep Req & Award PO for Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.19 Design study for MI cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.1 RR Inject Prod Kicker Prep Req & Award PO for All Mag Fe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.10 Receive Parts for 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.11 Prep Req & Award PO for Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.12 Receive Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.15 RR Prep Req & Award PO for Resistors	BCWS	3,720	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.16 RR Receive & Measure Resistors for 11 loads	BCWS	0	11,299	11,299	8,218	0	0	0	0	0	0	0
2.0.1.2.1.1.2 RR Inject Prod Kicker Receive Ferrites for All Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.3 RR Inject Prod Kicker Prep Req & Award PO for all Load R	BCWS	0	0	0	0	0	0	0	0	28,051	0	0
2.0.1.2.1.1.4 RR Inject Prod Kicker Receive All Load Resistor Parts fo	BCWS	0	0	0	0	0	0	0	0	1,834	17,423	18,340
2.0.1.2.1.1.5 Procure 15 Beamtubes for RR Inj from TD Inventory	BCWS	56,096	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.6 RR Injection Select Ceramic Tubes & Cut to Length	BCWS	7,144	7,896	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.7 Prep Req & Award PO for Kovar Braze on 15 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.8 Receive 7 Kovar Brazed Ceramic Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.9 Prep Req & Award PO for Parts for 1 Pre-production Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.17 Procure vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	357	437
2.0.1.2.1.1.18 Receive vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	8,346
2.0.1.2.1.1.19 Assemble vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.20 Commission vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.1 RR Inj Weld Bellows & Vacuum Flanges on 8 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.2 Assemble 1 Pre-production Magnet & Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.3 RR Injection Kicker Low Voltage Testing 1 Pre-production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.4 RR Inject Kicker HV Testing 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.6 Assemble 5 RR Injection Kicker Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.7 Low voltage testing 5 magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.9 Apply Resistive Coating Inside Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.1 RR Inj Prep Req & Award PO for Parts for 6 Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.10 RR Inj Receive 1 Bumper Pulser & Energy Storage (PFL Su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.11 RR Inj Prep Req & Award PO for Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.12 RR Inject Prod Kicker PS Receive Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.2 RR Inj Receive Parts for 6 Power Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.7 RR Inject Prod Kicker PS Prep Req & Award PO for Thyratr	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.8 RR Inject Prod Kicker PS Receive Thyratrons for 6 Pulse	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.9 RR Inj Prep Req & Award PO for 1 Bumper Pulser & Energy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.2 RR Inj Assemble Controls Modules & Racks for 6 Pulsers &	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.0.1.1.4.4.5 Install Piping Drops for RF Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.6 Test & Troubleshoot RF Cavity Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.1 Final Design MI8 Pump Rm Water System Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.10 Vendor Fab & Receive Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.11 Procure Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.12 Procure Piping Components & Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.13 Install Pond Pump Upgrades PV9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.14 Upgrade Pond Pump Electrical Service PV9 & MI-62	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.15 Install MI-8 Pump Room Piping & Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.16 Install MI-8 Electrical Service Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.17 Install MI-8 Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.18 Test & Troubleshoot MI-8 LCW Cooling System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.2 Relocate Horn Welder Machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.3 Prep Req & Award PO for Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.4 Vendor Fab & Receive Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.5 Prep Req & Award PO for Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.6 Vendor Fab & Receive Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.7 Prep Req & Award PO for Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.8 Vendor Fab & Receive Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.9 Prep Req & Award PO for Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.19 Design study for MI cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.1 RR Inject Prod Kicker Prep Req & Award PO for All Mag Fe	BCWS	22,638	1,191	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.10 Receive Parts for 1 Pre-production Magnet	BCWS	0	8,736	10,575	8,276	0	0	0	0	0	0	0
2.0.1.2.1.1.11 Prep Req & Award PO for Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	4,410
2.0.1.2.1.1.12 Receive Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.15 RR Prep Req & Award PO for Resistors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.16 RR Receive & Measure Resistors for 11 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.2 RR Inject Prod Kicker Receive Ferrites for All Magnets	BCWS	80,247	8,916	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.3 RR Inject Prod Kicker Prep Req & Award PO for all Load R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.4 RR Inject Prod Kicker Receive All Load Resistor Parts fo	BCWS	17,423	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.5 Procure 15 Beamtubes for RR Inj from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.6 RR Injection Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.7 Prep Req & Award PO for Kovar Braze on 15 Ceramic Beam T	BCWS	0	0	7,180	5,490	0	0	0	0	0	0	0
2.0.1.2.1.1.8 Receive 7 Kovar Brazed Ceramic Tubes	BCWS	0	0	0	7,114	15,810	17,391	16,600	17,391	16,600	17,261	16,439
2.0.1.2.1.1.9 Prep Req & Award PO for Parts for 1 Pre-production Magne	BCWS	17,722	933	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.17 Procure vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.18 Receive vacuum oven parts	BCWS	17,619	11,128	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.19 Assemble vacuum oven	BCWS	0	6,030	1,507	0	0	0	0	0	0	0	0
2.0.1.2.1.1.20 Commission vacuum oven	BCWS	0	0	880	0	0	0	0	0	0	0	0
2.0.1.2.1.2.1 RR Inj Weld Bellows & Vacuum Flanges on 8 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.2 Assemble 1 Pre-production Magnet & Load	BCWS	0	21,384	26,136	0	0	0	0	0	0	0	0
2.0.1.2.1.2.3 RR Injection Kicker Low Voltage Testing 1 Pre-production	BCWS	0	0	0	0	0	0	0	0	0	0	3,489
2.0.1.2.1.2.4 RR Inject Kicker HV Testing 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.6 Assemble 5 RR Injection Kicker Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.7 Low voltage testing 5 magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.9 Apply Resistive Coating Inside Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.1 RR Inj Prep Req & Award PO for Parts for 6 Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.10 RR Inj Receive 1 Bumper Pulser & Energy Storage (PFL Su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.11 RR Inj Prep Req & Award PO for Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.12 RR Inject Prod Kicker PS Receive Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.2 RR Inj Receive Parts for 6 Power Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.7 RR Inject Prod Kicker PS Prep Req & Award PO for Thyratr	BCWS	0	0	0	0	0	0	0	0	0	0	4,087
2.0.1.2.2.1.8 RR Inject Prod Kicker PS Receive Thyratrons for 6 Pulse	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.9 RR Inj Prep Req & Award PO for 1 Bumper Pulser & Energy	BCWS	0	0	0	0	0	0	0	0	0	0	2,044
2.0.1.2.2.2.2 RR Inj Assemble Controls Modules & Racks for 6 Pulsers &	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.0.1.1.4.4.5 Install Piping Drops for RF Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.6 Test & Troubleshoot RF Cavity Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.1 Final Design MI8 Pump Rm Water System Mods	BCWS	0	0	0	0	0	0	1,414	4,715	3,300	0	0
2.0.1.1.4.5.10 Vendor Fab & Receive Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.11 Procure Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.12 Procure Piping Components & Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.13 Install Pond Pump Upgrades PV9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.14 Upgrade Pond Pump Electrical Service PV9 & MI-62	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.15 Install MI-8 Pump Room Piping & Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.16 Install MI-8 Electrical Service Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.17 Install MI-8 Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.18 Test & Troubleshoot MI-8 LCW Cooling System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.2 Relocate Horn Welder Machine	BCWS	0	0	0	0	0	0	0	0	0	39,245	0
2.0.1.1.4.5.3 Prep Req & Award PO for Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	4,160	6,104
2.0.1.1.4.5.4 Vendor Fab & Receive Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.5 Prep Req & Award PO for Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	3,414	5,009
2.0.1.1.4.5.6 Vendor Fab & Receive Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.7 Prep Req & Award PO for Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	2,033	2,983
2.0.1.1.4.5.8 Vendor Fab & Receive Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.9 Prep Req & Award PO for Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	2,033	2,983
2.0.1.1.4.5.19 Design study for MI cooling	BCWS	0	5,402	10,804	12,424	3,781	0	0	0	0	0	0
2.0.1.2.1.1.1 RR Inject Prod Kicker Prep Req & Award PO for All Mag Fe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.10 Receive Parts for 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.11 Prep Req & Award PO for Parts for 5 Other Magnets	BCWS	8,190	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.12 Receive Parts for 5 Other Magnets	BCWS	0	46,142	85,692	0	0	0	0	0	0	0	0
2.0.1.2.1.1.15 RR Prep Req & Award PO for Resistors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.16 RR Receive & Measure Resistors for 11 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.2 RR Inject Prod Kicker Receive Ferrites for All Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.3 RR Inject Prod Kicker Prep Req & Award PO for all Load R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.4 RR Inject Prod Kicker Receive All Load Resistor Parts fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.5 Procure 15 Beamtubes for RR Inj from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.6 RR Injection Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.7 Prep Req & Award PO for Kovar Braze on 15 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.8 Receive 7 Kovar Brazed Ceramic Tubes	BCWS	16,439	10,686	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.9 Prep Req & Award PO for Parts for 1 Pre-production Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.17 Procure vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.18 Receive vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.19 Assemble vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.20 Commission vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.1 RR Inj Weld Bellows & Vacuum Flanges on 8 Ceramic Beam T	BCWS	0	19,609	65,362	29,413	0	0	0	0	0	0	0
2.0.1.2.1.2.2 Assemble 1 Pre-production Magnet & Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.3 RR Injection Kicker Low Voltage Testing 1 Pre-production	BCWS	10,466	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.4 RR Inject Kicker HV Testing 1 Pre-production Magnet	BCWS	6,149	17,218	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.6 Assemble 5 RR Injection Kicker Magnets	BCWS	0	0	0	84,065	176,537	75,659	0	0	0	0	0
2.0.1.2.1.2.7 Low voltage testing 5 magnets	BCWS	0	0	10,174	33,430	30,523	30,523	11,628	0	0	0	0
2.0.1.2.1.2.9 Apply Resistive Coating Inside Ceramic Beam Tubes	BCWS	0	0	0	9,199	0	0	0	0	0	0	0
2.0.1.2.2.1.1 RR Inj Prep Req & Award PO for Parts for 6 Power Supply	BCWS	0	2,335	9,339	7,004	0	0	0	0	0	0	0
2.0.1.2.2.1.10 RR Inj Receive 1 Bumper Pulser & Energy Storage (PFL Su	BCWS	0	0	68,820	111,833	0	0	0	0	0	0	0
2.0.1.2.2.1.11 RR Inj Prep Req & Award PO for Parts for 6 Pulsers	BCWS	5,255	11,094	6,423	0	0	0	0	0	0	0	0
2.0.1.2.2.1.12 RR Inject Prod Kicker PS Receive Parts for 6 Pulsers	BCWS	0	0	0	292,226	389,634	0	0	0	0	0	0
2.0.1.2.2.1.2 RR Inj Receive Parts for 6 Power Supply Controls	BCWS	0	0	0	0	0	203,412	184,920	0	0	0	0
2.0.1.2.2.1.7 RR Inject Prod Kicker PS Prep Req & Award PO for Thyratr	BCWS	11,678	7,007	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.8 RR Inject Prod Kicker PS Receive Thyratrons for 6 Pulse	BCWS	0	0	0	9,790	97,898	0	0	0	0	0	0
2.0.1.2.2.1.9 RR Inj Prep Req & Award PO for 1 Bumper Pulser & Energy	BCWS	5,839	3,503	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.2 RR Inj Assemble Controls Modules & Racks for 6 Pulsers &	BCWS	0	0	0	0	0	0	15,855	26,425	30,389	27,747	29,078

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.0.1.1.4.4.5 Install Piping Drops for RF Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	22,413	0	0	0	0
2.0.1.1.4.4.6 Test & Troubleshoot RF Cavity Water System	BCWS	0	0	0	0	0	0	3,784	13,243	0	0	0
2.0.1.1.4.5.1 Final Design MI8 Pump Rm Water System Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.10 Vendor Fab & Receive Filtration Components	BCWS	0	2,377	5,942	6,239	6,536	4,754	0	0	0	0	0
2.0.1.1.4.5.11 Procure Instrumentation	BCWS	3,616	4,294	4,520	4,746	4,972	4,746	2,486	0	0	0	0
2.0.1.1.4.5.12 Procure Piping Components & Hardware	BCWS	3,331	3,956	4,164	4,372	4,580	4,372	2,290	0	0	0	0
2.0.1.1.4.5.13 Install Pond Pump Upgrades PV9	BCWS	0	0	0	0	0	16,348	71,932	0	0	0	0
2.0.1.1.4.5.14 Upgrade Pond Pump Electrical Service PV9 & MI-62	BCWS	0	7,507	30,027	3,003	0	0	0	0	0	0	0
2.0.1.1.4.5.15 Install MI-8 Pump Room Piping & Components	BCWS	0	0	0	0	0	0	0	17,194	72,213	3,439	0
2.0.1.1.4.5.16 Install MI-8 Electrical Service Upgrades	BCWS	0	10,911	26,186	0	0	0	0	0	0	0	0
2.0.1.1.4.5.17 Install MI-8 Instrumentation	BCWS	0	0	0	0	0	0	26,662	14,543	0	0	0
2.0.1.1.4.5.18 Test & Troubleshoot MI-8 LCW Cooling System	BCWS	0	0	0	0	0	0	0	0	0	23,994	0
2.0.1.1.4.5.2 Relocate Horn Welder Machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.3 Prep Req & Award PO for Pond Pumps	BCWS	5,813	3,197	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.4 Vendor Fab & Receive Pond Pumps	BCWS	0	4,033	10,083	10,588	11,092	8,067	0	0	0	0	0
2.0.1.1.4.5.5 Prep Req & Award PO for Heat Exchanger	BCWS	4,771	2,624	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.6 Vendor Fab & Receive Heat Exchanger	BCWS	0	5,308	13,270	13,934	14,597	13,934	14,597	10,616	0	0	0
2.0.1.1.4.5.7 Prep Req & Award PO for Control Valve Components	BCWS	2,841	1,562	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.8 Vendor Fab & Receive Control Valve Components	BCWS	0	1,075	2,688	2,822	2,957	2,150	0	0	0	0	0
2.0.1.1.4.5.9 Prep Req & Award PO for Filtration Components	BCWS	2,841	1,562	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.19 Design study for MI cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.1 RR Inject Prod Kicker Prep Req & Award PO for All Mag Fe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.10 Receive Parts for 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.11 Prep Req & Award PO for Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.12 Receive Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.15 RR Prep Req & Award PO for Resistors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.16 RR Receive & Measure Resistors for 11 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.2 RR Inject Prod Kicker Receive Ferrites for All Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.3 RR Inject Prod Kicker Prep Req & Award PO for all Load R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.4 RR Inject Prod Kicker Receive All Load Resistor Parts fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.5 Procure 15 Beamtubes for RR Inj from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.6 RR Injection Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.7 Prep Req & Award PO for Kovar Braze on 15 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.8 Receive 7 Kovar Brazed Ceramic Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.9 Prep Req & Award PO for Parts for 1 Pre-production Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.17 Procure vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.18 Receive vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.19 Assemble vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.20 Commission vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.1 RR Inj Weld Bellows & Vacuum Flanges on 8 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.2 Assemble 1 Pre-production Magnet & Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.3 RR Injection Kicker Low Voltage Testing 1 Pre-production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.4 RR Inject Kicker HV Testing 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.6 Assemble 5 RR Injection Kicker Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.7 Low voltage testing 5 magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.9 Apply Resistive Coating Inside Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.1 RR Inj Prep Req & Award PO for Parts for 6 Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.10 RR Inj Receive 1 Bumper Pulser & Energy Storage (PFL Su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.11 RR Inj Prep Req & Award PO for Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.12 RR Inject Prod Kicker PS Receive Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.2 RR Inj Receive Parts for 6 Power Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.7 RR Inject Prod Kicker PS Prep Req & Award PO for Thyratr	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.8 RR Inject Prod Kicker PS Receive Thyratrons for 6 Pulse	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.9 RR Inj Prep Req & Award PO for 1 Bumper Pulser & Energy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.2 RR Inj Assemble Controls Modules & Racks for 6 Pulsers &	BCWS	27,694	26,309	27,694	29,078	30,463	22,155	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.0.1.1.4.4.5 Install Piping Drops for RF Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.6 Test & Troubleshoot RF Cavity Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.1 Final Design MI8 Pump Rm Water System Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.10 Vendor Fab & Receive Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.11 Procure Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.12 Procure Piping Components & Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.13 Install Pond Pump Upgrades PV9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.14 Upgrade Pond Pump Electrical Service PV9 & MI-62	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.15 Install MI-8 Pump Room Piping & Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.16 Install MI-8 Electrical Service Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.17 Install MI-8 Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.18 Test & Troubleshoot MI-8 LCW Cooling System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.2 Relocate Horn Welder Machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.3 Prep Req & Award PO for Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.4 Vendor Fab & Receive Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.5 Prep Req & Award PO for Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.6 Vendor Fab & Receive Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.7 Prep Req & Award PO for Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.8 Vendor Fab & Receive Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.9 Prep Req & Award PO for Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.19 Design study for MI cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.1 RR Inject Prod Kicker Prep Req & Award PO for All Mag Fe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.10 Receive Parts for 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.11 Prep Req & Award PO for Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.12 Receive Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.15 RR Prep Req & Award PO for Resistors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.16 RR Receive & Measure Resistors for 11 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.2 RR Inject Prod Kicker Receive Ferrites for All Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.3 RR Inject Prod Kicker Prep Req & Award PO for all Load R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.4 RR Inject Prod Kicker Receive All Load Resistor Parts fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.5 Procure 15 Beamtubes for RR Inj from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.6 RR Injection Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.7 Prep Req & Award PO for Kovar Braze on 15 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.8 Receive 7 Kovar Brazed Ceramic Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.9 Prep Req & Award PO for Parts for 1 Pre-production Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.17 Procure vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.18 Receive vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.19 Assemble vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.20 Commission vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.1 RR Inj Weld Bellows & Vacuum Flanges on 8 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.2 Assemble 1 Pre-production Magnet & Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.3 RR Injection Kicker Low Voltage Testing 1 Pre-production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.4 RR Inject Kicker HV Testing 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.6 Assemble 5 RR Injection Kicker Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.7 Low voltage testing 5 magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.9 Apply Resistive Coating Inside Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.1 RR Inj Prep Req & Award PO for Parts for 6 Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.10 RR Inj Receive 1 Bumper Pulser & Energy Storage (PFL Su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.11 RR Inj Prep Req & Award PO for Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.12 RR Inject Prod Kicker PS Receive Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.2 RR Inj Receive Parts for 6 Power Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.7 RR Inject Prod Kicker PS Prep Req & Award PO for Thyratr	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.8 RR Inject Prod Kicker PS Receive Thyratrons for 6 Pulse	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.9 RR Inj Prep Req & Award PO for 1 Bumper Pulser & Energy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.2 RR Inj Assemble Controls Modules & Racks for 6 Pulsers &	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.0.1.1.4.4.5 Install Piping Drops for RF Power Supplies MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.4.6 Test & Troubleshoot RF Cavity Water System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.1 Final Design MI8 Pump Rm Water System Mods	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.10 Vendor Fab & Receive Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.11 Procure Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.12 Procure Piping Components & Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.13 Install Pond Pump Upgrades PV9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.14 Upgrade Pond Pump Electrical Service PV9 & MI-62	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.15 Install MI-8 Pump Room Piping & Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.16 Install MI-8 Electrical Service Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.17 Install MI-8 Instrumentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.18 Test & Troubleshoot MI-8 LCW Cooling System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.2 Relocate Horn Welder Machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.3 Prep Req & Award PO for Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.4 Vendor Fab & Receive Pond Pumps	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.5 Prep Req & Award PO for Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.6 Vendor Fab & Receive Heat Exchanger	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.7 Prep Req & Award PO for Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.8 Vendor Fab & Receive Control Valve Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.9 Prep Req & Award PO for Filtration Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.1.4.5.19 Design study for MI cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.1 RR Inject Prod Kicker Prep Req & Award PO for All Mag Fe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.10 Receive Parts for 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.11 Prep Req & Award PO for Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.12 Receive Parts for 5 Other Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.15 RR Prep Req & Award PO for Resistors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.16 RR Receive & Measure Resistors for 11 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.2 RR Inject Prod Kicker Receive Ferrites for All Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.3 RR Inject Prod Kicker Prep Req & Award PO for all Load R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.4 RR Inject Prod Kicker Receive All Load Resistor Parts fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.5 Procure 15 Beamtubes for RR Inj from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.6 RR Injection Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.7 Prep Req & Award PO for Kovar Braze on 15 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.8 Receive 7 Kovar Brazed Ceramic Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.9 Prep Req & Award PO for Parts for 1 Pre-production Magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.17 Procure vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.18 Receive vacuum oven parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.19 Assemble vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.1.20 Commission vacuum oven	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.1 RR Inj Weld Bellows & Vacuum Flanges on 8 Ceramic Beam T	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.2 Assemble 1 Pre-production Magnet & Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.3 RR Injection Kicker Low Voltage Testing 1 Pre-production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.4 RR Inject Kicker HV Testing 1 Pre-production Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.6 Assemble 5 RR Injection Kicker Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.7 Low voltage testing 5 magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.1.2.9 Apply Resistive Coating Inside Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.1 RR Inj Prep Req & Award PO for Parts for 6 Power Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.10 RR Inj Receive 1 Bumper Pulser & Energy Storage (PFL Su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.11 RR Inj Prep Req & Award PO for Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.12 RR Inject Prod Kicker PS Receive Parts for 6 Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.2 RR Inj Receive Parts for 6 Power Supply Controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.7 RR Inject Prod Kicker PS Prep Req & Award PO for Thyratr	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.8 RR Inject Prod Kicker PS Receive Thyratrons for 6 Pulse	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.1.9 RR Inj Prep Req & Award PO for 1 Bumper Pulser & Energy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.2 RR Inj Assemble Controls Modules & Racks for 6 Pulsers &	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
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WP[20]		AUG14	SEP14	Cumulative
2.0.1.1.4.4.5 Install Piping Drops for RF Power Supplies MI-60 Gallery	BCWS	0	0	22,413
2.0.1.1.4.4.6 Test & Troubleshoot RF Cavity Water System	BCWS	0	0	17,027
2.0.1.1.4.5.1 Final Design MI8 Pump Rm Water System Mods	BCWS	0	0	9,429
2.0.1.1.4.5.10 Vendor Fab & Receive Filtration Components	BCWS	0	0	25,847
2.0.1.1.4.5.11 Procure Instrumentation	BCWS	0	0	29,380
2.0.1.1.4.5.12 Procure Piping Components & Hardware	BCWS	0	0	27,064
2.0.1.1.4.5.13 Install Pond Pump Upgrades PV9	BCWS	0	0	88,280
2.0.1.1.4.5.14 Upgrade Pond Pump Electrical Service PV9 & MI-62	BCWS	0	0	40,536
2.0.1.1.4.5.15 Install MI-8 Pump Room Piping & Components	BCWS	0	0	92,846
2.0.1.1.4.5.16 Install MI-8 Electrical Service Upgrades	BCWS	0	0	37,097
2.0.1.1.4.5.17 Install MI-8 Instrumentation	BCWS	0	0	41,204
2.0.1.1.4.5.18 Test & Troubleshoot MI-8 LCW Cooling System	BCWS	0	0	23,994
2.0.1.1.4.5.2 Relocate Horn Welder Machine	BCWS	0	0	39,245
2.0.1.1.4.5.3 Prep Req & Award PO for Pond Pumps	BCWS	0	0	19,275
2.0.1.1.4.5.4 Vendor Fab & Receive Pond Pumps	BCWS	0	0	43,863
2.0.1.1.4.5.5 Prep Req & Award PO for Heat Exchanger	BCWS	0	0	15,818
2.0.1.1.4.5.6 Vendor Fab & Receive Heat Exchanger	BCWS	0	0	86,258
2.0.1.1.4.5.7 Prep Req & Award PO for Control Valve Components	BCWS	0	0	9,419
2.0.1.1.4.5.8 Vendor Fab & Receive Control Valve Components	BCWS	0	0	11,692
2.0.1.1.4.5.9 Prep Req & Award PO for Filtration Components	BCWS	0	0	9,419
2.0.1.1.4.5.19 Design study for MI cooling	BCWS	0	0	32,411
2.0.1.2.1.1.1 RR Inject Prod Kicker Prep Req & Award PO for All Mag Fe	BCWS	0	0	23,829
2.0.1.2.1.1.10 Receive Parts for 1 Pre-production Magnet	BCWS	0	0	27,587
2.0.1.2.1.1.11 Prep Req & Award PO for Parts for 5 Other Magnets	BCWS	0	0	12,601
2.0.1.2.1.1.12 Receive Parts for 5 Other Magnets	BCWS	0	0	131,834
2.0.1.2.1.1.15 RR Prep Req & Award PO for Resistors	BCWS	0	0	3,720
2.0.1.2.1.1.16 RR Receive & Measure Resistors for 11 loads	BCWS	0	0	30,816
2.0.1.2.1.1.2 RR Inject Prod Kicker Receive Ferrites for All Magnets	BCWS	0	0	89,163
2.0.1.2.1.1.3 RR Inject Prod Kicker Prep Req & Award PO for all Load R	BCWS	0	0	28,051
2.0.1.2.1.1.4 RR Inject Prod Kicker Receive All Load Resistor Parts fo	BCWS	0	0	55,020
2.0.1.2.1.1.5 Procure 15 Beamtubes for RR Inj from TD Inventory	BCWS	0	0	56,096
2.0.1.2.1.1.6 RR Injection Select Ceramic Tubes & Cut to Length	BCWS	0	0	15,040
2.0.1.2.1.1.7 Prep Req & Award PO for Kovar Braze on 15 Ceramic Beam T	BCWS	0	0	12,670
2.0.1.2.1.1.8 Receive 7 Kovar Brazed Ceramic Tubes	BCWS	0	0	151,732
2.0.1.2.1.1.9 Prep Req & Award PO for Parts for 1 Pre-production Magne	BCWS	0	0	18,654
2.0.1.2.1.1.17 Procure vacuum oven parts	BCWS	0	0	794
2.0.1.2.1.1.18 Receive vacuum oven parts	BCWS	0	0	37,094
2.0.1.2.1.1.19 Assemble vacuum oven	BCWS	0	0	7,537
2.0.1.2.1.1.20 Commission vacuum oven	BCWS	0	0	880
2.0.1.2.1.2.1 RR Inj Weld Bellows & Vacuum Flanges on 8 Ceramic Beam T	BCWS	0	0	114,384
2.0.1.2.1.2.2 Assemble 1 Pre-production Magnet & Load	BCWS	0	0	47,520
2.0.1.2.1.2.3 RR Injection Kicker Low Voltage Testing 1 Pre-production	BCWS	0	0	13,954
2.0.1.2.1.2.4 RR Inject Kicker HV Testing 1 Pre-production Magnet	BCWS	0	0	23,367
2.0.1.2.1.2.6 Assemble 5 RR Injection Kicker Magnets	BCWS	0	0	336,261
2.0.1.2.1.2.7 Low voltage testing 5 magnets	BCWS	0	0	116,277
2.0.1.2.1.2.9 Apply Resistive Coating Inside Ceramic Beam Tubes	BCWS	0	0	9,199
2.0.1.2.2.1.1 RR Inj Prep Req & Award PO for Parts for 6 Power Supply	BCWS	0	0	18,677
2.0.1.2.2.1.10 RR Inj Receive 1 Bumper Pulser & Energy Storage (PFL Su	BCWS	0	0	180,653
2.0.1.2.2.1.11 RR Inj Prep Req & Award PO for Parts for 6 Pulsers	BCWS	0	0	22,772
2.0.1.2.2.1.12 RR Inject Prod Kicker PS Receive Parts for 6 Pulsers	BCWS	0	0	681,860
2.0.1.2.2.1.2 RR Inj Receive Parts for 6 Power Supply Controls	BCWS	0	0	388,331
2.0.1.2.2.1.7 RR Inject Prod Kicker PS Prep Req & Award PO for Thyratr	BCWS	0	0	22,772
2.0.1.2.2.1.8 RR Inject Prod Kicker PS Receive Thyratrons for 6 Pulse	BCWS	0	0	107,688
2.0.1.2.2.1.9 RR Inj Prep Req & Award PO for 1 Bumper Pulser & Energy	BCWS	0	0	11,386
2.0.1.2.2.2.2 RR Inj Assemble Controls Modules & Racks for 6 Pulsers &	BCWS	0	0	292,888

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.0.1.2.2.2.3 RR Inj Assemble 4 Pulser Housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.4 RR Inj Assemble 1 Bumper System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.5 RR Inj Measure & Assemble 6 Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.3 RR Injection Checkout/Test Pulsers into Dummy Load in MI-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.4 Remove Gap Clearing Kicker System from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.5 RR Inj & Gap Clear Inst Mags, Cables & Fluor Piping in Tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.1 Procure 14 Beamtubes for RR Ext/ MI Inj from TD Inventor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.11 Prep Req & Award PO for Parts for MI Inject HV & Tail B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.12 Receive Parts for MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.16 RR Ext/MI Inject Kicker Magnet Kovar Braze 7 Ceramic Be	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.2 RR Ext/MI Inj Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.3 Prep Req & Award PO for All Magnet Ferrites for RR Extra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.4 Receive RR Extract/MI Inject Kicker Ferrites for 5 magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.5 RR Ext/MI Inject Kicker Prep Req & Award PO for All Othe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.6 RR Ext/MI Inject Kicker Receive All Other Parts for 5 Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.7 RR Ext Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.8 RR Ext Kicker Receive Parts & Fluorinert for Cooling Sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.17 Prep Req & Award PO for 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.18 Receive 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.19 Prep Req & Award PO for Kovar brazing of 10 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.20 Receive 10 brazed beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.10 RR Ext/MI Inj Kicker Life testing in MI-30 or PS-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.11 Assemble MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.3 RR Ext/MI Inj Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.4 RR Ext/MI Injection Kicker Magnet Assemble 5 New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.5 RR Ext/MI Injection Kicker Magnet Assemble 5 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.6 RR Ext/MI Injection Kicker Magnet Attach 8 Cable Adaptor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.7 RR Ext Kicker Magnet Assemble Cooling Skid C in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.8 RR Ext/MI Inj Kicker Magnet LV Testing New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.9 RR Ext/MI Inj Kicker HV Testing RR Ext & MI Inj Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.4 RR Ext/MI Inj Line Kicker Checkout/Test Pulsers into Dummy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.5 RR Ext/MI Inj Line Kick Inst Mags, Cables & Fluor Piping i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.1 Prep Req & Award PO for RR Ext Line Kicker PS Thyratrons	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.11 RR Extraction Line Kicker PS Prep Req & Award PO for 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.12 RR Extraction Line Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.13 RR Extraction Line Kicker Power Supply System Procure 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.14 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.15 MI Injection/RR Extraction/Beam Abort Line Kicker Recei	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.18 MI Injection Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.19 RR Extraction Line Kicker PS System Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.2 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.20 Beam Abort Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.5 RR Extract Line Kicker PS Prep Req & Award PO for All Ot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.6 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.3 RR Extraction Kicker PS Wind 12 cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.4 Extraction Line Kicker PS Wind Cable on 2 Spare PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.5 RR Extraction Kicker PS Install 12 PFL Frames in MI-30 B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.6 Extraction Line Kicker PS Install 2 Spare PFL Frames in	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.1 Procure 3 Beamtubes for RR Abort from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.10 Beam Abort Kicker Procure 2 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.2 Prep Req & Award PO for Ferrites for 2 RR Abort Kicker M	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.3 Receive RR Abort Kicker Magnet Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.4 Prep Req & Award PO for RR Abort Kicker Other Parts for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.5 Receive RR Abort Kicker Magnet Other Parts for Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.6 Beam Abort Kick Prep Req & Award PO for Parts & Flourine	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.0.1.2.2.2.3 RR Inj Assemble 4 Pulser Housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.4 RR Inj Assemble 1 Bumper System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.5 RR Inj Measure & Assemble 6 Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.3 RR Injection Checkout/Test Pulsers into Dummy Load in MI-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.4 Remove Gap Clearing Kicker System from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.5 RR Inj & Gap Clear Inst Mags, Cables & Fluor Piping in Tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.1 Procure 14 Beamtubes for RR Ext/ MI Inj from TD Inventor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.11 Prep Req & Award PO for Parts for MI Inject HV & Tail B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.12 Receive Parts for MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.16 RR Ext/MI Inject Kicker Magnet Kovar Braze 7 Ceramic Be	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.2 RR Ext/MI Inj Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.3 Prep Req & Award PO for All Magnet Ferrites for RR Extra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.4 Receive RR Extract/MI Inject Kicker Ferrites for 5 magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.5 RR Ext/MI Inject Kicker Prep Req & Award PO for All Othe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.6 RR Ext/MI Inject Kicker Receive All Other Parts for 5 Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.7 RR Ext Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.8 RR Ext Kicker Receive Parts & Fluorinert for Cooling Sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.17 Prep Req & Award PO for 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.18 Receive 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.19 Prep Req & Award PO for Kovar brazing of 10 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.20 Receive 10 brazed beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.10 RR Ext/MI Inj Kicker Life testing in MI-30 or PS-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.11 Assemble MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.3 RR Ext/MI Inj Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.4 RR Ext/MI Injection Kicker Magnet Assemble 5 New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.5 RR Ext/MI Injection Kicker Magnet Assemble 5 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.6 RR Ext/MI Injection Kicker Magnet Attach 8 Cable Adaptor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.7 RR Ext Kicker Magnet Assemble Cooling Skid C in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.8 RR Ext/MI Inj Kicker Magnet LV Testing New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.9 RR Ext/MI Inj Kicker HV Testing RR Ext & MI Inj Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.4 RR Ext/MI Inj Line Kicker Checkout/Test Pulsers into Dummy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.5 RR Ext/MI Inj Line Kick Inst Mags, Cables & Fluor Piping i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.1 Prep Req & Award PO for RR Ext Line Kicker PS Thyratrons	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.11 RR Extraction Line Kicker PS Prep Req & Award PO for 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.12 RR Extraction Line Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.13 RR Extraction Line Kicker Power Supply System Procure 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.14 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.15 MI Injection/RR Extraction/Beam Abort Line Kicker Recei	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.18 MI Injection Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.19 RR Extraction Line Kicker PS System Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.2 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.20 Beam Abort Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.5 RR Extract Line Kicker PS Prep Req & Award PO for All Ot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.6 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.3 RR Extraction Kicker PS Wind 12 cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.4 Extraction Line Kicker PS Wind Cable on 2 Spare PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.5 RR Extraction Kicker PS Install 12 PFL Frames in MI-30 B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.6 Extraction Line Kicker PS Install 2 Spare PFL Frames in	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.1 Procure 3 Beamtubes for RR Abort from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.10 Beam Abort Kicker Procure 2 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.2 Prep Req & Award PO for Ferrites for 2 RR Abort Kicker M	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.3 Receive RR Abort Kicker Magnet Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.4 Prep Req & Award PO for RR Abort Kicker Other Parts for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.5 Receive RR Abort Kicker Magnet Other Parts for Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.6 Beam Abort Kick Prep Req & Award PO for Parts & Flourine	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.0.1.2.2.2.3 RR Inj Assemble 4 Pulser Housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.4 RR Inj Assemble 1 Bumper System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.5 RR Inj Measure & Assemble 6 Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.3 RR Injection Checkout/Test Pulsers into Dummy Load in MI-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.4 Remove Gap Clearing Kicker System from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.5 RR Inj & Gap Clear Inst Mags, Cables & Fluor Piping in Tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.1 Procure 14 Beamtubes for RR Ext/ MI Inj from TD Inventor	BCWS	52,480	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.11 Prep Req & Award PO for Parts for MI Inject HV & Tail B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.12 Receive Parts for MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.16 RR Ext/MI Inject Kicker Magnet Kovar Braze 7 Ceramic Be	BCWS	0	0	5,919	14,797	16,777	16,777	16,014	16,014	17,025	14,703	15,477
2.0.1.2.3.2.2 RR Ext/MI Inj Select Ceramic Tubes & Cut to Length	BCWS	6,858	7,580	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.3 Prep Req & Award PO for All Magnet Ferrites for RR Extra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.4 Receive RR Extract/MI Inject Kicker Ferrites for 5 magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.5 RR Ext/MI Inject Kicker Prep Req & Award PO for All Othe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.6 RR Ext/MI Inject Kicker Receive All Other Parts for 5 Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.7 RR Ext Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	1,307	6,534	5,665	0	0	0	0	0	0
2.0.1.2.3.2.8 RR Ext Kicker Receive Parts & Fluorinert for Cooling Sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.17 Prep Req & Award PO for 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.18 Receive 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.19 Prep Req & Award PO for Kovar brazing of 10 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.20 Receive 10 brazed beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.10 RR Ext/MI Inj Kicker Life testing in MI-30 or PS-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.11 Assemble MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.3 RR Ext/MI Inj Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.4 RR Ext/MI Injection Kicker Magnet Assemble 5 New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.5 RR Ext/MI Injection Kicker Magnet Assemble 5 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.6 RR Ext/MI Injection Kicker Magnet Attach 8 Cable Adaptor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.7 RR Ext Kicker Magnet Assemble Cooling Skid C in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	19,452
2.0.1.2.3.3.8 RR Ext/MI Inj Kicker Magnet LV Testing New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.9 RR Ext/MI Inj Kicker HV Testing RR Ext & MI Inj Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.4 RR Ext/MI Inj Line Kicker Checkout/Test Pulsers into Dummy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.5 RR Ext/MI Inj Line Kick Inst Mags, Cables & Fluor Piping i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.1 Prep Req & Award PO for RR Ext Line Kicker PS Thyratrons	BCWS	0	1,648	1,491	0	0	0	0	0	0	0	0
2.0.1.2.4.1.11 RR Extraction Line Kicker PS Prep Req & Award PO for 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.12 RR Extraction Line Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.13 RR Extraction Line Kicker Power Supply System Procure 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.14 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	4,375	4,375	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.15 MI Injection/RR Extraction/Beam Abort Line Kicker Recei	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.18 MI Injection Kicker PS Procure Spare Cable (2 spools)	BCWS	9,075	9,982	4,084	0	0	0	0	0	0	0	0
2.0.1.2.4.1.19 RR Extraction Line Kicker PS System Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	10,095	8,718	4,588
2.0.1.2.4.1.2 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	1,318	8,789	9,845	9,845	5,818	0	0	0	0
2.0.1.2.4.1.20 Beam Abort Kicker PS Procure Spare Cable (2 spools)	BCWS	9,075	9,982	4,084	0	0	0	0	0	0	0	0
2.0.1.2.4.1.5 RR Extract Line Kicker PS Prep Req & Award PO for All Ot	BCWS	0	8,953	8,100	0	0	0	0	0	0	0	0
2.0.1.2.4.1.6 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	4,768	31,788	35,505	35,505	20,980	0	0	0	0
2.0.1.2.4.2.3 RR Extraction Kicker PS Wind 12 cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.4 Extraction Line Kicker PS Wind Cable on 2 Spare PFL Fram	BCWS	0	0	0	7,524	0	0	0	0	0	0	0
2.0.1.2.4.2.5 RR Extraction Kicker PS Install 12 PFL Frames in MI-30 B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.6 Extraction Line Kicker PS Install 2 Spare PFL Frames in	BCWS	0	0	0	2,505	0	0	0	0	0	0	0
2.0.1.2.5.1.1 Procure 3 Beamtubes for RR Abort from TD Inventory	BCWS	12,707	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.10 Beam Abort Kicker Procure 2 Spare PFL Frames	BCWS	0	0	2,519	2,290	2,530	1,840	0	0	0	0	0
2.0.1.2.5.1.2 Prep Req & Award PO for Ferrites for 2 RR Abort Kicker M	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.3 Receive RR Abort Kicker Magnet Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.4 Prep Req & Award PO for RR Abort Kicker Other Parts for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.5 Receive RR Abort Kicker Magnet Other Parts for Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.6 Beam Abort Kick Prep Req & Award PO for Parts & Flourine	BCWS	0	0	1,307	6,534	5,665	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.0.1.2.2.2.3 RR Inj Assemble 4 Pulser Housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.4 RR Inj Assemble 1 Bumper System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.5 RR Inj Measure & Assemble 6 Loads	BCWS	0	0	0	0	0	22,437	36,244	37,970	24,163	0	0
2.0.1.2.2.3 RR Injection Checkout/Test Pulsers into Dummy Load in MI-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.4 Remove Gap Clearing Kicker System from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.5 RR Inj & Gap Clear Inst Mags, Cables & Fluor Piping in Tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.1 Procure 14 Beamtubes for RR Ext/ MI Inj from TD Inventor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.11 Prep Req & Award PO for Parts for MI Inject HV & Tail B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.12 Receive Parts for MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.16 RR Ext/MI Inject Kicker Magnet Kovar Braze 7 Ceramic Be	BCWS	14,703	15,477	4,643	0	0	0	0	0	0	0	0
2.0.1.2.3.2.2 RR Ext/MI Inj Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.3 Prep Req & Award PO for All Magnet Ferrites for RR Extra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.4 Receive RR Extract/MI Inject Kicker Ferrites for 5 magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.5 RR Ext/MI Inject Kicker Prep Req & Award PO for All Othe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.6 RR Ext/MI Inject Kicker Receive All Other Parts for 5 Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.7 RR Ext Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.8 RR Ext Kicker Receive Parts & Fluorinert for Cooling Sy	BCWS	76,404	8,043	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.17 Prep Req & Award PO for 20 beam tubes	BCWS	0	0	0	0	0	0	991	1,091	0	0	0
2.0.1.2.3.2.18 Receive 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.19 Prep Req & Award PO for Kovar brazing of 10 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.20 Receive 10 brazed beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.10 RR Ext/MI Inj Kicker Life testing in MI-30 or PS-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.11 Assemble MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.3 RR Ext/MI Inj Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.4 RR Ext/MI Injection Kicker Magnet Assemble 5 New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.5 RR Ext/MI Injection Kicker Magnet Assemble 5 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.6 RR Ext/MI Injection Kicker Magnet Attach 8 Cable Adaptor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.7 RR Ext Kicker Magnet Assemble Cooling Skid C in MI-30	BCWS	46,199	31,610	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.8 RR Ext/MI Inj Kicker Magnet LV Testing New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.9 RR Ext/MI Inj Kicker HV Testing RR Ext & MI Inj Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.4 RR Ext/MI Inj Line Kicker Checkout/Test Pulsers into Dummy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.5 RR Ext/MI Inj Line Kick Inst Mags, Cables & Fluor Piping i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.1 Prep Req & Award PO for RR Ext Line Kicker PS Thyratrons	BCWS	0	0	0	0	-3,123	0	0	0	0	0	0
2.0.1.2.4.1.11 RR Extraction Line Kicker PS Prep Req & Award PO for 12	BCWS	0	1,460	3,358	1,022	0	0	0	0	0	0	0
2.0.1.2.4.1.12 RR Extraction Line Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	16,815	36,992	13,452	0	0	0	0
2.0.1.2.4.1.13 RR Extraction Line Kicker Power Supply System Procure 2	BCWS	0	1,158	2,663	2,547	2,316	579	0	0	0	0	0
2.0.1.2.4.1.14 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.15 MI Injection/RR Extraction/Beam Abort Line Kicker Recei	BCWS	0	0	0	0	0	0	0	0	60,080	279,230	0
2.0.1.2.4.1.18 MI Injection Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.19 RR Extraction Line Kicker PS System Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.2 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	-35,616	0	0	0	0	0	0
2.0.1.2.4.1.20 Beam Abort Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.5 RR Extract Line Kicker PS Prep Req & Award PO for All Ot	BCWS	0	0	0	0	-17,052	0	0	0	0	0	0
2.0.1.2.4.1.6 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	-128,549	0	0	0	0	0	0
2.0.1.2.4.2.3 RR Extraction Kicker PS Wind 12 cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	37,274	0
2.0.1.2.4.2.4 Extraction Line Kicker PS Wind Cable on 2 Spare PFL Fram	BCWS	0	0	0	0	0	-7,526	0	0	8,633	0	0
2.0.1.2.4.2.5 RR Extraction Kicker PS Install 12 PFL Frames in MI-30 B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.6 Extraction Line Kicker PS Install 2 Spare PFL Frames in	BCWS	0	0	0	0	0	-2,505	0	0	0	0	0
2.0.1.2.5.1.1 Procure 3 Beamtubes for RR Abort from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.10 Beam Abort Kicker Procure 2 Spare PFL Frames	BCWS	0	0	0	0	0	-9,179	0	0	0	0	2,454
2.0.1.2.5.1.2 Prep Req & Award PO for Ferrites for 2 RR Abort Kicker M	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.3 Receive RR Abort Kicker Magnet Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.4 Prep Req & Award PO for RR Abort Kicker Other Parts for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.5 Receive RR Abort Kicker Magnet Other Parts for Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.6 Beam Abort Kick Prep Req & Award PO for Parts & Flourine	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.0.1.2.2.2.3 RR Inj Assemble 4 Pulser Housing	BCWS	0	0	0	0	15,092	28,811	30,183	8,232	0	0	0
2.0.1.2.2.2.4 RR Inj Assemble 1 Bumper System	BCWS	0	0	0	6,492	12,984	0	0	0	0	0	0
2.0.1.2.2.2.5 RR Inj Measure & Assemble 6 Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.3 RR Injection Checkout/Test Pulsers into Dummy Load in MI-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.4 Remove Gap Clearing Kicker System from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.5 RR Inj & Gap Clear Inst Mags, Cables & Fluor Piping in Tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.1 Procure 14 Beamtubes for RR Ext/ MI Inj from TD Inventor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.11 Prep Req & Award PO for Parts for MI Inject HV & Tail B	BCWS	0	0	0	0	0	0	0	0	0	0	2,685
2.0.1.2.3.2.12 Receive Parts for MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.16 RR Ext/MI Inject Kicker Magnet Kovar Braze 7 Ceramic Be	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.2 RR Ext/MI Inj Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.3 Prep Req & Award PO for All Magnet Ferrites for RR Extra	BCWS	0	0	741	3,410	889	0	0	0	0	0	0
2.0.1.2.3.2.4 Receive RR Extract/MI Inject Kicker Ferrites for 5 magne	BCWS	0	0	0	0	16,036	22,450	23,520	21,381	24,589	22,450	23,013
2.0.1.2.3.2.5 RR Ext/MI Inject Kicker Prep Req & Award PO for All Othe	BCWS	0	12,305	18,930	6,626	0	0	0	0	0	0	0
2.0.1.2.3.2.6 RR Ext/MI Inject Kicker Receive All Other Parts for 5 Ma	BCWS	0	0	0	287,745	71,936	0	0	0	0	0	0
2.0.1.2.3.2.7 RR Ext Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.8 RR Ext Kicker Receive Parts & Fluorinert for Cooling Sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.17 Prep Req & Award PO for 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.18 Receive 20 beam tubes	BCWS	0	0	12,281	35,308	32,238	16,887	0	0	0	0	0
2.0.1.2.3.2.19 Prep Req & Award PO for Kovar brazing of 10 beam tubes	BCWS	0	0	0	0	0	3,867	8,507	3,867	0	0	0
2.0.1.2.3.2.20 Receive 10 brazed beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	16,780
2.0.1.2.3.3.10 RR Ext/MI Inj Kicker Life testing in MI-30 or PS-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.11 Assemble MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.3 RR Ext/MI Inj Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	42,585
2.0.1.2.3.3.4 RR Ext/MI Injection Kicker Magnet Assemble 5 New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.5 RR Ext/MI Injection Kicker Magnet Assemble 5 loads	BCWS	0	0	0	0	0	26,729	36,752	33,411	11,694	0	0
2.0.1.2.3.3.6 RR Ext/MI Injection Kicker Magnet Attach 8 Cable Adaptor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.7 RR Ext Kicker Magnet Assemble Cooling Skid C in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.8 RR Ext/MI Inj Kicker Magnet LV Testing New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.9 RR Ext/MI Inj Kicker HV Testing RR Ext & MI Inj Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.4 RR Ext/MI Inj Line Kicker Checkout/Test Pulsers into Dummy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.5 RR Ext/MI Inj Line Kick Inst Mags, Cables & Fluor Piping i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.1 Prep Req & Award PO for RR Ext Line Kicker PS Thyratrons	BCWS	0	1,780	1,874	0	0	0	0	0	0	0	0
2.0.1.2.4.1.11 RR Extraction Line Kicker PS Prep Req & Award PO for 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.12 RR Extraction Line Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.13 RR Extraction Line Kicker Power Supply System Procure 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.14 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.15 MI Injection/RR Extraction/Beam Abort Line Kicker Recei	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.18 MI Injection Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.19 RR Extraction Line Kicker PS System Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.2 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	7,540	12,653	17,277	0	0	0	0	0	0
2.0.1.2.4.1.20 Beam Abort Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.5 RR Extract Line Kicker PS Prep Req & Award PO for All Ot	BCWS	0	9,672	10,181	0	0	0	0	0	0	0	0
2.0.1.2.4.1.6 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	25,874	44,689	64,366	0	0	0	0	0	0
2.0.1.2.4.2.3 RR Extraction Kicker PS Wind 12 cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.4 Extraction Line Kicker PS Wind Cable on 2 Spare PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.5 RR Extraction Kicker PS Install 12 PFL Frames in MI-30 B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.6 Extraction Line Kicker PS Install 2 Spare PFL Frames in	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.1 Procure 3 Beamtubes for RR Abort from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.10 Beam Abort Kicker Procure 2 Spare PFL Frames	BCWS	4,907	2,208	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.2 Prep Req & Award PO for Ferrites for 2 RR Abort Kicker M	BCWS	0	15,190	8,179	0	0	0	0	0	0	0	0
2.0.1.2.5.1.3 Receive RR Abort Kicker Magnet Ferrites	BCWS	0	0	15,665	8,435	0	0	0	0	0	0	0
2.0.1.2.5.1.4 Prep Req & Award PO for RR Abort Kicker Other Parts for	BCWS	0	12,183	6,560	0	0	0	0	0	0	0	0
2.0.1.2.5.1.5 Receive RR Abort Kicker Magnet Other Parts for Magnet	BCWS	0	0	12,322	21,800	19,905	2,844	0	0	0	0	0
2.0.1.2.5.1.6 Beam Abort Kick Prep Req & Award PO for Parts & Flourine	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.0.1.2.2.2.3 RR Inj Assemble 4 Pulser Housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.4 RR Inj Assemble 1 Bumper System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.5 RR Inj Measure & Assemble 6 Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.3 RR Injection Checkout/Test Pulsers into Dummy Load in MI-1	BCWS	0	0	0	0	0	4,893	21,531	20,552	20,552	10,765	0
2.0.1.2.2.4 Remove Gap Clearing Kicker System from MI	BCWS	0	0	24,256	0	0	0	0	0	0	0	0
2.0.1.2.2.5 RR Inj & Gap Clear Inst Mags, Cables & Fluor Piping in Tun	BCWS	0	0	0	0	0	0	0	0	0	102,208	161,829
2.0.1.2.3.2.1 Procure 14 Beamtubes for RR Ext/ MI Inj from TD Inventor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.11 Prep Req & Award PO for Parts for MI Inject HV & Tail B	BCWS	5,966	3,281	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.12 Receive Parts for MI Inject HV & Tail Bumper Pulsers	BCWS	0	91,949	229,872	137,923	0	0	0	0	0	0	0
2.0.1.2.3.2.16 RR Ext/MI Inject Kicker Magnet Kovar Braze 7 Ceramic Be	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.2 RR Ext/MI Inj Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.3 Prep Req & Award PO for All Magnet Ferrites for RR Extra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.4 Receive RR Extract/MI Inject Kicker Ferrites for 5 magne	BCWS	18,629	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.5 RR Ext/MI Inject Kicker Prep Req & Award PO for All Othe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.6 RR Ext/MI Inject Kicker Receive All Other Parts for 5 Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.7 RR Ext Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.8 RR Ext Kicker Receive Parts & Fluorinert for Cooling Sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.17 Prep Req & Award PO for 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.18 Receive 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.19 Prep Req & Award PO for Kovar brazing of 10 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.20 Receive 10 brazed beam tubes	BCWS	27,967	26,568	27,967	29,365	30,763	15,382	0	0	0	0	0
2.0.1.2.3.3.10 RR Ext/MI Inj Kicker Life testing in MI-30 or PS-4	BCWS	0	0	0	0	0	0	0	0	0	0	7,829
2.0.1.2.3.3.11 Assemble MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	35,150	82,018	0	0	0	0	0	0
2.0.1.2.3.3.3 RR Ext/MI Inj Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.4 RR Ext/MI Injection Kicker Magnet Assemble 5 New Magnet	BCWS	13,281	126,170	132,811	139,451	19,922	0	0	0	0	0	0
2.0.1.2.3.3.5 RR Ext/MI Injection Kicker Magnet Assemble 5 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.6 RR Ext/MI Injection Kicker Magnet Attach 8 Cable Adaptor	BCWS	0	0	0	0	28,071	0	0	0	0	0	0
2.0.1.2.3.3.7 RR Ext Kicker Magnet Assemble Cooling Skid C in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.8 RR Ext/MI Inj Kicker Magnet LV Testing New Magnet	BCWS	0	0	0	0	979	20,552	17,616	0	0	0	0
2.0.1.2.3.3.9 RR Ext/MI Inj Kicker HV Testing RR Ext & MI Inj Magnets	BCWS	0	0	0	0	0	0	3,915	20,552	20,552	22,510	10,765
2.0.1.2.3.4 RR Ext/MI Inj Line Kicker Checkout/Test Pulsers into Dummy	BCWS	0	0	18,543	10,817	0	0	0	0	0	0	0
2.0.1.2.3.5 RR Ext/MI Inj Line Kick Inst Mags, Cables & Fluor Piping i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.1 Prep Req & Award PO for RR Ext Line Kicker PS Thyratrons	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.11 RR Extraction Line Kicker PS Prep Req & Award PO for 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.12 RR Extraction Line Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.13 RR Extraction Line Kicker Power Supply System Procure 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.14 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.15 MI Injection/RR Extraction/Beam Abort Line Kicker Recei	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.18 MI Injection Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.19 RR Extraction Line Kicker PS System Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.2 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.20 Beam Abort Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.5 RR Extract Line Kicker PS Prep Req & Award PO for All Ot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.6 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.3 RR Extraction Kicker PS Wind 12 cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.4 Extraction Line Kicker PS Wind Cable on 2 Spare PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.5 RR Extraction Kicker PS Install 12 PFL Frames in MI-30 B	BCWS	0	6,113	12,226	0	0	0	0	0	0	0	0
2.0.1.2.4.2.6 Extraction Line Kicker PS Install 2 Spare PFL Frames in	BCWS	0	0	0	0	0	3,056	0	0	0	0	0
2.0.1.2.5.1.1 Procure 3 Beamtubes for RR Abort from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.10 Beam Abort Kicker Procure 2 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.2 Prep Req & Award PO for Ferrites for 2 RR Abort Kicker M	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.3 Receive RR Abort Kicker Magnet Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.4 Prep Req & Award PO for RR Abort Kicker Other Parts for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.5 Receive RR Abort Kicker Magnet Other Parts for Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.6 Beam Abort Kick Prep Req & Award PO for Parts & Flourine	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.0.1.2.2.2.3 RR Inj Assemble 4 Pulser Housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.4 RR Inj Assemble 1 Bumper System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.5 RR Inj Measure & Assemble 6 Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.3 RR Injection Checkout/Test Pulsers into Dummy Load in MI-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.4 Remove Gap Clearing Kicker System from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.5 RR Inj & Gap Clear Inst Mags, Cables & Fluor Piping in Tun	BCWS	89,181	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.1 Procure 14 Beamtubes for RR Ext/ MI Inj from TD Inventor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.11 Prep Req & Award PO for Parts for MI Inject HV & Tail B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.12 Receive Parts for MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.16 RR Ext/MI Inject Kicker Magnet Kovar Braze 7 Ceramic Be	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.2 RR Ext/MI Inj Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.3 Prep Req & Award PO for All Magnet Ferrites for RR Extra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.4 Receive RR Extract/MI Inject Kicker Ferrites for 5 magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.5 RR Ext/MI Inject Kicker Prep Req & Award PO for All Othe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.6 RR Ext/MI Inject Kicker Receive All Other Parts for 5 Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.7 RR Ext Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.8 RR Ext Kicker Receive Parts & Fluorinert for Cooling Sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.17 Prep Req & Award PO for 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.18 Receive 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.19 Prep Req & Award PO for Kovar brazing of 10 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.20 Receive 10 brazed beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.10 RR Ext/MI Inj Kicker Life testing in MI-30 or PS-4	BCWS	23,591	9,231	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.11 Assemble MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.3 RR Ext/MI Inj Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.4 RR Ext/MI Injection Kicker Magnet Assemble 5 New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.5 RR Ext/MI Injection Kicker Magnet Assemble 5 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.6 RR Ext/MI Injection Kicker Magnet Attach 8 Cable Adaptor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.7 RR Ext Kicker Magnet Assemble Cooling Skid C in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.8 RR Ext/MI Inj Kicker Magnet LV Testing New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.9 RR Ext/MI Inj Kicker HV Testing RR Ext & MI Inj Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.4 RR Ext/MI Inj Line Kicker Checkout/Test Pulsers into Dummy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.5 RR Ext/MI Inj Line Kick Inst Mags, Cables & Fluor Piping i	BCWS	0	106,836	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.1 Prep Req & Award PO for RR Ext Line Kicker PS Thyratrons	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.11 RR Extraction Line Kicker PS Prep Req & Award PO for 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.12 RR Extraction Line Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.13 RR Extraction Line Kicker Power Supply System Procure 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.14 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.15 MI Injection/RR Extraction/Beam Abort Line Kicker Recei	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.18 MI Injection Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.19 RR Extraction Line Kicker PS System Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.2 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.20 Beam Abort Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.5 RR Extract Line Kicker PS Prep Req & Award PO for All Ot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.6 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.3 RR Extraction Kicker PS Wind 12 cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.4 Extraction Line Kicker PS Wind Cable on 2 Spare PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.5 RR Extraction Kicker PS Install 12 PFL Frames in MI-30 B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.6 Extraction Line Kicker PS Install 2 Spare PFL Frames in	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.1 Procure 3 Beamtubes for RR Abort from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.10 Beam Abort Kicker Procure 2 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.2 Prep Req & Award PO for Ferrites for 2 RR Abort Kicker M	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.3 Receive RR Abort Kicker Magnet Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.4 Prep Req & Award PO for RR Abort Kicker Other Parts for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.5 Receive RR Abort Kicker Magnet Other Parts for Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.6 Beam Abort Kick Prep Req & Award PO for Parts & Flourine	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.0.1.2.2.2.3 RR Inj Assemble 4 Pulser Housing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.4 RR Inj Assemble 1 Bumper System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.2.5 RR Inj Measure & Assemble 6 Loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.3 RR Injection Checkout/Test Pulsers into Dummy Load in MI-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.4 Remove Gap Clearing Kicker System from MI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.2.5 RR Inj & Gap Clear Inst Mags, Cables & Fluor Piping in Tun	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.1 Procure 14 Beamtubes for RR Ext/ MI Inj from TD Inventor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.11 Prep Req & Award PO for Parts for MI Inject HV & Tail B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.12 Receive Parts for MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.16 RR Ext/MI Inject Kicker Magnet Kovar Braze 7 Ceramic Be	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.2 RR Ext/MI Inj Select Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.3 Prep Req & Award PO for All Magnet Ferrites for RR Extra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.4 Receive RR Extract/MI Inject Kicker Ferrites for 5 magne	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.5 RR Ext/MI Inject Kicker Prep Req & Award PO for All Othe	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.6 RR Ext/MI Inject Kicker Receive All Other Parts for 5 Ma	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.7 RR Ext Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.8 RR Ext Kicker Receive Parts & Fluorinert for Cooling Sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.17 Prep Req & Award PO for 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.18 Receive 20 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.19 Prep Req & Award PO for Kovar brazing of 10 beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.2.20 Receive 10 brazed beam tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.10 RR Ext/MI Inj Kicker Life testing in MI-30 or PS-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.11 Assemble MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.3 RR Ext/MI Inj Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.4 RR Ext/MI Injection Kicker Magnet Assemble 5 New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.5 RR Ext/MI Injection Kicker Magnet Assemble 5 loads	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.6 RR Ext/MI Injection Kicker Magnet Attach 8 Cable Adaptor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.7 RR Ext Kicker Magnet Assemble Cooling Skid C in MI-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.8 RR Ext/MI Inj Kicker Magnet LV Testing New Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.3.9 RR Ext/MI Inj Kicker HV Testing RR Ext & MI Inj Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.4 RR Ext/MI Inj Line Kicker Checkout/Test Pulsers into Dummy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.3.5 RR Ext/MI Inj Line Kick Inst Mags, Cables & Fluor Piping i	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.1 Prep Req & Award PO for RR Ext Line Kicker PS Thyratrons	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.11 RR Extraction Line Kicker PS Prep Req & Award PO for 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.12 RR Extraction Line Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.13 RR Extraction Line Kicker Power Supply System Procure 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.14 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.15 MI Injection/RR Extraction/Beam Abort Line Kicker Recei	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.18 MI Injection Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.19 RR Extraction Line Kicker PS System Procure Spare Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.2 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.20 Beam Abort Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.5 RR Extract Line Kicker PS Prep Req & Award PO for All Ot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.1.6 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.3 RR Extraction Kicker PS Wind 12 cables on PFL frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.4 Extraction Line Kicker PS Wind Cable on 2 Spare PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.5 RR Extraction Kicker PS Install 12 PFL Frames in MI-30 B	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.4.2.6 Extraction Line Kicker PS Install 2 Spare PFL Frames in	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.1 Procure 3 Beamtubes for RR Abort from TD Inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.10 Beam Abort Kicker Procure 2 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.2 Prep Req & Award PO for Ferrites for 2 RR Abort Kicker M	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.3 Receive RR Abort Kicker Magnet Ferrites	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.4 Prep Req & Award PO for RR Abort Kicker Other Parts for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.5 Receive RR Abort Kicker Magnet Other Parts for Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.6 Beam Abort Kick Prep Req & Award PO for Parts & Flourine	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.0.1.2.2.2.3 RR Inj Assemble 4 Pulser Housing	BCWS	0	0	82,318
2.0.1.2.2.2.4 RR Inj Assemble 1 Bumper System	BCWS	0	0	19,476
2.0.1.2.2.2.5 RR Inj Measure & Assemble 6 Loads	BCWS	0	0	120,813
2.0.1.2.2.3 RR Injection Checkout/Test Pulsers into Dummy Load in MI-1	BCWS	0	0	78,294
2.0.1.2.2.4 Remove Gap Clearing Kicker System from MI	BCWS	0	0	24,256
2.0.1.2.2.5 RR Inj & Gap Clear Inst Mags, Cables & Fluor Piping in Tun	BCWS	0	0	353,218
2.0.1.2.3.2.1 Procure 14 Beamtubes for RR Ext/ MI Inj from TD Inventor	BCWS	0	0	52,480
2.0.1.2.3.2.11 Prep Req & Award PO for Parts for MI Inject HV & Tail B	BCWS	0	0	11,932
2.0.1.2.3.2.12 Receive Parts for MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	459,744
2.0.1.2.3.2.16 RR Ext/MI Inject Kicker Magnet Kovar Braze 7 Ceramic Be	BCWS	0	0	168,328
2.0.1.2.3.2.2 RR Ext/MI Inj Select Ceramic Tubes & Cut to Length	BCWS	0	0	14,438
2.0.1.2.3.2.3 Prep Req & Award PO for All Magnet Ferrites for RR Extra	BCWS	0	0	5,040
2.0.1.2.3.2.4 Receive RR Extract/MI Inject Kicker Ferrites for 5 magne	BCWS	0	0	172,069
2.0.1.2.3.2.5 RR Ext/MI Inject Kicker Prep Req & Award PO for All Othe	BCWS	0	0	37,860
2.0.1.2.3.2.6 RR Ext/MI Inject Kicker Receive All Other Parts for 5 Ma	BCWS	0	0	359,681
2.0.1.2.3.2.7 RR Ext Kick Prep Req & Award PO for Parts & Fluorinert f	BCWS	0	0	13,506
2.0.1.2.3.2.8 RR Ext Kicker Receive Parts & Fluorinert for Cooling Sy	BCWS	0	0	84,446
2.0.1.2.3.2.17 Prep Req & Award PO for 20 beam tubes	BCWS	0	0	2,082
2.0.1.2.3.2.18 Receive 20 beam tubes	BCWS	0	0	96,714
2.0.1.2.3.2.19 Prep Req & Award PO for Kovar brazing of 10 beam tubes	BCWS	0	0	16,241
2.0.1.2.3.2.20 Receive 10 brazed beam tubes	BCWS	0	0	174,792
2.0.1.2.3.3.10 RR Ext/MI Inj Kicker Life testing in MI-30 or PS-4	BCWS	0	0	40,651
2.0.1.2.3.3.11 Assemble MI Inject HV & Tail Bumper Pulsers	BCWS	0	0	117,168
2.0.1.2.3.3.3 RR Ext/MI Inj Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	42,585
2.0.1.2.3.3.4 RR Ext/MI Injection Kicker Magnet Assemble 5 New Magnet	BCWS	0	0	431,635
2.0.1.2.3.3.5 RR Ext/MI Injection Kicker Magnet Assemble 5 loads	BCWS	0	0	108,586
2.0.1.2.3.3.6 RR Ext/MI Injection Kicker Magnet Attach 8 Cable Adaptor	BCWS	0	0	28,071
2.0.1.2.3.3.7 RR Ext Kicker Magnet Assemble Cooling Skid C in MI-30	BCWS	0	0	97,261
2.0.1.2.3.3.8 RR Ext/MI Inj Kicker Magnet LV Testing New Magnet	BCWS	0	0	39,147
2.0.1.2.3.3.9 RR Ext/MI Inj Kicker HV Testing RR Ext & MI Inj Magnets	BCWS	0	0	78,294
2.0.1.2.3.4 RR Ext/MI Inj Line Kicker Checkout/Test Pulsers into Dummy	BCWS	0	0	29,360
2.0.1.2.3.5 RR Ext/MI Inj Line Kick Inst Mags, Cables & Fluor Piping i	BCWS	0	0	106,836
2.0.1.2.4.1.1 Prep Req & Award PO for RR Ext Line Kicker PS Thyratrons	BCWS	0	0	3,670
2.0.1.2.4.1.11 RR Extraction Line Kicker PS Prep Req & Award PO for 12	BCWS	0	0	5,840
2.0.1.2.4.1.12 RR Extraction Line Kicker PS Receive 12 PFL Frames	BCWS	0	0	67,259
2.0.1.2.4.1.13 RR Extraction Line Kicker Power Supply System Procure 2	BCWS	0	0	9,263
2.0.1.2.4.1.14 MI Inj/RR Extraction/Beam Abort Line Kicker Prep Req &	BCWS	0	0	8,750
2.0.1.2.4.1.15 MI Injection/RR Extraction/Beam Abort Line Kicker Recei	BCWS	0	0	339,311
2.0.1.2.4.1.18 MI Injection Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	23,141
2.0.1.2.4.1.19 RR Extraction Line Kicker PS System Procure Spare Cable	BCWS	0	0	23,401
2.0.1.2.4.1.2 RR Extraction Line Kicker PS ReceiveThyratrons for 1 HV	BCWS	0	0	37,471
2.0.1.2.4.1.20 Beam Abort Kicker PS Procure Spare Cable (2 spools)	BCWS	0	0	23,141
2.0.1.2.4.1.5 RR Extract Line Kicker PS Prep Req & Award PO for All Ot	BCWS	0	0	19,853
2.0.1.2.4.1.6 RR Extract Line Kicker PS Receive All Other Parts for 1	BCWS	0	0	134,927
2.0.1.2.4.2.3 RR Extraction Kicker PS Wind 12 cables on PFL frames	BCWS	0	0	37,274
2.0.1.2.4.2.4 Extraction Line Kicker PS Wind Cable on 2 Spare PFL Fram	BCWS	0	0	8,631
2.0.1.2.4.2.5 RR Extraction Kicker PS Install 12 PFL Frames in MI-30 B	BCWS	0	0	18,339
2.0.1.2.4.2.6 Extraction Line Kicker PS Install 2 Spare PFL Frames in	BCWS	0	0	3,056
2.0.1.2.5.1.1 Procure 3 Beamtubes for RR Abort from TD Inventory	BCWS	0	0	12,707
2.0.1.2.5.1.10 Beam Abort Kicker Procure 2 Spare PFL Frames	BCWS	0	0	9,570
2.0.1.2.5.1.2 Prep Req & Award PO for Ferrites for 2 RR Abort Kicker M	BCWS	0	0	23,370
2.0.1.2.5.1.3 Receive RR Abort Kicker Magnet Ferrites	BCWS	0	0	24,101
2.0.1.2.5.1.4 Prep Req & Award PO for RR Abort Kicker Other Parts for	BCWS	0	0	18,742
2.0.1.2.5.1.5 Receive RR Abort Kicker Magnet Other Parts for Magnet	BCWS	0	0	56,870
2.0.1.2.5.1.6 Beam Abort Kick Prep Req & Award PO for Parts & Flourine	BCWS	0	0	13,506

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.0.1.2.5.1.7 Beam Abort Kicker Receive Parts & Flourinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.8 Beam Abort Kicker PS Prep Req & Award PO for 12 PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.9 Beam Abort Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.11 Procure 1 beam tube for RR abort from TD inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.1 Beam Abort Kicker Assemble 2 Magnet Bodies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.11 Beam Abort Kicker Install & Checkout/Test Pulser into D	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.12 BA Abort Kicker Inst Mag, Cables & Fluor Piping in Tunn	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.2 Beam Abort Kicker Assemble 1 Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.3 RR Abort Select 3 Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.4 RR Abort Kicker Magnet Kovar Braze 3 Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.5 RR Abort Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.6 Beam Abort Kicker Attach 2 Cable Adaptors onto Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.7 Assemble Fluorinert Cooling Skid for RR Abort Kicker Sys	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.8 Beam Abort Kicker LV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.9 Beam Abort Kicker HV Testing in PS-4 or MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.1 Beam Abort Kicker Prep Req & Award PO for Parts for 1 Puls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.2 Beam Abort Kicker Receive Parts for 1 Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.3 Beam Abort Kicker Assemble 1 HV Pulser (Incl Controls)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.4 Beam Abort Kicker Wind Cables on 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.5 Beam Abort Kicker Wind Cables on 2 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.6 Beam Abort Kicker Install 12 PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.7 Beam Abort Kicker Install 2 Spare PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.1 FY09 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.2 FY10 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.3 FY11-FY12 Oversight of TD Magnet Construction - Recycler K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.1 Procure BPM Cables/Connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.2 Procure BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.3 Test BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.4 Recycler Instrumentation - Install Cables & Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.1 Prepare requisition and PO for drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.2 Receive drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.3 Assemble and test drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.4 Finalize detector core and winding configuration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.1 Design vacuum assembly, shield, and stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.2 Procure parts for detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.3 Assemble detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.4 Prepare requisition and PO for magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.5 Receive magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.1 Procure printed circuit boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.2 Procure PCB parts and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.3 Procure VME crates and boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.4 Procure cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.1 Install cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.2 Install signal processing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.3 Install beamline hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.2 Recycler Instrumentation - Relocate Toroids to Injection L	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.3 Recycler Instrumentation - Relocate Toroids to Extraction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.1 Procure Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.2 Test Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.3 Recycler Instrumentation - Install Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.4 Final design for longitudinal kicker relocation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.2 Test Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.3 Recycler Instrumentation - Install Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.4 Transverse Dampers- prepare req and award PO for amplifi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.5 Transverse Dampers - vendor production and delivery of a	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.0.1.2.5.1.7 Beam Abort Kicker Receive Parts & Flourinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.8 Beam Abort Kicker PS Prep Req & Award PO for 12 PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.9 Beam Abort Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.11 Procure 1 beam tube for RR abort from TD inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.1 Beam Abort Kicker Assemble 2 Magnet Bodies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.11 Beam Abort Kicker Install & Checkout/Test Pulser into D	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.12 BA Abort Kicker Inst Mag, Cables & Fluor Piping in Tunn	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.2 Beam Abort Kicker Assemble 1 Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.3 RR Abort Select 3 Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.4 RR Abort Kicker Magnet Kovar Braze 3 Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.5 RR Abort Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.6 Beam Abort Kicker Attach 2 Cable Adaptors onto Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.7 Assemble Fluorinert Cooling Skid for RR Abort Kicker Sys	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.8 Beam Abort Kicker LV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.9 Beam Abort Kicker HV Testing in PS-4 or MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.1 Beam Abort Kicker Prep Req & Award PO for Parts for 1 Puls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.2 Beam Abort Kicker Receive Parts for 1 Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.3 Beam Abort Kicker Assemble 1 HV Pulser (Incl Controls)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.4 Beam Abort Kicker Wind Cables on 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.5 Beam Abort Kicker Wind Cables on 2 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.6 Beam Abort Kicker Install 12 PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.7 Beam Abort Kicker Install 2 Spare PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.1 FY09 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.2 FY10 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.3 FY11-FY12 Oversight of TD Magnet Construction - Recycler K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.1 Procure BPM Cables/Connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.2 Procure BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.3 Test BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.4 Recycler Instrumentation - Install Cables & Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.1 Prepare requisition and PO for drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.2 Receive drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.3 Assemble and test drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.4 Finalize detector core and winding configuration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.1 Design vacuum assembly, shield, and stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.2 Procure parts for detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.3 Assemble detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.4 Prepare requisition and PO for magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.5 Receive magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.1 Procure printed circuit boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.2 Procure PCB parts and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.3 Procure VME crates and boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.4 Procure cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.1 Install cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.2 Install signal processing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.3 Install beamline hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.2 Recycler Instrumentation - Relocate Toroids to Injection L	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.3 Recycler Instrumentation - Relocate Toroids to Extraction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.1 Procure Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.2 Test Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.3 Recycler Instrumentation - Install Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.4 Final design for longitudinal kicker relocation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.2 Test Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.3 Recycler Instrumentation - Install Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.4 Transverse Dampers- prepare req and award PO for amplifi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.5 Transverse Dampers - vendor production and delivery of a	BCWS	0	0	0	0	0	0	0	0	0	0	0

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2.0.1.2.5.1.7 Beam Abort Kicker Receive Parts & Flourinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.8 Beam Abort Kicker PS Prep Req & Award PO for 12 PFL Fram	BCWS	0	0	2,951	2,415	0	0	0	0	0	0	0
2.0.1.2.5.1.9 Beam Abort Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	3,257	36,567	26,594	0	0	0	0	0
2.0.1.2.5.1.11 Procure 1 beam tube for RR abort from TD inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.1 Beam Abort Kicker Assemble 2 Magnet Bodies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.11 Beam Abort Kicker Install & Checkout/Test Pulser into D	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.12 BA Abort Kicker Inst Mag, Cables & Fluor Piping in Tunn	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.2 Beam Abort Kicker Assemble 1 Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.3 RR Abort Select 3 Ceramic Tubes & Cut to Length	BCWS	789	5,783	3,943	0	0	0	0	0	0	0	0
2.0.1.2.5.2.4 RR Abort Kicker Magnet Kovar Braze 3 Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.5 RR Abort Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.6 Beam Abort Kicker Attach 2 Cable Adaptors onto Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.7 Assemble Fluorinert Cooling Skid for RR Abort Kicker Sys	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.8 Beam Abort Kicker LV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.9 Beam Abort Kicker HV Testing in PS-4 or MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.1 Beam Abort Kicker Prep Req & Award PO for Parts for 1 Puls	BCWS	0	9,920	8,975	0	0	0	0	0	0	0	0
2.0.1.2.6.2 Beam Abort Kicker Receive Parts for 1 Pulser	BCWS	0	0	34,249	194,080	0	0	0	0	0	0	0
2.0.1.2.6.3 Beam Abort Kicker Assemble 1 HV Pulser (Incl Controls)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.4 Beam Abort Kicker Wind Cables on 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.5 Beam Abort Kicker Wind Cables on 2 Spare PFL Frames	BCWS	0	0	0	3,625	0	0	0	0	0	0	0
2.0.1.2.6.6 Beam Abort Kicker Install 12 PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.7 Beam Abort Kicker Install 2 Spare PFL Frames in MI-39 Bldg	BCWS	0	0	0	1,252	1,362	0	0	0	0	0	0
2.0.1.2.7.1 FY09 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	2,347	2,582	2,582	2,347	2,795	2,795	2,668	2,668	0	0	0
2.0.1.2.7.2 FY10 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	2,158	1,864	1,962
2.0.1.2.7.3 FY11-FY12 Oversight of TD Magnet Construction - Recycler K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.1 Procure BPM Cables/Connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.2 Procure BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.3 Test BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.4 Recycler Instrumentation - Install Cables & Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.1 Prepare requisition and PO for drive cores	BCWS	0	0	0	1,860	0	0	0	0	0	0	0
2.0.1.3.2.1.3.2 Receive drive cores	BCWS	0	0	0	1,427	2,616	119	0	0	0	0	0
2.0.1.3.2.1.3.3 Assemble and test drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.4 Finalize detector core and winding configuration	BCWS	0	0	0	0	0	0	0	0	6,096	871	0
2.0.1.3.2.1.4.1 Design vacuum assembly, shield, and stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.2 Procure parts for detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.3 Assemble detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.4 Prepare requisition and PO for magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.5 Receive magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.1 Procure printed circuit boards	BCWS	0	0	0	0	0	0	0	0	0	2,332	2,915
2.0.1.3.2.1.5.2 Procure PCB parts and connectors	BCWS	0	0	0	0	0	0	0	0	0	930	1,163
2.0.1.3.2.1.5.3 Procure VME crates and boards	BCWS	0	0	0	0	0	0	0	0	0	7,004	8,755
2.0.1.3.2.1.5.4 Procure cables	BCWS	0	0	0	0	0	0	0	0	0	2,799	3,499
2.0.1.3.2.1.6.1 Install cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.2 Install signal processing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.3 Install beamline hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.2 Recycler Instrumentation - Relocate Toroids to Injection L	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.3 Recycler Instrumentation - Relocate Toroids to Extraction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.1 Procure Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.2 Test Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.3 Recycler Instrumentation - Install Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.4 Final design for longitudinal kicker relocation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.2 Test Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.3 Recycler Instrumentation - Install Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.4 Transverse Dampers- prepare req and award PO for amplifi	BCWS	0	0	0	0	0	0	0	252	0	0	0
2.0.1.3.3.2.5 Transverse Dampers - vendor production and delivery of a	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.0.1.2.5.1.7 Beam Abort Kicker Receive Parts & Flourinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.8 Beam Abort Kicker PS Prep Req & Award PO for 12 PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.9 Beam Abort Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	-66,417	0	0	0	0	17,716
2.0.1.2.5.1.11 Procure 1 beam tube for RR abort from TD inventory	BCWS	0	0	0	0	0	0	0	3,656	0	0	0
2.0.1.2.5.2.1 Beam Abort Kicker Assemble 2 Magnet Bodies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.11 Beam Abort Kicker Install & Checkout/Test Pulser into D	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.12 BA Abort Kicker Inst Mag, Cables & Fluor Piping in Tunn	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.2 Beam Abort Kicker Assemble 1 Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.3 RR Abort Select 3 Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.4 RR Abort Kicker Magnet Kovar Braze 3 Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	901	9,664	9,203
2.0.1.2.5.2.5 RR Abort Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.6 Beam Abort Kicker Attach 2 Cable Adaptors onto Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.7 Assemble Fluorinert Cooling Skid for RR Abort Kicker Sys	BCWS	0	0	19,439	53,457	24,298	0	0	0	0	0	0
2.0.1.2.5.2.8 Beam Abort Kicker LV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.9 Beam Abort Kicker HV Testing in PS-4 or MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.1 Beam Abort Kicker Prep Req & Award PO for Parts for 1 Puls	BCWS	0	0	0	0	-18,897	0	0	0	0	0	0
2.0.1.2.6.2 Beam Abort Kicker Receive Parts for 1 Pulser	BCWS	0	0	0	0	-228,328	0	0	0	0	0	0
2.0.1.2.6.3 Beam Abort Kicker Assemble 1 HV Pulser (Incl Controls)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.4 Beam Abort Kicker Wind Cables on 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.5 Beam Abort Kicker Wind Cables on 2 Spare PFL Frames	BCWS	0	0	0	0	0	-3,627	0	0	0	0	0
2.0.1.2.6.6 Beam Abort Kicker Install 12 PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.7 Beam Abort Kicker Install 2 Spare PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	-2,614	0	0	0	0	0
2.0.1.2.7.1 FY09 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.2 FY10 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	1,864	1,962	2,256	2,158	1,962	2,158	2,060	2,158	2,060	0	0
2.0.1.2.7.3 FY11-FY12 Oversight of TD Magnet Construction - Recycler K	BCWS	0	0	0	0	0	0	0	0	0	1,423	1,355
2.0.1.3.1.1 Procure BPM Cables/Connectors	BCWS	57,311	76,415	87,878	84,057	76,415	0	0	0	0	0	0
2.0.1.3.1.2 Procure BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.3 Test BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.4 Recycler Instrumentation - Install Cables & Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.1 Prepare requisition and PO for drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.2 Receive drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.3 Assemble and test drive cores	BCWS	13,238	4,180	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.4 Finalize detector core and winding configuration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.1 Design vacuum assembly, shield, and stand	BCWS	0	0	0	0	0	9,910	17,343	18,169	4,129	0	0
2.0.1.3.2.1.4.2 Procure parts for detector chassis	BCWS	0	0	0	0	0	0	0	0	8,309	2,147	0
2.0.1.3.2.1.4.3 Assemble detector chassis	BCWS	0	0	0	0	0	0	0	0	0	4,087	4,808
2.0.1.3.2.1.4.4 Prepare requisition and PO for magnetic shielding	BCWS	0	0	0	0	0	0	0	0	1,041	0	0
2.0.1.3.2.1.4.5 Receive magnetic shielding	BCWS	0	0	0	0	0	0	0	0	748	1,479	1,409
2.0.1.3.2.1.5.1 Procure printed circuit boards	BCWS	583	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.2 Procure PCB parts and connectors	BCWS	233	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.3 Procure VME crates and boards	BCWS	1,751	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.4 Procure cables	BCWS	700	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.1 Install cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.2 Install signal processing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.3 Install beamline hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.2 Recycler Instrumentation - Relocate Toroids to Injection L	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.3 Recycler Instrumentation - Relocate Toroids to Extraction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.1 Procure Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.2 Test Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.3 Recycler Instrumentation - Install Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.4 Final design for longitudinal kicker relocation	BCWS	0	1,235	1,420	1,358	1,235	1,358	1,296	1,358	1,296	1,371	1,305
2.0.1.3.3.2.2 Test Transverse Dampers	BCWS	0	2,013	5,369	0	0	0	0	0	0	0	0
2.0.1.3.3.2.3 Recycler Instrumentation - Install Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.4 Transverse Dampers- prepare req and award PO for amplifi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.5 Transverse Dampers - vendor production and delivery of a	BCWS	0	0	0	195,361	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.0.1.2.5.1.7 Beam Abort Kicker Receive Parts & Flourinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.8 Beam Abort Kicker PS Prep Req & Award PO for 12 PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.9 Beam Abort Kicker PS Receive 12 PFL Frames	BCWS	35,430	15,944	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.11 Procure 1 beam tube for RR abort from TD inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.1 Beam Abort Kicker Assemble 2 Magnet Bodies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.11 Beam Abort Kicker Install & Checkout/Test Pulser into D	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.12 BA Abort Kicker Inst Mag, Cables & Fluor Piping in Tunn	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.2 Beam Abort Kicker Assemble 1 Load	BCWS	0	0	0	0	0	25,726	6,431	0	0	0	0
2.0.1.2.5.2.3 RR Abort Select 3 Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.4 RR Abort Kicker Magnet Kovar Braze 3 Ceramic Beam Tubes	BCWS	9,203	8,743	9,203	10,584	9,664	9,664	10,124	9,203	4,602	0	0
2.0.1.2.5.2.5 RR Abort Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	17,282	0	0
2.0.1.2.5.2.6 Beam Abort Kicker Attach 2 Cable Adaptors onto Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.7 Assemble Fluorinert Cooling Skid for RR Abort Kicker Sys	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.8 Beam Abort Kicker LV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.9 Beam Abort Kicker HV Testing in PS-4 or MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.1 Beam Abort Kicker Prep Req & Award PO for Parts for 1 Puls	BCWS	0	10,717	11,281	0	0	0	0	0	0	0	0
2.0.1.2.6.2 Beam Abort Kicker Receive Parts for 1 Pulser	BCWS	0	0	40,255	75,466	123,893	0	0	0	0	0	0
2.0.1.2.6.3 Beam Abort Kicker Assemble 1 HV Pulser (Incl Controls)	BCWS	0	0	0	0	38,969	62,950	17,986	0	0	0	0
2.0.1.2.6.4 Beam Abort Kicker Wind Cables on 12 PFL Frames	BCWS	0	31,062	6,212	0	0	0	0	0	0	0	0
2.0.1.2.6.5 Beam Abort Kicker Wind Cables on 2 Spare PFL Frames	BCWS	0	4,156	0	0	0	0	0	0	0	0	0
2.0.1.2.6.6 Beam Abort Kicker Install 12 PFL Frames in MI-39 Bldg	BCWS	0	0	17,626	0	0	0	0	0	0	0	0
2.0.1.2.6.7 Beam Abort Kicker Install 2 Spare PFL Frames in MI-39 Bldg	BCWS	0	2,938	0	0	0	0	0	0	0	0	0
2.0.1.2.7.1 FY09 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.2 FY10 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.3 FY11-FY12 Oversight of TD Magnet Construction - Recycler K	BCWS	1,355	1,287	1,355	1,558	1,423	1,423	1,491	1,355	1,558	1,423	1,485
2.0.1.3.1.1 Procure BPM Cables/Connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.2 Procure BPM Transition Boards	BCWS	0	18,835	26,908	30,944	28,253	28,253	29,598	26,908	30,944	28,253	16,516
2.0.1.3.1.3 Test BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	13,754
2.0.1.3.1.4 Recycler Instrumentation - Install Cables & Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.1 Prepare requisition and PO for drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.2 Receive drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.3 Assemble and test drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.4 Finalize detector core and winding configuration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.1 Design vacuum assembly, shield, and stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.2 Procure parts for detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.3 Assemble detector chassis	BCWS	4,808	481	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.4 Prepare requisition and PO for magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.5 Receive magnetic shielding	BCWS	563	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.1 Procure printed circuit boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.2 Procure PCB parts and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.3 Procure VME crates and boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.4 Procure cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.1 Install cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.2 Install signal processing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.3 Install beamline hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.2 Recycler Instrumentation - Relocate Toroids to Injection L	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.3 Recycler Instrumentation - Relocate Toroids to Extraction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.1 Procure Longitudinal Dampers	BCWS	0	3,942	4,149	4,771	4,356	4,356	4,564	0	0	0	0
2.0.1.3.3.1.2 Test Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.3 Recycler Instrumentation - Install Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.4 Final design for longitudinal kicker relocation	BCWS	1,240	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.2 Test Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.3 Recycler Instrumentation - Install Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.4 Transverse Dampers- prepare req and award PO for amplifi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.5 Transverse Dampers - vendor production and delivery of a	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.0.1.2.5.1.7 Beam Abort Kicker Receive Parts & Flourinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.8 Beam Abort Kicker PS Prep Req & Award PO for 12 PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.9 Beam Abort Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.11 Procure 1 beam tube for RR abort from TD inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.1 Beam Abort Kicker Assemble 2 Magnet Bodies	BCWS	0	14,774	59,095	44,321	0	0	0	0	0	0	0
2.0.1.2.5.2.11 Beam Abort Kicker Install & Checkout/Test Pulser into D	BCWS	0	0	0	0	0	0	13,607	0	0	0	0
2.0.1.2.5.2.12 BA Abort Kicker Inst Mag, Cables & Fluor Piping in Tunn	BCWS	0	0	0	0	0	0	0	0	0	0	73,759
2.0.1.2.5.2.2 Beam Abort Kicker Assemble 1 Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.3 RR Abort Select 3 Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.4 RR Abort Kicker Magnet Kovar Braze 3 Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.5 RR Abort Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.6 Beam Abort Kicker Attach 2 Cable Adaptors onto Magnet	BCWS	0	0	0	16,241	0	0	0	0	0	0	0
2.0.1.2.5.2.7 Assemble Fluorinert Cooling Skid for RR Abort Kicker Sys	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.8 Beam Abort Kicker LV Testing	BCWS	0	0	0	42,076	2,004	0	0	0	0	0	0
2.0.1.2.5.2.9 Beam Abort Kicker HV Testing in PS-4 or MI-39	BCWS	0	0	0	0	22,258	0	0	0	0	0	0
2.0.1.2.6.1 Beam Abort Kicker Prep Req & Award PO for Parts for 1 Puls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.2 Beam Abort Kicker Receive Parts for 1 Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.3 Beam Abort Kicker Assemble 1 HV Pulser (Incl Controls)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.4 Beam Abort Kicker Wind Cables on 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.5 Beam Abort Kicker Wind Cables on 2 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.6 Beam Abort Kicker Install 12 PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.7 Beam Abort Kicker Install 2 Spare PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.1 FY09 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.2 FY10 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.3 FY11-FY12 Oversight of TD Magnet Construction - Recycler K	BCWS	1,415	1,344	1,415	1,485	1,556	1,485	566	0	0	0	0
2.0.1.3.1.1 Procure BPM Cables/Connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.2 Procure BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.3 Test BPM Transition Boards	BCWS	30,565	29,036	21,395	0	0	0	0	0	0	0	0
2.0.1.3.1.4 Recycler Instrumentation - Install Cables & Boards	BCWS	0	0	89,143	282,287	0	0	0	0	0	0	0
2.0.1.3.2.1.3.1 Prepare requisition and PO for drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.2 Receive drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.3 Assemble and test drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.4 Finalize detector core and winding configuration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.1 Design vacuum assembly, shield, and stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.2 Procure parts for detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.3 Assemble detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.4 Prepare requisition and PO for magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.5 Receive magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.1 Procure printed circuit boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.2 Procure PCB parts and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.3 Procure VME crates and boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.4 Procure cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.1 Install cables	BCWS	0	1,712	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.2 Install signal processing hardware	BCWS	0	3,821	3,821	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.3 Install beamline hardware	BCWS	0	0	6,003	0	0	0	0	0	0	0	0
2.0.1.3.2.2 Recycler Instrumentation - Relocate Toroids to Injection L	BCWS	0	0	0	0	0	0	0	0	0	0	5,691
2.0.1.3.2.3 Recycler Instrumentation - Relocate Toroids to Extraction	BCWS	0	0	0	0	0	0	0	0	0	2,846	2,846
2.0.1.3.3.1.1 Procure Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.2 Test Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.3 Recycler Instrumentation - Install Longitudinal Dampers	BCWS	0	9,924	19,847	0	0	0	0	0	0	0	0
2.0.1.3.3.1.4 Final design for longitudinal kicker relocation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.2 Test Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.3 Recycler Instrumentation - Install Transverse Dampers	BCWS	0	1,910	764	0	0	0	0	0	0	0	0
2.0.1.3.3.2.4 Transverse Dampers- prepare req and award PO for amplifi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.5 Transverse Dampers - vendor production and delivery of a	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.0.1.2.5.1.7 Beam Abort Kicker Receive Parts & Flourinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.8 Beam Abort Kicker PS Prep Req & Award PO for 12 PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.9 Beam Abort Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.11 Procure 1 beam tube for RR abort from TD inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.1 Beam Abort Kicker Assemble 2 Magnet Bodies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.11 Beam Abort Kicker Install & Checkout/Test Pulser into D	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.12 BA Abort Kicker Inst Mag, Cables & Fluor Piping in Tunn	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.2 Beam Abort Kicker Assemble 1 Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.3 RR Abort Select 3 Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.4 RR Abort Kicker Magnet Kovar Braze 3 Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.5 RR Abort Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.6 Beam Abort Kicker Attach 2 Cable Adaptors onto Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.7 Assemble Fluorinert Cooling Skid for RR Abort Kicker Sys	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.8 Beam Abort Kicker LV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.9 Beam Abort Kicker HV Testing in PS-4 or MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.1 Beam Abort Kicker Prep Req & Award PO for Parts for 1 Puls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.2 Beam Abort Kicker Receive Parts for 1 Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.3 Beam Abort Kicker Assemble 1 HV Pulser (Incl Controls)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.4 Beam Abort Kicker Wind Cables on 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.5 Beam Abort Kicker Wind Cables on 2 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.6 Beam Abort Kicker Install 12 PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.7 Beam Abort Kicker Install 2 Spare PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.1 FY09 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.2 FY10 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.3 FY11-FY12 Oversight of TD Magnet Construction - Recycler K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.1 Procure BPM Cables/Connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.2 Procure BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.3 Test BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.4 Recycler Instrumentation - Install Cables & Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.1 Prepare requisition and PO for drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.2 Receive drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.3 Assemble and test drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.4 Finalize detector core and winding configuration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.1 Design vacuum assembly, shield, and stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.2 Procure parts for detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.3 Assemble detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.4 Prepare requisition and PO for magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.5 Receive magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.1 Procure printed circuit boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.2 Procure PCB parts and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.3 Procure VME crates and boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.4 Procure cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.1 Install cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.2 Install signal processing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.3 Install beamline hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.2 Recycler Instrumentation - Relocate Toroids to Injection L	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.3 Recycler Instrumentation - Relocate Toroids to Extraction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.1 Procure Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.2 Test Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.3 Recycler Instrumentation - Install Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.4 Final design for longitudinal kicker relocation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.2 Test Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.3 Recycler Instrumentation - Install Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.4 Transverse Dampers- prepare req and award PO for amplifi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.5 Transverse Dampers - vendor production and delivery of a	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.0.1.2.5.1.7 Beam Abort Kicker Receive Parts & Flourinert for Cooling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.8 Beam Abort Kicker PS Prep Req & Award PO for 12 PFL Fram	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.9 Beam Abort Kicker PS Receive 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.1.11 Procure 1 beam tube for RR abort from TD inventory	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.1 Beam Abort Kicker Assemble 2 Magnet Bodies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.11 Beam Abort Kicker Install & Checkout/Test Pulser into D	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.12 BA Abort Kicker Inst Mag, Cables & Fluor Piping in Tunn	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.2 Beam Abort Kicker Assemble 1 Load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.3 RR Abort Select 3 Ceramic Tubes & Cut to Length	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.4 RR Abort Kicker Magnet Kovar Braze 3 Ceramic Beam Tubes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.5 RR Abort Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.6 Beam Abort Kicker Attach 2 Cable Adaptors onto Magnet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.7 Assemble Fluorinert Cooling Skid for RR Abort Kicker Sys	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.8 Beam Abort Kicker LV Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.5.2.9 Beam Abort Kicker HV Testing in PS-4 or MI-39	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.1 Beam Abort Kicker Prep Req & Award PO for Parts for 1 Puls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.2 Beam Abort Kicker Receive Parts for 1 Pulser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.3 Beam Abort Kicker Assemble 1 HV Pulser (Incl Controls)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.4 Beam Abort Kicker Wind Cables on 12 PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.5 Beam Abort Kicker Wind Cables on 2 Spare PFL Frames	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.6 Beam Abort Kicker Install 12 PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.6.7 Beam Abort Kicker Install 2 Spare PFL Frames in MI-39 Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.1 FY09 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.2 FY10 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.2.7.3 FY11-FY12 Oversight of TD Magnet Construction - Recycler K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.1 Procure BPM Cables/Connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.2 Procure BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.3 Test BPM Transition Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.1.4 Recycler Instrumentation - Install Cables & Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.1 Prepare requisition and PO for drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.2 Receive drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.3 Assemble and test drive cores	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.3.4 Finalize detector core and winding configuration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.1 Design vacuum assembly, shield, and stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.2 Procure parts for detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.3 Assemble detector chassis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.4 Prepare requisition and PO for magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.4.5 Receive magnetic shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.1 Procure printed circuit boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.2 Procure PCB parts and connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.3 Procure VME crates and boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.5.4 Procure cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.1 Install cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.2 Install signal processing hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.1.6.3 Install beamline hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.2 Recycler Instrumentation - Relocate Toroids to Injection L	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.2.3 Recycler Instrumentation - Relocate Toroids to Extraction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.1 Procure Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.2 Test Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.3 Recycler Instrumentation - Install Longitudinal Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.1.4 Final design for longitudinal kicker relocation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.2 Test Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.3 Recycler Instrumentation - Install Transverse Dampers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.4 Transverse Dampers- prepare req and award PO for amplifi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.1.3.3.2.5 Transverse Dampers - vendor production and delivery of a	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.0.1.2.5.1.7 Beam Abort Kicker Receive Parts & Flourinert for Cooling	BCWS	0	0	0
2.0.1.2.5.1.8 Beam Abort Kicker PS Prep Req & Award PO for 12 PFL Fram	BCWS	0	0	5,366
2.0.1.2.5.1.9 Beam Abort Kicker PS Receive 12 PFL Frames	BCWS	0	0	69,091
2.0.1.2.5.1.11 Procure 1 beam tube for RR abort from TD inventory	BCWS	0	0	3,656
2.0.1.2.5.2.1 Beam Abort Kicker Assemble 2 Magnet Bodies	BCWS	0	0	118,190
2.0.1.2.5.2.11 Beam Abort Kicker Install & Checkout/Test Pulser into D	BCWS	0	0	13,607
2.0.1.2.5.2.12 BA Abort Kicker Inst Mag, Cables & Fluor Piping in Tunn	BCWS	0	0	73,759
2.0.1.2.5.2.2 Beam Abort Kicker Assemble 1 Load	BCWS	0	0	32,157
2.0.1.2.5.2.3 RR Abort Select 3 Ceramic Tubes & Cut to Length	BCWS	0	0	10,514
2.0.1.2.5.2.4 RR Abort Kicker Magnet Kovar Braze 3 Ceramic Beam Tubes	BCWS	0	0	100,758
2.0.1.2.5.2.5 RR Abort Kicker Coat, Weld Flanges & Bellows	BCWS	0	0	17,282
2.0.1.2.5.2.6 Beam Abort Kicker Attach 2 Cable Adaptors onto Magnet	BCWS	0	0	16,241
2.0.1.2.5.2.7 Assemble Fluorinert Cooling Skid for RR Abort Kicker Sys	BCWS	0	0	97,194
2.0.1.2.5.2.8 Beam Abort Kicker LV Testing	BCWS	0	0	44,079
2.0.1.2.5.2.9 Beam Abort Kicker HV Testing in PS-4 or MI-39	BCWS	0	0	22,258
2.0.1.2.6.1 Beam Abort Kicker Prep Req & Award PO for Parts for 1 Puls	BCWS	0	0	21,997
2.0.1.2.6.2 Beam Abort Kicker Receive Parts for 1 Pulser	BCWS	0	0	239,615
2.0.1.2.6.3 Beam Abort Kicker Assemble 1 HV Pulser (Incl Controls)	BCWS	0	0	119,904
2.0.1.2.6.4 Beam Abort Kicker Wind Cables on 12 PFL Frames	BCWS	0	0	37,274
2.0.1.2.6.5 Beam Abort Kicker Wind Cables on 2 Spare PFL Frames	BCWS	0	0	4,154
2.0.1.2.6.6 Beam Abort Kicker Install 12 PFL Frames in MI-39 Bldg	BCWS	0	0	17,626
2.0.1.2.6.7 Beam Abort Kicker Install 2 Spare PFL Frames in MI-39 Bldg	BCWS	0	0	2,938
2.0.1.2.7.1 FY09 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	20,784
2.0.1.2.7.2 FY10 Oversight of TD Magnet Construction - Recycler Kicker	BCWS	0	0	24,625
2.0.1.2.7.3 FY11-FY12 Oversight of TD Magnet Construction - Recycler K	BCWS	0	0	27,757
2.0.1.3.1.1 Procure BPM Cables/Connectors	BCWS	0	0	382,077
2.0.1.3.1.2 Procure BPM Transition Boards	BCWS	0	0	265,412
2.0.1.3.1.3 Test BPM Transition Boards	BCWS	0	0	94,751
2.0.1.3.1.4 Recycler Instrumentation - Install Cables & Boards	BCWS	0	0	371,431
2.0.1.3.2.1.3.1 Prepare requisition and PO for drive cores	BCWS	0	0	1,860
2.0.1.3.2.1.3.2 Receive drive cores	BCWS	0	0	4,162
2.0.1.3.2.1.3.3 Assemble and test drive cores	BCWS	0	0	17,418
2.0.1.3.2.1.3.4 Finalize detector core and winding configuration	BCWS	0	0	6,967
2.0.1.3.2.1.4.1 Design vacuum assembly, shield, and stand	BCWS	0	0	49,551
2.0.1.3.2.1.4.2 Procure parts for detector chassis	BCWS	0	0	10,456
2.0.1.3.2.1.4.3 Assemble detector chassis	BCWS	0	0	14,185
2.0.1.3.2.1.4.4 Prepare requisition and PO for magnetic shielding	BCWS	0	0	1,041
2.0.1.3.2.1.4.5 Receive magnetic shielding	BCWS	0	0	4,199
2.0.1.3.2.1.5.1 Procure printed circuit boards	BCWS	0	0	5,830
2.0.1.3.2.1.5.2 Procure PCB parts and connectors	BCWS	0	0	2,326
2.0.1.3.2.1.5.3 Procure VME crates and boards	BCWS	0	0	17,511
2.0.1.3.2.1.5.4 Procure cables	BCWS	0	0	6,999
2.0.1.3.2.1.6.1 Install cables	BCWS	0	0	1,712
2.0.1.3.2.1.6.2 Install signal processing hardware	BCWS	0	0	7,641
2.0.1.3.2.1.6.3 Install beamline hardware	BCWS	0	0	6,003
2.0.1.3.2.2 Recycler Instrumentation - Relocate Toroids to Injection L	BCWS	0	0	5,691
2.0.1.3.2.3 Recycler Instrumentation - Relocate Toroids to Extraction	BCWS	0	0	5,691
2.0.1.3.3.1.1 Procure Longitudinal Dampers	BCWS	0	0	26,139
2.0.1.3.3.1.2 Test Longitudinal Dampers	BCWS	0	0	0
2.0.1.3.3.1.3 Recycler Instrumentation - Install Longitudinal Dampers	BCWS	0	0	29,771
2.0.1.3.3.1.4 Final design for longitudinal kicker relocation	BCWS	0	0	14,472
2.0.1.3.3.2.2 Test Transverse Dampers	BCWS	0	0	7,383
2.0.1.3.3.2.3 Recycler Instrumentation - Install Transverse Dampers	BCWS	0	0	2,674
2.0.1.3.3.2.4 Transverse Dampers- prepare req and award PO for amplifi	BCWS	0	0	252
2.0.1.3.3.2.5 Transverse Dampers - vendor production and delivery of a	BCWS	0	0	195,361

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.0.1.3.3.2.6 Electrical controls and infrastructure at MI-60	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.1 MI Mods Prep Req & Award PO for Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.2 MI Mods Vendor Fab & Receive Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.3 MI Mods Build New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.4 MI Mods Install New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.5 MI Mods Commission New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.1 MI-14 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.2 MI-14 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.3 MI-14 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.4 MI-14 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.5 MI-14 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.6 MI-14 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.1 MI-39 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.2 MI-39 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.3 MI-39 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.4 MI-39 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.5 MI-39 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.6 MI-39 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.1 MI RF Cavities Bus Bar Raw Material Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.2 MI RF Cavities Bus Bar Fab & Install (descoped)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.1 Prep Req & Award PO for Parts for Series Tube Modulato	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.2 Receive Parts for Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.3 Assemble Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.4 Electrical Testing of Completed Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.1 Prep Req & Award PO for Parts for MI RF Cavities Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.2 Receive Parts for MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.3 Assembly of MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.4 Electrical Testing of Completed MI RF Cavities Power A	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.1 MI RF Cavity Prep Req & Award PO for Parts for Control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.2 MI RF Cavity Receive Parts for Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.3 MI RF Cavity Assemble Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.4 MI RF Cavity Electrical Testing of Completed Control R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.1 Prep Req & Award PO for Parts for MIF RF Cavities Soli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.2 Receive Parts for MI RF Cavities Solid State Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.3 Assemble MI RF Cavities Solid State Amplifiers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.4 Electrical Testing of Completed MI RF Cavities Solid S	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.5 MI RF Cavities Software Programming	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.1 Prep Req & Award PO for Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.2 Receive Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.3 Assembly of Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.4 Electrical Testing of Completed Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.1 MI RF Cavities Cabling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.2 MI RF Move Cavities 4 & 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.3 MI RF Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.4 MI RF Align Cavities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.5 MI RF Cavities Final System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.1 Final Design RF Cavity & PS Connections	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.2 Procure Power Supply Piping, Hoses & Ftgs MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.3 Install Power Supply Connections MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.4 Procure Cavity Piping, Hoses & Ftgs Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.5 Install Cavity Connections Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.6 Test & Troubleshoot Cavity Cooling Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.1 Design for Charging PS Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.2 NuMI Extract Kicker Charging PS Upgrades Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.3 NuMI Extract Kicker Charging PS Upgrades Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.0.1.3.3.2.6 Electrical controls and infrastructure at MI-60	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.1 MI Mods Prep Req & Award PO for Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.2 MI Mods Vendor Fab & Receive Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.3 MI Mods Build New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.4 MI Mods Install New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.5 MI Mods Commission New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.1 MI-14 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.2 MI-14 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.3 MI-14 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.4 MI-14 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.5 MI-14 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.6 MI-14 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.1 MI-39 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.2 MI-39 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.3 MI-39 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.4 MI-39 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.5 MI-39 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.6 MI-39 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.1 MI RF Cavities Bus Bar Raw Material Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.2 MI RF Cavities Bus Bar Fab & Install (descoped)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.1 Prep Req & Award PO for Parts for Series Tube Modulato	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.2 Receive Parts for Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.3 Assemble Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.4 Electrical Testing of Completed Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.1 Prep Req & Award PO for Parts for MI RF Cavities Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.2 Receive Parts for MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.3 Assembly of MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.4 Electrical Testing of Completed MI RF Cavities Power A	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.1 MI RF Cavity Prep Req & Award PO for Parts for Control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.2 MI RF Cavity Receive Parts for Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.3 MI RF Cavity Assemble Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.4 MI RF Cavity Electrical Testing of Completed Control R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.1 Prep Req & Award PO for Parts for MIF RF Cavities Soli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.2 Receive Parts for MI RF Cavities Solid State Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.3 Assemble MI RF Cavities Solid State Amplifiers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.4 Electrical Testing of Completed MI RF Cavities Solid S	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.5 MI RF Cavities Software Programming	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.1 Prep Req & Award PO for Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.2 Receive Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.3 Assembly of Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.4 Electrical Testing of Completed Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.1 MI RF Cavities Cabling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.2 MI RF Move Cavities 4 & 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.3 MI RF Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.4 MI RF Align Cavities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.5 MI RF Cavities Final System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.1 Final Design RF Cavity & PS Connections	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.2 Procure Power Supply Piping, Hoses & Ftgs MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.3 Install Power Supply Connections MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.4 Procure Cavity Piping, Hoses & Ftgs Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.5 Install Cavity Connections Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.6 Test & Troubleshoot Cavity Cooling Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.1 Design for Charging PS Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.2 NuMI Extract Kicker Charging PS Upgrades Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.3 NuMI Extract Kicker Charging PS Upgrades Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.0.1.3.3.2.6 Electrical controls and infrastructure at MI-60	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.1 MI Mods Prep Req & Award PO for Transformer	BCWS	698	698	0	0	0	0	0	0	0	0	0
2.0.2.1.1.2 MI Mods Vendor Fab & Receive Transformer	BCWS	0	1,314	14,453	13,139	14,453	14,453	13,796	13,796	14,762	12,749	13,420
2.0.2.1.1.3 MI Mods Build New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.4 MI Mods Install New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.5 MI Mods Commission New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.1 MI-14 Prep Req & Submit PO for Equip Racks & Cable	BCWS	470	470	0	0	0	0	0	0	0	0	0
2.0.2.1.2.2 MI-14 Receive Equip Racks & Cable	BCWS	0	674	7,409	3,704	0	0	0	0	0	0	0
2.0.2.1.2.3 MI-14 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.4 MI-14 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.5 MI-14 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.6 MI-14 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.1 MI-39 Prep Req & Submit PO for Equip Racks & Cable	BCWS	470	470	0	0	0	0	0	0	0	0	0
2.0.2.1.3.2 MI-39 Receive Equip Racks & Cable	BCWS	0	674	7,409	3,704	0	0	0	0	0	0	0
2.0.2.1.3.3 MI-39 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.4 MI-39 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.5 MI-39 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.6 MI-39 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.1 MI RF Cavities Bus Bar Raw Material Procure	BCWS	6,681	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.2 MI RF Cavities Bus Bar Fab & Install (descoped)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.1 Prep Req & Award PO for Parts for Series Tube Modulato	BCWS	0	0	0	0	0	0	0	0	4,621	243	0
2.0.2.2.2.1.1.2 Receive Parts for Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	58,476	64,973
2.0.2.2.2.1.1.3 Assemble Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.4 Electrical Testing of Completed Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.1 Prep Req & Award PO for Parts for MI RF Cavities Power	BCWS	0	0	0	0	0	0	0	0	8,273	435	0
2.0.2.2.2.1.2.2 Receive Parts for MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	31,802	35,335
2.0.2.2.2.1.2.3 Assembly of MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.4 Electrical Testing of Completed MI RF Cavities Power A	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.1 MI RF Cavity Prep Req & Award PO for Parts for Control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.2 MI RF Cavity Receive Parts for Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.3 MI RF Cavity Assemble Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.4 MI RF Cavity Electrical Testing of Completed Control R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.1 Prep Req & Award PO for Parts for MIF RF Cavities Soli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.2 Receive Parts for MI RF Cavities Solid State Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.3 Assemble MI RF Cavities Solid State Amplifiers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.4 Electrical Testing of Completed MI RF Cavities Solid S	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.5 MI RF Cavities Software Programming	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.1 Prep Req & Award PO for Parts for Ferrite Bias Supply	BCWS	3,891	3,891	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.2 Receive Parts for Ferrite Bias Supply	BCWS	0	0	0	3,475	19,244	19,244	18,370	18,370	19,387	11,456	0
2.0.2.2.2.1.6.3 Assembly of Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.4 Electrical Testing of Completed Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.1 MI RF Cavities Cabling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.2 MI RF Move Cavities 4 & 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.3 MI RF Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.4 MI RF Align Cavities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.5 MI RF Cavities Final System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.1 Final Design RF Cavity & PS Connections	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.2 Procure Power Supply Piping, Hoses & Ftgs MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.3 Install Power Supply Connections MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.4 Procure Cavity Piping, Hoses & Ftgs Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.5 Install Cavity Connections Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.6 Test & Troubleshoot Cavity Cooling Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.1 Design for Charging PS Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.2 NuMI Extract Kicker Charging PS Upgrades Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.3 NuMI Extract Kicker Charging PS Upgrades Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.0.1.3.3.2.6 Electrical controls and infrastructure at MI-60	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.1 MI Mods Prep Req & Award PO for Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.2 MI Mods Vendor Fab & Receive Transformer	BCWS	12,749	11,407	0	0	0	0	0	0	0	0	0
2.0.2.1.1.3 MI Mods Build New Power Supply Components	BCWS	0	1,969	5,250	0	0	0	0	0	0	0	0
2.0.2.1.1.4 MI Mods Install New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.5 MI Mods Commission New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.1 MI-14 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.2 MI-14 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.3 MI-14 Install Equip Racks & Connect Electrical Power	BCWS	0	8,922	0	0	0	0	0	0	0	0	0
2.0.2.1.2.4 MI-14 Pull & Terminate Communications Cables	BCWS	0	8,600	0	0	0	0	0	0	0	0	0
2.0.2.1.2.5 MI-14 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.6 MI-14 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.1 MI-39 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.2 MI-39 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.3 MI-39 Install Equip Racks & Connect Electrical Power	BCWS	0	8,922	0	0	0	0	0	0	0	0	0
2.0.2.1.3.4 MI-39 Pull & Terminate Communications Cables	BCWS	0	8,600	0	0	0	0	0	0	0	0	0
2.0.2.1.3.5 MI-39 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.6 MI-39 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.1 MI RF Cavities Bus Bar Raw Material Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.2 MI RF Cavities Bus Bar Fab & Install (descoped)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.1 Prep Req & Award PO for Parts for Series Tube Modulato	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.2 Receive Parts for Series Tube Modulators	BCWS	61,725	64,973	9,746	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.3 Assemble Series Tube Modulators	BCWS	0	0	0	0	20,214	44,472	42,450	14,150	0	0	0
2.0.2.2.2.1.1.4 Electrical Testing of Completed Series Tube Modulators	BCWS	0	0	0	0	0	0	0	2,443	0	0	0
2.0.2.2.2.1.2.1 Prep Req & Award PO for Parts for MI RF Cavities Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.2 Receive Parts for MI RF Cavities Power Amplifier	BCWS	33,568	35,335	5,300	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.3 Assembly of MI RF Cavities Power Amplifier	BCWS	0	0	0	0	22,414	32,874	4,483	0	0	0	0
2.0.2.2.2.1.2.4 Electrical Testing of Completed MI RF Cavities Power A	BCWS	0	0	0	0	0	0	2,443	0	0	0	0
2.0.2.2.2.1.3.1 MI RF Cavity Prep Req & Award PO for Parts for Control	BCWS	0	0	0	0	0	0	0	0	0	0	3,999
2.0.2.2.2.1.3.2 MI RF Cavity Receive Parts for Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.3 MI RF Cavity Assemble Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.4 MI RF Cavity Electrical Testing of Completed Control R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.1 Prep Req & Award PO for Parts for MIF RF Cavities Soli	BCWS	0	0	0	0	0	0	0	0	0	0	5,060
2.0.2.2.2.1.4.2 Receive Parts for MI RF Cavities Solid State Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.3 Assemble MI RF Cavities Solid State Amplifiers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.4 Electrical Testing of Completed MI RF Cavities Solid S	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.5 MI RF Cavities Software Programming	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.1 Prep Req & Award PO for Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.2 Receive Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.3 Assembly of Ferrite Bias Supply	BCWS	0	0	0	31,672	31,672	34,839	33,255	34,839	31,672	0	0
2.0.2.2.2.1.6.4 Electrical Testing of Completed Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	244	2,287	0
2.0.2.2.3.1 MI RF Cavities Cabling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.2 MI RF Move Cavities 4 & 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.3 MI RF Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.4 MI RF Align Cavities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.5 MI RF Cavities Final System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.1 Final Design RF Cavity & PS Connections	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.2 Procure Power Supply Piping, Hoses & Ftgs MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.3 Install Power Supply Connections MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.4 Procure Cavity Piping, Hoses & Ftgs Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.5 Install Cavity Connections Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.6 Test & Troubleshoot Cavity Cooling Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.1 Design for Charging PS Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.2 NuMI Extract Kicker Charging PS Upgrades Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.3 NuMI Extract Kicker Charging PS Upgrades Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.0.1.3.3.2.6 Electrical controls and infrastructure at MI-60	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.1 MI Mods Prep Req & Award PO for Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.2 MI Mods Vendor Fab & Receive Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.3 MI Mods Build New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.4 MI Mods Install New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.5 MI Mods Commission New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.1 MI-14 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.2 MI-14 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.3 MI-14 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.4 MI-14 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.5 MI-14 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.6 MI-14 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.1 MI-39 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.2 MI-39 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.3 MI-39 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.4 MI-39 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.5 MI-39 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.6 MI-39 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.1 MI RF Cavities Bus Bar Raw Material Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.2 MI RF Cavities Bus Bar Fab & Install (descoped)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.1 Prep Req & Award PO for Parts for Series Tube Modulato	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.2 Receive Parts for Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.3 Assemble Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.4 Electrical Testing of Completed Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.1 Prep Req & Award PO for Parts for MI RF Cavities Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.2 Receive Parts for MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.3 Assembly of MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.4 Electrical Testing of Completed MI RF Cavities Power A	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.1 MI RF Cavity Prep Req & Award PO for Parts for Control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.2 MI RF Cavity Receive Parts for Control Rack	BCWS	0	0	0	14,978	13,676	13,676	9,768	0	0	0	0
2.0.2.2.2.1.3.3 MI RF Cavity Assemble Control Rack	BCWS	0	0	0	0	0	0	6,206	17,730	11,525	0	0
2.0.2.2.2.1.3.4 MI RF Cavity Electrical Testing of Completed Control R	BCWS	0	0	0	0	0	0	0	0	2,541	0	0
2.0.2.2.2.1.4.1 Prep Req & Award PO for Parts for MIF RF Cavities Soli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.2 Receive Parts for MI RF Cavities Solid State Amplifier	BCWS	0	0	0	7,738	7,065	7,065	5,046	0	0	0	0
2.0.2.2.2.1.4.3 Assemble MI RF Cavities Solid State Amplifiers	BCWS	0	0	0	0	0	0	7,609	21,739	25,000	0	0
2.0.2.2.2.1.4.4 Electrical Testing of Completed MI RF Cavities Solid S	BCWS	0	0	0	0	0	0	0	0	0	2,541	0
2.0.2.2.2.1.5 MI RF Cavities Software Programming	BCWS	0	11,540	12,148	13,970	12,755	12,755	12,148	0	0	0	0
2.0.2.2.2.1.6.1 Prep Req & Award PO for Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.2 Receive Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.3 Assembly of Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.4 Electrical Testing of Completed Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.1 MI RF Cavities Cabling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.2 MI RF Move Cavities 4 & 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.3 MI RF Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.4 MI RF Align Cavities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.5 MI RF Cavities Final System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.1 Final Design RF Cavity & PS Connections	BCWS	0	0	0	0	0	0	3,703	3,350	0	0	0
2.0.2.2.4.2 Procure Power Supply Piping, Hoses & Ftgs MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	479	1,117	1,166
2.0.2.2.4.3 Install Power Supply Connections MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.4 Procure Cavity Piping, Hoses & Ftgs Q600 Area	BCWS	0	0	0	0	0	0	0	0	479	1,117	1,166
2.0.2.2.4.5 Install Cavity Connections Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.6 Test & Troubleshoot Cavity Cooling Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.1 Design for Charging PS Upgrades	BCWS	0	0	0	0	0	0	0	0	0	21,633	1,193
2.0.3.1.1.1.2 NuMI Extract Kicker Charging PS Upgrades Procure	BCWS	0	0	0	0	0	0	0	0	0	0	11,276
2.0.3.1.1.1.3 NuMI Extract Kicker Charging PS Upgrades Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.0.1.3.3.2.6 Electrical controls and infrastructure at MI-60	BCWS	0	38,707	0	0	0	0	0	0	0	0	0
2.0.2.1.1.1 MI Mods Prep Req & Award PO for Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.2 MI Mods Vendor Fab & Receive Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.3 MI Mods Build New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.4 MI Mods Install New Power Supply Components	BCWS	0	3,821	4,585	0	0	0	0	0	0	0	0
2.0.2.1.1.5 MI Mods Commission New Power Supply Components	BCWS	0	0	5,151	7,726	1,472	0	0	0	0	0	0
2.0.2.1.2.1 MI-14 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.2 MI-14 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.3 MI-14 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.4 MI-14 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.5 MI-14 Recover, Build & Test Controls Hardware	BCWS	0	14,437	43,310	0	0	0	0	0	0	0	0
2.0.2.1.2.6 MI-14 Install & Test Controls Hardware	BCWS	0	0	0	0	13,283	0	0	0	0	0	0
2.0.2.1.3.1 MI-39 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.2 MI-39 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.3 MI-39 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.4 MI-39 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.5 MI-39 Recover, Build & Test Controls Hardware	BCWS	0	14,437	43,310	0	0	0	0	0	0	0	0
2.0.2.1.3.6 MI-39 Install & Test Controls Hardware	BCWS	0	0	0	0	13,283	0	0	0	0	0	0
2.0.2.2.1.1 MI RF Cavities Bus Bar Raw Material Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.2 MI RF Cavities Bus Bar Fab & Install (descoped)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.1 Prep Req & Award PO for Parts for Series Tube Modulato	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.2 Receive Parts for Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.3 Assemble Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.4 Electrical Testing of Completed Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.1 Prep Req & Award PO for Parts for MI RF Cavities Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.2 Receive Parts for MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.3 Assembly of MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.4 Electrical Testing of Completed MI RF Cavities Power A	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.1 MI RF Cavity Prep Req & Award PO for Parts for Control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.2 MI RF Cavity Receive Parts for Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.3 MI RF Cavity Assemble Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.4 MI RF Cavity Electrical Testing of Completed Control R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.1 Prep Req & Award PO for Parts for MIF RF Cavities Soli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.2 Receive Parts for MI RF Cavities Solid State Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.3 Assemble MI RF Cavities Solid State Amplifiers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.4 Electrical Testing of Completed MI RF Cavities Solid S	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.5 MI RF Cavities Software Programming	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.1 Prep Req & Award PO for Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.2 Receive Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.3 Assembly of Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.4 Electrical Testing of Completed Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.1 MI RF Cavities Cabling	BCWS	0	11,002	71,513	0	0	0	0	0	0	0	0
2.0.2.2.3.2 MI RF Move Cavities 4 & 15	BCWS	0	13,633	0	0	0	0	0	0	0	0	0
2.0.2.2.3.3 MI RF Install	BCWS	0	0	13,449	1,921	0	0	0	0	0	0	0
2.0.2.2.3.4 MI RF Align Cavities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.5 MI RF Cavities Final System Test	BCWS	0	0	0	15,145	0	0	0	0	0	0	0
2.0.2.2.4.1 Final Design RF Cavity & PS Connections	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.2 Procure Power Supply Piping, Hoses & Ftgs MI-60 Gallery	BCWS	1,111	1,055	1,111	1,166	1,222	389	0	0	0	0	0
2.0.2.2.4.3 Install Power Supply Connections MI-60 Gallery	BCWS	0	0	0	0	0	18,648	0	0	0	0	0
2.0.2.2.4.4 Procure Cavity Piping, Hoses & Ftgs Q600 Area	BCWS	1,111	1,055	1,111	1,166	1,222	389	0	0	0	0	0
2.0.2.2.4.5 Install Cavity Connections Q600 Area	BCWS	0	0	0	0	0	18,648	0	0	0	0	0
2.0.2.2.4.6 Test & Troubleshoot Cavity Cooling Systems	BCWS	0	0	0	0	0	7,400	0	0	0	0	0
2.0.3.1.1.1.1 Design for Charging PS Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.2 NuMI Extract Kicker Charging PS Upgrades Procure	BCWS	11,276	10,712	11,276	11,840	11,276	0	0	0	0	0	0
2.0.3.1.1.1.3 NuMI Extract Kicker Charging PS Upgrades Installation	BCWS	0	0	0	0	3,737	39,242	13,081	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.0.1.3.3.2.6 Electrical controls and infrastructure at MI-60	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.1 MI Mods Prep Req & Award PO for Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.2 MI Mods Vendor Fab & Receive Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.3 MI Mods Build New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.4 MI Mods Install New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.5 MI Mods Commission New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.1 MI-14 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.2 MI-14 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.3 MI-14 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.4 MI-14 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.5 MI-14 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.6 MI-14 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.1 MI-39 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.2 MI-39 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.3 MI-39 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.4 MI-39 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.5 MI-39 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.6 MI-39 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.1 MI RF Cavities Bus Bar Raw Material Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.2 MI RF Cavities Bus Bar Fab & Install (descoped)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.1 Prep Req & Award PO for Parts for Series Tube Modulato	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.2 Receive Parts for Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.3 Assemble Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.4 Electrical Testing of Completed Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.1 Prep Req & Award PO for Parts for MI RF Cavities Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.2 Receive Parts for MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.3 Assembly of MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.4 Electrical Testing of Completed MI RF Cavities Power A	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.1 MI RF Cavity Prep Req & Award PO for Parts for Control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.2 MI RF Cavity Receive Parts for Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.3 MI RF Cavity Assemble Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.4 MI RF Cavity Electrical Testing of Completed Control R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.1 Prep Req & Award PO for Parts for MIF RF Cavities Soli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.2 Receive Parts for MI RF Cavities Solid State Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.3 Assemble MI RF Cavities Solid State Amplifiers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.4 Electrical Testing of Completed MI RF Cavities Solid S	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.5 MI RF Cavities Software Programming	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.1 Prep Req & Award PO for Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.2 Receive Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.3 Assembly of Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.4 Electrical Testing of Completed Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.1 MI RF Cavities Cabling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.2 MI RF Move Cavities 4 & 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.3 MI RF Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.4 MI RF Align Cavities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.5 MI RF Cavities Final System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.1 Final Design RF Cavity & PS Connections	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.2 Procure Power Supply Piping, Hoses & Ftgs MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.3 Install Power Supply Connections MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.4 Procure Cavity Piping, Hoses & Ftgs Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.5 Install Cavity Connections Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.6 Test & Troubleshoot Cavity Cooling Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.1 Design for Charging PS Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.2 NuMI Extract Kicker Charging PS Upgrades Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.3 NuMI Extract Kicker Charging PS Upgrades Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.0.1.3.3.2.6 Electrical controls and infrastructure at MI-60	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.1 MI Mods Prep Req & Award PO for Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.2 MI Mods Vendor Fab & Receive Transformer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.3 MI Mods Build New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.4 MI Mods Install New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.1.5 MI Mods Commission New Power Supply Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.1 MI-14 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.2 MI-14 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.3 MI-14 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.4 MI-14 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.5 MI-14 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.2.6 MI-14 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.1 MI-39 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.2 MI-39 Receive Equip Racks & Cable	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.3 MI-39 Install Equip Racks & Connect Electrical Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.4 MI-39 Pull & Terminate Communications Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.5 MI-39 Recover, Build & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.1.3.6 MI-39 Install & Test Controls Hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.1 MI RF Cavities Bus Bar Raw Material Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.1.2 MI RF Cavities Bus Bar Fab & Install (descoped)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.1 Prep Req & Award PO for Parts for Series Tube Modulato	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.2 Receive Parts for Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.3 Assemble Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.1.4 Electrical Testing of Completed Series Tube Modulators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.1 Prep Req & Award PO for Parts for MI RF Cavities Power	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.2 Receive Parts for MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.3 Assembly of MI RF Cavities Power Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.2.4 Electrical Testing of Completed MI RF Cavities Power A	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.1 MI RF Cavity Prep Req & Award PO for Parts for Control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.2 MI RF Cavity Receive Parts for Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.3 MI RF Cavity Assemble Control Rack	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.3.4 MI RF Cavity Electrical Testing of Completed Control R	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.1 Prep Req & Award PO for Parts for MIF RF Cavities Soli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.2 Receive Parts for MI RF Cavities Solid State Amplifier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.3 Assemble MI RF Cavities Solid State Amplifiers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.4.4 Electrical Testing of Completed MI RF Cavities Solid S	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.5 MI RF Cavities Software Programming	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.1 Prep Req & Award PO for Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.2 Receive Parts for Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.3 Assembly of Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.2.1.6.4 Electrical Testing of Completed Ferrite Bias Supply	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.1 MI RF Cavities Cabling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.2 MI RF Move Cavities 4 & 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.3 MI RF Install	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.4 MI RF Align Cavities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.3.5 MI RF Cavities Final System Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.1 Final Design RF Cavity & PS Connections	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.2 Procure Power Supply Piping, Hoses & Ftgs MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.3 Install Power Supply Connections MI-60 Gallery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.4 Procure Cavity Piping, Hoses & Ftgs Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.5 Install Cavity Connections Q600 Area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.2.2.4.6 Test & Troubleshoot Cavity Cooling Systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.1 Design for Charging PS Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.2 NuMI Extract Kicker Charging PS Upgrades Procure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.1.3 NuMI Extract Kicker Charging PS Upgrades Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.0.1.3.3.2.6 Electrical controls and infrastructure at MI-60	BCWS	0	0	38,707
2.0.2.1.1.1 MI Mods Prep Req & Award PO for Transformer	BCWS	0	0	1,395
2.0.2.1.1.2 MI Mods Vendor Fab & Receive Transformer	BCWS	0	0	150,494
2.0.2.1.1.3 MI Mods Build New Power Supply Components	BCWS	0	0	7,219
2.0.2.1.1.4 MI Mods Install New Power Supply Components	BCWS	0	0	8,405
2.0.2.1.1.5 MI Mods Commission New Power Supply Components	BCWS	0	0	14,348
2.0.2.1.2.1 MI-14 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	939
2.0.2.1.2.2 MI-14 Receive Equip Racks & Cable	BCWS	0	0	11,787
2.0.2.1.2.3 MI-14 Install Equip Racks & Connect Electrical Power	BCWS	0	0	8,922
2.0.2.1.2.4 MI-14 Pull & Terminate Communications Cables	BCWS	0	0	8,600
2.0.2.1.2.5 MI-14 Recover, Build & Test Controls Hardware	BCWS	0	0	57,747
2.0.2.1.2.6 MI-14 Install & Test Controls Hardware	BCWS	0	0	13,283
2.0.2.1.3.1 MI-39 Prep Req & Submit PO for Equip Racks & Cable	BCWS	0	0	939
2.0.2.1.3.2 MI-39 Receive Equip Racks & Cable	BCWS	0	0	11,787
2.0.2.1.3.3 MI-39 Install Equip Racks & Connect Electrical Power	BCWS	0	0	8,922
2.0.2.1.3.4 MI-39 Pull & Terminate Communications Cables	BCWS	0	0	8,600
2.0.2.1.3.5 MI-39 Recover, Build & Test Controls Hardware	BCWS	0	0	57,747
2.0.2.1.3.6 MI-39 Install & Test Controls Hardware	BCWS	0	0	13,283
2.0.2.2.1.1 MI RF Cavities Bus Bar Raw Material Procure	BCWS	0	0	6,681
2.0.2.2.1.2 MI RF Cavities Bus Bar Fab & Install (descoped)	BCWS	0	0	0
2.0.2.2.2.1.1.1 Prep Req & Award PO for Parts for Series Tube Modulato	BCWS	0	0	4,865
2.0.2.2.2.1.1.2 Receive Parts for Series Tube Modulators	BCWS	0	0	259,894
2.0.2.2.2.1.1.3 Assemble Series Tube Modulators	BCWS	0	0	121,286
2.0.2.2.2.1.1.4 Electrical Testing of Completed Series Tube Modulators	BCWS	0	0	2,443
2.0.2.2.2.1.2.1 Prep Req & Award PO for Parts for MI RF Cavities Power	BCWS	0	0	8,709
2.0.2.2.2.1.2.2 Receive Parts for MI RF Cavities Power Amplifier	BCWS	0	0	141,341
2.0.2.2.2.1.2.3 Assembly of MI RF Cavities Power Amplifier	BCWS	0	0	59,772
2.0.2.2.2.1.2.4 Electrical Testing of Completed MI RF Cavities Power A	BCWS	0	0	2,443
2.0.2.2.2.1.3.1 MI RF Cavity Prep Req & Award PO for Parts for Control	BCWS	0	0	3,999
2.0.2.2.2.1.3.2 MI RF Cavity Receive Parts for Control Rack	BCWS	0	0	52,098
2.0.2.2.2.1.3.3 MI RF Cavity Assemble Control Rack	BCWS	0	0	35,461
2.0.2.2.2.1.3.4 MI RF Cavity Electrical Testing of Completed Control R	BCWS	0	0	2,541
2.0.2.2.2.1.4.1 Prep Req & Award PO for Parts for MIF RF Cavities Soli	BCWS	0	0	5,060
2.0.2.2.2.1.4.2 Receive Parts for MI RF Cavities Solid State Amplifier	BCWS	0	0	26,915
2.0.2.2.2.1.4.3 Assemble MI RF Cavities Solid State Amplifiers	BCWS	0	0	54,348
2.0.2.2.2.1.4.4 Electrical Testing of Completed MI RF Cavities Solid S	BCWS	0	0	2,541
2.0.2.2.2.1.5 MI RF Cavities Software Programming	BCWS	0	0	75,316
2.0.2.2.2.1.6.1 Prep Req & Award PO for Parts for Ferrite Bias Supply	BCWS	0	0	7,781
2.0.2.2.2.1.6.2 Receive Parts for Ferrite Bias Supply	BCWS	0	0	109,545
2.0.2.2.2.1.6.3 Assembly of Ferrite Bias Supply	BCWS	0	0	197,949
2.0.2.2.2.1.6.4 Electrical Testing of Completed Ferrite Bias Supply	BCWS	0	0	2,531
2.0.2.2.3.1 MI RF Cavities Cabling	BCWS	0	0	82,515
2.0.2.2.3.2 MI RF Move Cavities 4 & 15	BCWS	0	0	13,633
2.0.2.2.3.3 MI RF Install	BCWS	0	0	15,371
2.0.2.2.3.4 MI RF Align Cavities	BCWS	0	0	0
2.0.2.2.3.5 MI RF Cavities Final System Test	BCWS	0	0	15,145
2.0.2.2.4.1 Final Design RF Cavity & PS Connections	BCWS	0	0	7,054
2.0.2.2.4.2 Procure Power Supply Piping, Hoses & Ftgs MI-60 Gallery	BCWS	0	0	8,816
2.0.2.2.4.3 Install Power Supply Connections MI-60 Gallery	BCWS	0	0	18,648
2.0.2.2.4.4 Procure Cavity Piping, Hoses & Ftgs Q600 Area	BCWS	0	0	8,816
2.0.2.2.4.5 Install Cavity Connections Q600 Area	BCWS	0	0	18,648
2.0.2.2.4.6 Test & Troubleshoot Cavity Cooling Systems	BCWS	0	0	7,400
2.0.3.1.1.1.1 Design for Charging PS Upgrades	BCWS	0	0	22,826
2.0.3.1.1.1.2 NuMI Extract Kicker Charging PS Upgrades Procure	BCWS	0	0	67,654
2.0.3.1.1.1.3 NuMI Extract Kicker Charging PS Upgrades Installation	BCWS	0	0	56,060

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Run Date:	Status Date:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.0.3.1.1.1.4 NuMI Extract Kicker Charging PS Upgrades Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.1 Final Design Upgrade for Fluorinert to Water Heat Exchan	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.2 NuMI Extract Kicker Procure Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.3 NuMI Extract Kicker Install Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.1 NuMI Procure BuLB System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.2 NuMI Implement & Test (BuLB) Regulation Systs for 6 Major	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.3 NuMI PS Changes for Improved Cycle Time	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.1 Prep Req & Award PO for 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.10 3Q120 Quads Hook-up & Checkout/Test for 5 New PS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.11 3Q120 Quads Reconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.2 Vendor Fab & Receive 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.3 Fabricate Spang Regulation Units	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.4 Prep Req & Order 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.5 Receive 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.6 Install & Terminate 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.9 3Q120 Quads Install 5 Recovered Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.1 Iterate Profile Monitor Upgrade Final Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.13 Assembly of Foils on Ceramic Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.14 Assembly of Detectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.15 Modify Motion Control from DC to AC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.16 Vacuum Leak Check & Bake Out	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.17 Alignment Referencing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.18 NuMI Stub profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.19 Pretarget profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.20 NuMI Stub Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.21 Pretarget Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.22 NuMI Stub Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.23 Pretarget Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.24 NuMI Stub Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.25 Pretarget Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.3 Procure Parts for Profile Monitors Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.1 Final Design ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.2 Write Accord w/IHEP for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.3 Construct ME Target at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.4 Inspection & Testing (at Fermilab) ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.5 Write accord w/IHEP for ME target construction (Part II)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.1 Final Design of New Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.2 Prep Req & Award POs for Target Carrier Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.3 Receive Parts & Assemble Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.4 Target Carrier trouble-shooting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.5 Construct Prototype Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.1 Finalize Baffle Design Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.2 Write Accord w/IHEP for Baffle	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.3 Construct Baffle at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.4 Inspect & Test Baffle (at FNAL)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.4 Final assy & installation Production Target & Baffle into	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.5 Installation to existing Target Module /Installation in Ch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.1 Prep Req & Award PO for Construction of Replacement Hadro	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.2 Vendor Fab & Receive Replacement Hadron Monitor (UT MOU)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.3 Install hadron monitor in tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.1 Prep Req & Award PO for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.2 Receive Parts for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.3 Fabricate Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.4 Install Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.1 Prep Req & Award PO for Target Hall Operations Space Plann	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.0.3.1.1.1.4 NuMI Extract Kicker Charging PS Upgrades Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.1 Final Design Upgrade for Fluorinert to Water Heat Exchan	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.2 NuMI Extract Kicker Procure Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.3 NuMI Extract Kicker Install Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.1 NuMI Procure BuLB System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.2 NuMI Implement & Test (BuLB) Regulation Systs for 6 Major	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.3 NuMI PS Changes for Improved Cycle Time	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.1 Prep Req & Award PO for 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.10 3Q120 Quads Hook-up & Checkout/Test for 5 New PS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.11 3Q120 Quads Reconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.2 Vendor Fab & Receive 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.3 Fabricate Spang Regulation Units	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.4 Prep Req & Order 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.5 Receive 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.6 Install & Terminate 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.9 3Q120 Quads Install 5 Recovered Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.1 Iterate Profile Monitor Upgrade Final Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.13 Assembly of Foils on Ceramic Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.14 Assembly of Detectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.15 Modify Motion Control from DC to AC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.16 Vacuum Leak Check & Bake Out	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.17 Alignment Referencing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.18 NuMI Stub profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.19 Pretarget profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.20 NuMI Stub Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.21 Pretarget Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.22 NuMI Stub Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.23 Pretarget Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.24 NuMI Stub Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.25 Pretarget Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.3 Procure Parts for Profile Monitors Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.1 Final Design ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.2 Write Accord w/IHEP for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.3 Construct ME Target at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.4 Inspection & Testing (at Fermilab) ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.5 Write accord w/IHEP for ME target construction (Part II)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.1 Final Design of New Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.2 Prep Req & Award POs for Target Carrier Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.3 Receive Parts & Assemble Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.4 Target Carrier trouble-shooting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.5 Construct Prototype Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.1 Finalize Baffle Design Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.2 Write Accord w/IHEP for Baffle	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.3 Construct Baffle at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.4 Inspect & Test Baffle (at FNAL)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.4 Final assy & installation Production Target & Baffle into	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.5 Installation to existing Target Module /Installation in Ch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.1 Prep Req & Award PO for Construction of Replacement Hadro	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.2 Vendor Fab & Receive Replacement Hadron Monitor (UT MOU)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.3 Install hadron monitor in tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.1 Prep Req & Award PO for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.2 Receive Parts for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.3 Fabricate Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.4 Install Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.1 Prep Req & Award PO for Target Hall Operations Space Plann	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.0.3.1.1.1.4 NuMI Extract Kicker Charging PS Upgrades Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.1 Final Design Upgrade for Fluorinert to Water Heat Exchan	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.2 NuMI Extract Kicker Procure Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.3 NuMI Extract Kicker Install Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.1 NuMI Procure BuLB System	BCWS	73,245	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.2 NuMI Implement & Test (BuLB) Regulation Systs for 6 Major	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.3 NuMI PS Changes for Improved Cycle Time	BCWS	40,120	20,060	0	0	0	0	0	0	0	0	0
2.0.3.1.3.1 Prep Req & Award PO for 5 Spang 75KW Power Supplies &	BCWS	2,940	2,940	0	0	0	0	0	0	0	0	0
2.0.3.1.3.10 3Q120 Quads Hook-up & Checkout/Test for 5 New PS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.11 3Q120 Quads Reconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.2 Vendor Fab & Receive 5 Spang 75KW Power Supplies &	BCWS	0	2,870	31,568	28,699	31,796	31,796	30,351	30,351	32,040	27,671	29,127
2.0.3.1.3.3 Fabricate Spang Regulation Units	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.4 Prep Req & Order 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.5 Receive 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.6 Install & Terminate 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.9 3Q120 Quads Install 5 Recovered Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.1 Iterate Profile Monitor Upgrade Final Design	BCWS	0	0	0	11,248	13,686	11,820	0	0	0	0	0
2.0.3.1.4.13 Assembly of Foils on Ceramic Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.14 Assembly of Detectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.15 Modify Motion Control from DC to AC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.16 Vacuum Leak Check & Bake Out	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.17 Alignment Referencing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.18 NuMI Stub profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.19 Pretarget profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.20 NuMI Stub Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.21 Pretarget Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.22 NuMI Stub Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.23 Pretarget Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.24 NuMI Stub Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.25 Pretarget Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.3 Procure Parts for Profile Monitors Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.1 Final Design ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.2 Write Accord w/IHEP for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.3 Construct ME Target at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.4 Inspection & Testing (at Fermilab) ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.5 Write accord w/IHEP for ME target construction (Part II)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.1 Final Design of New Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.2 Prep Req & Award POs for Target Carrier Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.3 Receive Parts & Assemble Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.4 Target Carrier trouble-shooting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.5 Construct Prototype Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.1 Finalize Baffle Design Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.2 Write Accord w/IHEP for Baffle	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.3 Construct Baffle at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.4 Inspect & Test Baffle (at FNAL)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.4 Final assy & installation Production Target & Baffle into	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.5 Installation to existing Target Module /Installation in Ch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.1 Prep Req & Award PO for Construction of Replacement Hadro	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.2 Vendor Fab & Receive Replacement Hadron Monitor (UT MOU)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.3 Install hadron monitor in tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.1 Prep Req & Award PO for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.2 Receive Parts for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.3 Fabricate Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.4 Install Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.1 Prep Req & Award PO for Target Hall Operations Space Plann	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.0.3.1.1.1.4 NuMI Extract Kicker Charging PS Upgrades Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.1 Final Design Upgrade for Fluorinert to Water Heat Exchan	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.2 NuMI Extract Kicker Procure Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.3 NuMI Extract Kicker Install Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.1 NuMI Procure BuLB System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.2 NuMI Implement & Test (BuLB) Regulation Systs for 6 Major	BCWS	0	14,689	42,230	40,394	12,853	0	0	0	0	0	0
2.0.3.1.2.3 NuMI PS Changes for Improved Cycle Time	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.1 Prep Req & Award PO for 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.10 3Q120 Quads Hook-up & Checkout/Test for 5 New PS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.11 3Q120 Quads Reconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.2 Vendor Fab & Receive 5 Spang 75KW Power Supplies &	BCWS	13,107	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.3 Fabricate Spang Regulation Units	BCWS	0	0	0	8,371	33,486	0	0	0	0	0	0
2.0.3.1.3.4 Prep Req & Order 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.5 Receive 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.6 Install & Terminate 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.9 3Q120 Quads Install 5 Recovered Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.1 Iterate Profile Monitor Upgrade Final Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.13 Assembly of Foils on Ceramic Boards	BCWS	0	0	0	0	0	0	0	0	16,466	15,145	0
2.0.3.1.4.14 Assembly of Detectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.15 Modify Motion Control from DC to AC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.16 Vacuum Leak Check & Bake Out	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.17 Alignment Referencing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.18 NuMI Stub profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.19 Pretarget profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.20 NuMI Stub Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.21 Pretarget Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.22 NuMI Stub Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.23 Pretarget Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.24 NuMI Stub Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.25 Pretarget Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.3 Procure Parts for Profile Monitors Upgrade	BCWS	0	0	0	0	10,996	24,190	23,091	24,190	5,498	0	0
2.0.3.2.1.1.1 Final Design ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.2 Write Accord w/IHEP for ME Target	BCWS	0	0	0	2,152	4,783	5,261	239	0	0	0	0
2.0.3.2.1.1.3 Construct ME Target at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.4 Inspection & Testing (at Fermilab) ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.5 Write accord w/IHEP for ME target construction (Part II)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.1 Final Design of New Carrier	BCWS	0	0	0	0	0	0	0	0	0	16,516	30,028
2.0.3.2.1.2.2 Prep Req & Award POs for Target Carrier Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.3 Receive Parts & Assemble Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.4 Target Carrier trouble-shooting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.5 Construct Prototype Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.1 Finalize Baffle Design Package	BCWS	0	0	0	0	0	0	439	1,389	0	0	0
2.0.3.2.1.3.2 Write Accord w/IHEP for Baffle	BCWS	0	0	0	0	693	1,155	0	0	0	0	0
2.0.3.2.1.3.3 Construct Baffle at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.4 Inspect & Test Baffle (at FNAL)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.4 Final assy & installation Production Target & Baffle into	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.5 Installation to existing Target Module /Installation in Ch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.1 Prep Req & Award PO for Construction of Replacement Hadro	BCWS	0	5,137	5,137	0	0	0	0	0	0	0	0
2.0.3.2.2.2 Vendor Fab & Receive Replacement Hadron Monitor (UT MOU)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.3 Install hadron monitor in tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.1 Prep Req & Award PO for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.2 Receive Parts for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.3 Fabricate Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.4 Install Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.1 Prep Req & Award PO for Target Hall Operations Space Plann	BCWS	0	0	0	0	0	1,669	2,062	1,178	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.0.3.1.1.1.4 NuMI Extract Kicker Charging PS Upgrades Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.1 Final Design Upgrade for Fluorinert to Water Heat Exchan	BCWS	0	0	0	0	0	0	0	0	0	0	11,932
2.0.3.1.1.2.2 NuMI Extract Kicker Procure Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	1,854
2.0.3.1.1.2.3 NuMI Extract Kicker Install Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.1 NuMI Procure BuLB System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.2 NuMI Implement & Test (BuLB) Regulation Systs for 6 Major	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.3 NuMI PS Changes for Improved Cycle Time	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.1 Prep Req & Award PO for 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.10 3Q120 Quads Hook-up & Checkout/Test for 5 New PS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.11 3Q120 Quads Reconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.2 Vendor Fab & Receive 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.3 Fabricate Spang Regulation Units	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.4 Prep Req & Order 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	3,178	4,767	1,190
2.0.3.1.3.5 Receive 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	84,362
2.0.3.1.3.6 Install & Terminate 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.9 3Q120 Quads Install 5 Recovered Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.1 Iterate Profile Monitor Upgrade Final Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.13 Assembly of Foils on Ceramic Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.14 Assembly of Detectors	BCWS	0	0	0	0	5,139	35,970	10,277	0	0	0	0
2.0.3.1.4.15 Modify Motion Control from DC to AC	BCWS	0	0	0	0	0	0	13,455	0	0	0	0
2.0.3.1.4.16 Vacuum Leak Check & Bake Out	BCWS	0	0	0	0	0	0	854	17,076	16,222	0	0
2.0.3.1.4.17 Alignment Referencing	BCWS	0	0	0	0	0	0	0	0	504	755	0
2.0.3.1.4.18 NuMI Stub profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.19 Pretarget profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.20 NuMI Stub Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.21 Pretarget Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.22 NuMI Stub Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.23 Pretarget Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.24 NuMI Stub Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.25 Pretarget Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.3 Procure Parts for Profile Monitors Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.1 Final Design ME Target	BCWS	27,719	29,258	3,080	0	0	0	0	0	0	0	0
2.0.3.2.1.1.2 Write Accord w/IHEP for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.3 Construct ME Target at IHEP	BCWS	0	0	0	0	0	0	10,222	14,603	16,794	15,333	15,890
2.0.3.2.1.1.4 Inspection & Testing (at Fermilab) ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.5 Write accord w/IHEP for ME target construction (Part II)	BCWS	0	0	0	497	5,224	5,224	1,990	0	0	0	0
2.0.3.2.1.2.1 Final Design of New Carrier	BCWS	13,513	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.2 Prep Req & Award POs for Target Carrier Parts	BCWS	0	0	0	0	3,455	14,512	2,764	0	0	0	0
2.0.3.2.1.2.3 Receive Parts & Assemble Target Carrier	BCWS	0	0	0	0	0	0	33,161	36,846	42,373	38,688	34,504
2.0.3.2.1.2.4 Target Carrier trouble-shooting	BCWS	0	0	0	0	0	0	0	0	0	0	8,813
2.0.3.2.1.2.5 Construct Prototype Target Carrier	BCWS	2,688	51,073	53,761	61,825	43,009	0	0	0	0	0	0
2.0.3.2.1.3.1 Finalize Baffle Design Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.2 Write Accord w/IHEP for Baffle	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.3 Construct Baffle at IHEP	BCWS	0	0	726	5,565	5,081	5,081	5,323	4,839	5,565	5,081	5,250
2.0.3.2.1.3.4 Inspect & Test Baffle (at FNAL)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.4 Final assy & installation Production Target & Baffle into	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.5 Installation to existing Target Module /Installation in Ch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.1 Prep Req & Award PO for Construction of Replacement Hadro	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.2 Vendor Fab & Receive Replacement Hadron Monitor (UT MOU)	BCWS	0	14,753	15,530	17,859	16,306	16,306	17,083	15,530	17,859	16,306	16,722
2.0.3.2.2.3 Install hadron monitor in tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.1 Prep Req & Award PO for Hadron Monitor Beam Abort	BCWS	0	0	0	0	9,189	2,297	0	0	0	0	0
2.0.3.2.3.2 Receive Parts for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	10,598	3,347	0	0	0	0
2.0.3.2.3.3 Fabricate Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	12,532	7,049	0	0	0
2.0.3.2.3.4 Install Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.1 Prep Req & Award PO for Target Hall Operations Space Plann	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.0.3.1.1.1.4 NuMI Extract Kicker Charging PS Upgrades Testing	BCWS	0	0	0	0	0	0	28,030	28,030	0	0	0
2.0.3.1.1.2.1 Final Design Upgrade for Fluorinert to Water Heat Exchan	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.2 NuMI Extract Kicker Procure Upgrade for Fluorinert to Wa	BCWS	3,708	3,523	2,040	0	0	0	0	0	0	0	0
2.0.3.1.1.2.3 NuMI Extract Kicker Install Upgrade for Fluorinert to Wa	BCWS	0	0	9,599	1,067	0	0	0	0	0	0	0
2.0.3.1.2.1 NuMI Procure BuLB System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.2 NuMI Implement & Test (BuLB) Regulation Systs for 6 Major	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.3 NuMI PS Changes for Improved Cycle Time	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.1 Prep Req & Award PO for 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.10 3Q120 Quads Hook-up & Checkout/Test for 5 New PS	BCWS	0	0	0	0	25,938	34,584	0	0	0	0	0
2.0.3.1.3.11 3Q120 Quads Reconnect Water	BCWS	0	0	0	0	0	1,786	7,142	0	0	0	0
2.0.3.1.3.2 Vendor Fab & Receive 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.3 Fabricate Spang Regulation Units	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.4 Prep Req & Order 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.5 Receive 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.6 Install & Terminate 3Q120 Quad Cables	BCWS	0	0	96,873	14,531	0	0	0	0	0	0	0
2.0.3.1.3.9 3Q120 Quads Install 5 Recovered Magnets	BCWS	0	0	0	50,987	0	0	0	0	0	0	0
2.0.3.1.4.1 Iterate Profile Monitor Upgrade Final Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.13 Assembly of Foils on Ceramic Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.14 Assembly of Detectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.15 Modify Motion Control from DC to AC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.16 Vacuum Leak Check & Bake Out	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.17 Alignment Referencing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.18 NuMI Stub profile Monitor Installation	BCWS	0	0	0	0	24,854	0	0	0	0	0	0
2.0.3.1.4.19 Pretarget profile Monitor Installation	BCWS	0	0	0	0	4,842	19,368	0	0	0	0	0
2.0.3.1.4.20 NuMI Stub Rough Alignment	BCWS	0	0	0	0	0	0	8,285	0	0	0	0
2.0.3.1.4.21 Pretarget Rough Alignment	BCWS	0	0	0	0	0	0	6,628	1,657	0	0	0
2.0.3.1.4.22 NuMI Stub Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	13,770	3,443	0	0	0
2.0.3.1.4.23 Pretarget Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	17,213	0	0	0
2.0.3.1.4.24 NuMI Stub Final Alignment	BCWS	0	0	0	0	0	0	0	8,285	0	0	0
2.0.3.1.4.25 Pretarget Final Alignment	BCWS	0	0	0	0	0	0	0	7,456	828	0	0
2.0.3.1.4.3 Procure Parts for Profile Monitors Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.1 Final Design ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.2 Write Accord w/IHEP for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.3 Construct ME Target at IHEP	BCWS	15,134	14,377	15,134	15,890	15,890	0	0	0	0	0	0
2.0.3.2.1.1.4 Inspection & Testing (at Fermilab) ME Target	BCWS	0	0	0	0	15,518	19,169	1,826	0	0	0	0
2.0.3.2.1.1.5 Write accord w/IHEP for ME target construction (Part II)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.1 Final Design of New Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.2 Prep Req & Award POs for Target Carrier Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.3 Receive Parts & Assemble Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.4 Target Carrier trouble-shooting	BCWS	49,942	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.5 Construct Prototype Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.1 Finalize Baffle Design Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.2 Write Accord w/IHEP for Baffle	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.3 Construct Baffle at IHEP	BCWS	5,000	4,250	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.4 Inspect & Test Baffle (at FNAL)	BCWS	0	1,819	18,193	16,374	0	0	0	0	0	0	0
2.0.3.2.1.4 Final assy & installation Production Target & Baffle into	BCWS	0	0	0	0	0	0	25,473	26,747	26,747	17,831	0
2.0.3.2.1.5 Installation to existing Target Module /Installation in Ch	BCWS	0	0	0	0	0	0	0	0	0	52,746	17,582
2.0.3.2.2.1 Prep Req & Award PO for Construction of Replacement Hadro	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.2 Vendor Fab & Receive Replacement Hadron Monitor (UT MOU)	BCWS	15,925	15,129	15,925	16,722	17,518	16,722	17,518	15,129	0	0	0
2.0.3.2.2.3 Install hadron monitor in tunnel	BCWS	0	0	0	0	0	0	0	0	0	41,353	4,595
2.0.3.2.3.1 Prep Req & Award PO for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.2 Receive Parts for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.3 Fabricate Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.4 Install Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	13,729	16,780
2.0.3.3.1.1 Prep Req & Award PO for Target Hall Operations Space Plann	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.0.3.1.1.1.4 NuMI Extract Kicker Charging PS Upgrades Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.1 Final Design Upgrade for Fluorinert to Water Heat Exchan	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.2 NuMI Extract Kicker Procure Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.3 NuMI Extract Kicker Install Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.1 NuMI Procure BuLB System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.2 NuMI Implement & Test (BuLB) Regulation Systs for 6 Major	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.3 NuMI PS Changes for Improved Cycle Time	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.1 Prep Req & Award PO for 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.10 3Q120 Quads Hook-up & Checkout/Test for 5 New PS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.11 3Q120 Quads Reconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.2 Vendor Fab & Receive 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.3 Fabricate Spang Regulation Units	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.4 Prep Req & Order 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.5 Receive 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.6 Install & Terminate 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.9 3Q120 Quads Install 5 Recovered Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.1 Iterate Profile Monitor Upgrade Final Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.13 Assembly of Foils on Ceramic Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.14 Assembly of Detectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.15 Modify Motion Control from DC to AC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.16 Vacuum Leak Check & Bake Out	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.17 Alignment Referencing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.18 NuMI Stub profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.19 Pretarget profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.20 NuMI Stub Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.21 Pretarget Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.22 NuMI Stub Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.23 Pretarget Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.24 NuMI Stub Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.25 Pretarget Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.3 Procure Parts for Profile Monitors Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.1 Final Design ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.2 Write Accord w/IHEP for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.3 Construct ME Target at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.4 Inspection & Testing (at Fermilab) ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.5 Write accord w/IHEP for ME target construction (Part II)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.1 Final Design of New Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.2 Prep Req & Award POs for Target Carrier Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.3 Receive Parts & Assemble Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.4 Target Carrier trouble-shooting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.5 Construct Prototype Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.1 Finalize Baffle Design Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.2 Write Accord w/IHEP for Baffle	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.3 Construct Baffle at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.4 Inspect & Test Baffle (at FNAL)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.4 Final assy & installation Production Target & Baffle into	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.5 Installation to existing Target Module /Installation in Ch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.1 Prep Req & Award PO for Construction of Replacement Hadro	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.2 Vendor Fab & Receive Replacement Hadron Monitor (UT MOU)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.3 Install hadron monitor in tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.1 Prep Req & Award PO for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.2 Receive Parts for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.3 Fabricate Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.4 Install Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.1 Prep Req & Award PO for Target Hall Operations Space Plann	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.0.3.1.1.1.4 NuMI Extract Kicker Charging PS Upgrades Testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.1 Final Design Upgrade for Fluorinert to Water Heat Exchan	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.2 NuMI Extract Kicker Procure Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.1.2.3 NuMI Extract Kicker Install Upgrade for Fluorinert to Wa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.1 NuMI Procure BuLB System	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.2 NuMI Implement & Test (BuLB) Regulation Systs for 6 Major	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.2.3 NuMI PS Changes for Improved Cycle Time	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.1 Prep Req & Award PO for 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.10 3Q120 Quads Hook-up & Checkout/Test for 5 New PS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.11 3Q120 Quads Reconnect Water	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.2 Vendor Fab & Receive 5 Spang 75KW Power Supplies &	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.3 Fabricate Spang Regulation Units	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.4 Prep Req & Order 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.5 Receive 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.6 Install & Terminate 3Q120 Quad Cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.3.9 3Q120 Quads Install 5 Recovered Magnets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.1 Iterate Profile Monitor Upgrade Final Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.13 Assembly of Foils on Ceramic Boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.14 Assembly of Detectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.15 Modify Motion Control from DC to AC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.16 Vacuum Leak Check & Bake Out	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.17 Alignment Referencing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.18 NuMI Stub profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.19 Pretarget profile Monitor Installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.20 NuMI Stub Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.21 Pretarget Rough Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.22 NuMI Stub Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.23 Pretarget Vacuum Hookup & Leak Check	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.24 NuMI Stub Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.25 Pretarget Final Alignment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.1.4.3 Procure Parts for Profile Monitors Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.1 Final Design ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.2 Write Accord w/IHEP for ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.3 Construct ME Target at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.4 Inspection & Testing (at Fermilab) ME Target	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.1.5 Write accord w/IHEP for ME target construction (Part II)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.1 Final Design of New Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.2 Prep Req & Award POs for Target Carrier Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.3 Receive Parts & Assemble Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.4 Target Carrier trouble-shooting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.2.5 Construct Prototype Target Carrier	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.1 Finalize Baffle Design Package	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.2 Write Accord w/IHEP for Baffle	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.3 Construct Baffle at IHEP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.3.4 Inspect & Test Baffle (at FNAL)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.4 Final assy & installation Production Target & Baffle into	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.1.5 Installation to existing Target Module /Installation in Ch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.1 Prep Req & Award PO for Construction of Replacement Hadro	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.2 Vendor Fab & Receive Replacement Hadron Monitor (UT MOU)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.2.3 Install hadron monitor in tunnel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.1 Prep Req & Award PO for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.2 Receive Parts for Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.3 Fabricate Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.2.3.4 Install Hadron Monitor Beam Abort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.1 Prep Req & Award PO for Target Hall Operations Space Plann	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.0.3.1.1.1.4 NuMI Extract Kicker Charging PS Upgrades Testing	BCWS	0	0	56,060
2.0.3.1.1.2.1 Final Design Upgrade for Fluorinert to Water Heat Exchan	BCWS	0	0	11,932
2.0.3.1.1.2.2 NuMI Extract Kicker Procure Upgrade for Fluorinert to Wa	BCWS	0	0	11,125
2.0.3.1.1.2.3 NuMI Extract Kicker Install Upgrade for Fluorinert to Wa	BCWS	0	0	10,666
2.0.3.1.2.1 NuMI Procure BuLB System	BCWS	0	0	73,245
2.0.3.1.2.2 NuMI Implement & Test (BuLB) Regulation Systs for 6 Major	BCWS	0	0	110,166
2.0.3.1.2.3 NuMI PS Changes for Improved Cycle Time	BCWS	0	0	60,180
2.0.3.1.3.1 Prep Req & Award PO for 5 Spang 75KW Power Supplies &	BCWS	0	0	5,880
2.0.3.1.3.10 3Q120 Quads Hook-up & Checkout/Test for 5 New PS	BCWS	0	0	60,523
2.0.3.1.3.11 3Q120 Quads Reconnect Water	BCWS	0	0	8,928
2.0.3.1.3.2 Vendor Fab & Receive 5 Spang 75KW Power Supplies &	BCWS	0	0	289,377
2.0.3.1.3.3 Fabricate Spang Regulation Units	BCWS	0	0	41,857
2.0.3.1.3.4 Prep Req & Order 3Q120 Quad Cables	BCWS	0	0	9,135
2.0.3.1.3.5 Receive 3Q120 Quad Cables	BCWS	0	0	84,362
2.0.3.1.3.6 Install & Terminate 3Q120 Quad Cables	BCWS	0	0	111,404
2.0.3.1.3.9 3Q120 Quads Install 5 Recovered Magnets	BCWS	0	0	50,987
2.0.3.1.4.1 Iterate Profile Monitor Upgrade Final Design	BCWS	0	0	36,754
2.0.3.1.4.13 Assembly of Foils on Ceramic Boards	BCWS	0	0	31,611
2.0.3.1.4.14 Assembly of Detectors	BCWS	0	0	51,386
2.0.3.1.4.15 Modify Motion Control from DC to AC	BCWS	0	0	13,455
2.0.3.1.4.16 Vacuum Leak Check & Bake Out	BCWS	0	0	34,151
2.0.3.1.4.17 Alignment Referencing	BCWS	0	0	1,259
2.0.3.1.4.18 NuMI Stub profile Monitor Installation	BCWS	0	0	24,854
2.0.3.1.4.19 Pretarget profile Monitor Installation	BCWS	0	0	24,210
2.0.3.1.4.20 NuMI Stub Rough Alignment	BCWS	0	0	8,285
2.0.3.1.4.21 Pretarget Rough Alignment	BCWS	0	0	8,285
2.0.3.1.4.22 NuMI Stub Vacuum Hookup & Leak Check	BCWS	0	0	17,213
2.0.3.1.4.23 Pretarget Vacuum Hookup & Leak Check	BCWS	0	0	17,213
2.0.3.1.4.24 NuMI Stub Final Alignment	BCWS	0	0	8,285
2.0.3.1.4.25 Pretarget Final Alignment	BCWS	0	0	8,285
2.0.3.1.4.3 Procure Parts for Profile Monitors Upgrade	BCWS	0	0	87,964
2.0.3.2.1.1.1 Final Design ME Target	BCWS	0	0	60,057
2.0.3.2.1.1.2 Write Accord w/IHEP for ME Target	BCWS	0	0	12,436
2.0.3.2.1.1.3 Construct ME Target at IHEP	BCWS	0	0	149,268
2.0.3.2.1.1.4 Inspection & Testing (at Fermilab) ME Target	BCWS	0	0	36,512
2.0.3.2.1.1.5 Write accord w/IHEP for ME target construction (Part II)	BCWS	0	0	12,935
2.0.3.2.1.2.1 Final Design of New Carrier	BCWS	0	0	60,057
2.0.3.2.1.2.2 Prep Req & Award POs for Target Carrier Parts	BCWS	0	0	20,731
2.0.3.2.1.2.3 Receive Parts & Assemble Target Carrier	BCWS	0	0	185,571
2.0.3.2.1.2.4 Target Carrier trouble-shooting	BCWS	0	0	58,756
2.0.3.2.1.2.5 Construct Prototype Target Carrier	BCWS	0	0	212,356
2.0.3.2.1.3.1 Finalize Baffle Design Package	BCWS	0	0	1,828
2.0.3.2.1.3.2 Write Accord w/IHEP for Baffle	BCWS	0	0	1,848
2.0.3.2.1.3.3 Construct Baffle at IHEP	BCWS	0	0	51,761
2.0.3.2.1.3.4 Inspect & Test Baffle (at FNAL)	BCWS	0	0	36,387
2.0.3.2.1.4 Final assy & installation Production Target & Baffle into	BCWS	0	0	96,799
2.0.3.2.1.5 Installation to existing Target Module /Installation in Ch	BCWS	0	0	70,328
2.0.3.2.2.1 Prep Req & Award PO for Construction of Replacement Hadro	BCWS	0	0	10,273
2.0.3.2.2.2 Vendor Fab & Receive Replacement Hadron Monitor (UT MOU)	BCWS	0	0	294,841
2.0.3.2.2.3 Install hadron monitor in tunnel	BCWS	0	0	45,948
2.0.3.2.3.1 Prep Req & Award PO for Hadron Monitor Beam Abort	BCWS	0	0	11,486
2.0.3.2.3.2 Receive Parts for Hadron Monitor Beam Abort	BCWS	0	0	13,945
2.0.3.2.3.3 Fabricate Hadron Monitor Beam Abort	BCWS	0	0	19,581
2.0.3.2.3.4 Install Hadron Monitor Beam Abort	BCWS	0	0	30,510
2.0.3.3.1.1 Prep Req & Award PO for Target Hall Operations Space Plann	BCWS	0	0	4,910

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.0.3.3.1.2 Vendor Fab & Receive Target hall Operations Space Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.3 Install new operations equipment in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.1 Final Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.2 Procure & fabrication of stripline extension parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.3 Receive, Inspection & Handling of Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.4 Assembly of stripline extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.5 Installation of stripline extension & fence	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.1 Final Design Shielding Blocks & Remote Lifting Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.2 Prep Req & Award PO for Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.3 Vendor Fab & Receive Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.4 Prep Req & Award PO for Remote Lifting System Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.5 Receive Remote Lifting System Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.6 Prep Req & Award PO for Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.7 Vendor Fab & Receive Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.8 Installation of Rails, Carriage, T-Block Supports & Shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.1 Final Design of New Chiller Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.2 Prep Req & Award PO for Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.3 Vendor Fab & Receive Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.4 Modify Coil Box & Install Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.5 Install Instrumentation & Read Backs for Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.6 Test & Troubleshoot Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.1 Final Design Forced Air Cooling for Horn 1 Chase Stripli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.2 Prep Req & Award PO for New Stripline Cooling Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.3 Vendor Fab & Receive New Stripline Cooling Components (o	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.4 Horn 1 Stripline Block Assemble (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.1 Procure & Fabricate Additional Chase Temperature Monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.2 Install additional temp monitoring Equip & Readbacks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.1 Procure & Fab Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.2 Install Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.3 Test & Troubleshoot Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.1 Final Design Horn RAW Skid Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.2 Procure Horn 1 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.3 Fabricate/Install Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.4 Test & Troubleshoot Horn 1 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.5 Procure Horn 2 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.6 Fabricate/Install Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.7 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.1 Procure & Fab of Piping Extension Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.2 Installation of piping extension incl Radiography	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.3 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.1 Final Design DP US & DS RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.2 Procure & Fabricate US & DS Decay Pipe RAW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.3 Install Decay Pipe US RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.4 Install Decay Pipe DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.5 Test & Troubleshoot Decay Pipe RAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.1 Final Design Hadron Absorber Skids Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.2 Procure & Fabricate Hadron Absorber skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.3 Install Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.4 Test & Troubleshoot Hadron Absorber Skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.1 Fabricate NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.2 Fabricate NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.3 Fabricate NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.4 Install NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.5 Install NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.6 Install NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.0.3.3.1.2 Vendor Fab & Receive Target hall Operations Space Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.3 Install new operations equipment in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.1 Final Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.2 Procure & fabrication of stripline extension parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.3 Receive, Inspection & Handling of Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.4 Assembly of stripline extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.5 Installation of stripline extension & fence	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.1 Final Design Shielding Blocks & Remote Lifting Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.2 Prep Req & Award PO for Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.3 Vendor Fab & Receive Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.4 Prep Req & Award PO for Remote Lifting System Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.5 Receive Remote Lifting System Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.6 Prep Req & Award PO for Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.7 Vendor Fab & Receive Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.8 Installation of Rails, Carriage, T-Block Supports & Shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.1 Final Design of New Chiller Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.2 Prep Req & Award PO for Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.3 Vendor Fab & Receive Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.4 Modify Coil Box & Install Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.5 Install Instrumentation & Read Backs for Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.6 Test & Troubleshoot Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.1 Final Design Forced Air Cooling for Horn 1 Chase Stripli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.2 Prep Req & Award PO for New Stripline Cooling Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.3 Vendor Fab & Receive New Stripline Cooling Components (o	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.4 Horn 1 Stripline Block Assemble (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.1 Procure & Fabricate Additional Chase Temperature Monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.2 Install additional temp monitoring Equip & Readbacks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.1 Procure & Fab Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.2 Install Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.3 Test & Troubleshoot Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.1 Final Design Horn RAW Skid Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.2 Procure Horn 1 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.3 Fabricate/Install Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.4 Test & Troubleshoot Horn 1 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.5 Procure Horn 2 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.6 Fabricate/Install Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.7 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.1 Procure & Fab of Piping Extension Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.2 Installation of piping extension incl Radiography	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.3 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.1 Final Design DP US & DS RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.2 Procure & Fabricate US & DS Decay Pipe RAW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.3 Install Decay Pipe US RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.4 Install Decay Pipe DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.5 Test & Troubleshoot Decay Pipe RAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.1 Final Design Hadron Absorber Skids Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.2 Procure & Fabricate Hadron Absorber skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.3 Install Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.4 Test & Troubleshoot Hadron Absorber Skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.1 Fabricate NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.2 Fabricate NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.3 Fabricate NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.4 Install NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.5 Install NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.6 Install NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.0.3.3.1.2 Vendor Fab & Receive Target hall Operations Space Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.3 Install new operations equipment in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.1 Final Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.2 Procure & fabrication of stripline extension parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.3 Receive, Inspection & Handling of Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.4 Assembly of stripline extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.5 Installation of stripline extension & fence	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.1 Final Design Shielding Blocks & Remote Lifting Component	BCWS	0	0	0	0	0	30,831	35,970	1,713	0	0	0
2.0.3.3.2.2.2 Prep Req & Award PO for Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.3 Vendor Fab & Receive Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.4 Prep Req & Award PO for Remote Lifting System Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.5 Receive Remote Lifting System Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.6 Prep Req & Award PO for Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.7 Vendor Fab & Receive Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.8 Installation of Rails, Carriage, T-Block Supports & Shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.1 Final Design of New Chiller Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.2 Prep Req & Award PO for Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.3 Vendor Fab & Receive Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.4 Modify Coil Box & Install Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.5 Install Instrumentation & Read Backs for Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.6 Test & Troubleshoot Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.1 Final Design Forced Air Cooling for Horn 1 Chase Stripli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.2 Prep Req & Award PO for New Stripline Cooling Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.3 Vendor Fab & Receive New Stripline Cooling Components (o	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.4 Horn 1 Stripline Block Assemble (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.1 Procure & Fabricate Additional Chase Temperature Monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.2 Install additional temp monitoring Equip & Readbacks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.1 Procure & Fab Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.2 Install Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.3 Test & Troubleshoot Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.1 Final Design Horn RAW Skid Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.2 Procure Horn 1 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.3 Fabricate/Install Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.4 Test & Troubleshoot Horn 1 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.5 Procure Horn 2 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.6 Fabricate/Install Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.7 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.1 Procure & Fab of Piping Extension Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.2 Installation of piping extension incl Radiography	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.3 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.1 Final Design DP US & DS RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.2 Procure & Fabricate US & DS Decay Pipe RAW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.3 Install Decay Pipe US RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.4 Install Decay Pipe DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.5 Test & Troubleshoot Decay Pipe RAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.1 Final Design Hadron Absorber Skids Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.2 Procure & Fabricate Hadron Absorber skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.3 Install Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.4 Test & Troubleshoot Hadron Absorber Skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.1 Fabricate NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.2 Fabricate NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.3 Fabricate NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.4 Install NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.5 Install NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.6 Install NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.0.3.3.1.2 Vendor Fab & Receive Target hall Operations Space Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.3 Install new operations equipment in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.1 Final Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	5,547	22,189	16,641	0	0	0	0	0
2.0.3.3.2.1.2 Procure & fabrication of stripline extension parts	BCWS	0	0	0	0	0	3,117	9,350	9,795	9,350	9,729	9,266
2.0.3.3.2.1.3 Receive, Inspection & Handling of Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.4 Assembly of stripline extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.5 Installation of stripline extension & fence	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.1 Final Design Shielding Blocks & Remote Lifting Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.2 Prep Req & Award PO for Shielding Blocks	BCWS	0	0	0	0	0	3,430	1,614	0	0	0	0
2.0.3.3.2.2.3 Vendor Fab & Receive Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.4 Prep Req & Award PO for Remote Lifting System Component	BCWS	0	0	0	0	0	3,339	4,124	1,375	0	0	0
2.0.3.3.2.2.5 Receive Remote Lifting System Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.6 Prep Req & Award PO for Carriage Support	BCWS	0	0	0	0	0	5,160	6,374	2,125	0	0	0
2.0.3.3.2.2.7 Vendor Fab & Receive Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.8 Installation of Rails, Carriage, T-Block Supports & Shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.1 Final Design of New Chiller Coils	BCWS	23,986	26,651	2,665	0	0	0	0	0	0	0	0
2.0.3.3.3.1.2 Prep Req & Award PO for Target Chase Cooling Equip	BCWS	0	0	0	0	1,228	2,703	369	0	0	0	0
2.0.3.3.3.1.3 Vendor Fab & Receive Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.4 Modify Coil Box & Install Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.5 Install Instrumentation & Read Backs for Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.6 Test & Troubleshoot Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.1 Final Design Forced Air Cooling for Horn 1 Chase Stripli	BCWS	0	0	8,511	11,129	0	0	0	0	0	0	0
2.0.3.3.3.2.2 Prep Req & Award PO for New Stripline Cooling Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.3 Vendor Fab & Receive New Stripline Cooling Components (o	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.4 Horn 1 Stripline Block Assemble (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.1 Procure & Fabricate Additional Chase Temperature Monitor	BCWS	0	0	0	0	0	0	1,635	4,497	4,292	1,904	0
2.0.3.3.3.3.2 Install additional temp monitoring Equip & Readbacks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.1 Procure & Fab Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.2 Install Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.3 Test & Troubleshoot Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.1 Final Design Horn RAW Skid Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.2 Procure Horn 1 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.3 Fabricate/Install Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.4 Test & Troubleshoot Horn 1 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.5 Procure Horn 2 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.6 Fabricate/Install Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.7 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.1 Procure & Fab of Piping Extension Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.2 Installation of piping extension incl Radiography	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.3 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.1 Final Design DP US & DS RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.2 Procure & Fabricate US & DS Decay Pipe RAW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.3 Install Decay Pipe US RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.4 Install Decay Pipe DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.5 Test & Troubleshoot Decay Pipe RAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.1 Final Design Hadron Absorber Skids Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.2 Procure & Fabricate Hadron Absorber skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.3 Install Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.4 Test & Troubleshoot Hadron Absorber Skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.1 Fabricate NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.2 Fabricate NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.3 Fabricate NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.4 Install NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.5 Install NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.6 Install NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.0.3.3.1.2 Vendor Fab & Receive Target hall Operations Space Planning	BCWS	0	4,515	12,901	14,836	0	0	0	0	0	0	0
2.0.3.3.1.3 Install new operations equipment in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.1 Final Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.2 Procure & fabrication of stripline extension parts	BCWS	9,266	8,802	9,266	10,655	9,729	9,729	7,876	0	0	0	0
2.0.3.3.2.1.3 Receive, Inspection & Handling of Parts	BCWS	0	0	0	0	0	0	16,711	46,791	0	0	0
2.0.3.3.2.1.4 Assembly of stripline extension	BCWS	0	0	0	0	0	0	0	22,493	48,734	0	0
2.0.3.3.2.1.5 Installation of stripline extension & fence	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.1 Final Design Shielding Blocks & Remote Lifting Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.2 Prep Req & Award PO for Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.3 Vendor Fab & Receive Shielding Blocks	BCWS	51,626	49,045	51,626	59,370	54,208	54,208	56,789	7,744	0	0	0
2.0.3.3.2.2.4 Prep Req & Award PO for Remote Lifting System Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.5 Receive Remote Lifting System Components	BCWS	0	3,028	5,047	5,804	5,299	5,299	0	0	0	0	0
2.0.3.3.2.2.6 Prep Req & Award PO for Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.7 Vendor Fab & Receive Carriage Support	BCWS	0	11,992	19,987	22,985	18,988	0	0	0	0	0	0
2.0.3.3.2.2.8 Installation of Rails, Carriage, T-Block Supports & Shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.1 Final Design of New Chiller Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.2 Prep Req & Award PO for Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.3 Vendor Fab & Receive Target Chase Cooling Equip	BCWS	0	0	0	0	0	22,617	23,694	15,078	0	0	0
2.0.3.3.3.1.4 Modify Coil Box & Install Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.5 Install Instrumentation & Read Backs for Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.6 Test & Troubleshoot Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.1 Final Design Forced Air Cooling for Horn 1 Chase Stripli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.2 Prep Req & Award PO for New Stripline Cooling Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.3 Vendor Fab & Receive New Stripline Cooling Components (o	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.4 Horn 1 Stripline Block Assemble (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.1 Procure & Fabricate Additional Chase Temperature Monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.2 Install additional temp monitoring Equip & Readbacks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.1 Procure & Fab Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	1,795
2.0.3.4.1.1.2 Install Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.3 Test & Troubleshoot Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.1 Final Design Horn RAW Skid Upgrades	BCWS	0	0	0	0	0	0	3,515	7,030	3,515	0	0
2.0.3.4.1.2.2 Procure Horn 1 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	2,847
2.0.3.4.1.2.3 Fabricate/Install Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.4 Test & Troubleshoot Horn 1 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.5 Procure Horn 2 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	2,847
2.0.3.4.1.2.6 Fabricate/Install Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.7 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.1 Procure & Fab of Piping Extension Parts	BCWS	0	0	0	0	0	0	0	0	0	0	5,150
2.0.3.4.1.3.2 Installation of piping extension incl Radiography	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.3 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.1 Final Design DP US & DS RAW Skid Upgrade	BCWS	0	0	0	0	0	0	2,380	4,760	2,380	0	0
2.0.3.4.1.4.2 Procure & Fabricate US & DS Decay Pipe RAW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	1,931
2.0.3.4.1.4.3 Install Decay Pipe US RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.4 Install Decay Pipe DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.5 Test & Troubleshoot Decay Pipe RAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.1 Final Design Hadron Absorber Skids Upgrade	BCWS	0	0	0	0	0	0	3,414	6,827	3,414	0	0
2.0.3.4.1.5.2 Procure & Fabricate Hadron Absorber skids	BCWS	0	0	0	0	0	0	0	0	0	0	2,478
2.0.3.4.1.5.3 Install Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.4 Test & Troubleshoot Hadron Absorber Skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.1 Fabricate NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	23,675
2.0.3.4.1.6.2 Fabricate NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.3 Fabricate NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	46,365
2.0.3.4.1.6.4 Install NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.5 Install NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.6 Install NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.0.3.3.1.2 Vendor Fab & Receive Target hall Operations Space Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.3 Install new operations equipment in Target Hall	BCWS	0	25,039	5,008	0	0	0	0	0	0	0	0
2.0.3.3.2.1.1 Final Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.2 Procure & fabrication of stripline extension parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.3 Receive, Inspection & Handling of Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.4 Assembly of stripline extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.5 Installation of stripline extension & fence	BCWS	0	0	0	0	65,965	0	0	0	0	0	0
2.0.3.3.2.2.1 Final Design Shielding Blocks & Remote Lifting Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.2 Prep Req & Award PO for Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.3 Vendor Fab & Receive Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.4 Prep Req & Award PO for Remote Lifting System Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.5 Receive Remote Lifting System Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.6 Prep Req & Award PO for Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.7 Vendor Fab & Receive Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.8 Installation of Rails, Carriage, T-Block Supports & Shie	BCWS	0	0	116,512	152,923	7,282	0	0	0	0	0	0
2.0.3.3.3.1.1 Final Design of New Chiller Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.2 Prep Req & Award PO for Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.3 Vendor Fab & Receive Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.4 Modify Coil Box & Install Cooling Coils	BCWS	0	0	0	0	0	42,279	75,162	0	0	0	0
2.0.3.3.3.1.5 Install Instrumentation & Read Backs for Cooling Coils	BCWS	0	0	0	0	0	0	14,502	14,502	0	0	0
2.0.3.3.3.1.6 Test & Troubleshoot Cooling Equip	BCWS	0	0	0	0	0	0	0	33,247	0	0	0
2.0.3.3.3.2.1 Final Design Forced Air Cooling for Horn 1 Chase Stripli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.2 Prep Req & Award PO for New Stripline Cooling Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.3 Vendor Fab & Receive New Stripline Cooling Components (o	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.4 Horn 1 Stripline Block Assemble (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.1 Procure & Fabricate Additional Chase Temperature Monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.2 Install additional temp monitoring Equip & Readbacks	BCWS	0	14,876	26,777	0	0	0	0	0	0	0	0
2.0.3.4.1.1.1 Procure & Fab Target RAW Instrumentation Upgrade	BCWS	2,111	2,006	2,111	2,217	2,323	2,217	2,111	0	0	0	0
2.0.3.4.1.1.2 Install Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	23,547	0	0
2.0.3.4.1.1.3 Test & Troubleshoot Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	6,812	0	0
2.0.3.4.1.2.1 Final Design Horn RAW Skid Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.2 Procure Horn 1 RAW Skid Upgrade Parts	BCWS	3,350	3,182	3,350	3,517	3,685	3,517	3,685	335	0	0	0
2.0.3.4.1.2.3 Fabricate/Install Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	47,065	0	0	0
2.0.3.4.1.2.4 Test & Troubleshoot Horn 1 RAW Skid	BCWS	0	0	0	0	0	0	0	12,491	0	0	0
2.0.3.4.1.2.5 Procure Horn 2 RAW Skid Upgrade Parts	BCWS	3,350	3,182	3,350	3,517	3,685	3,517	3,685	335	0	0	0
2.0.3.4.1.2.6 Fabricate/Install Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	47,065	0	0	0
2.0.3.4.1.2.7 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	12,491	0	0	0
2.0.3.4.1.3.1 Procure & Fab of Piping Extension Parts	BCWS	6,059	5,756	1,212	0	0	0	0	0	0	0	0
2.0.3.4.1.3.2 Installation of piping extension incl Radiography	BCWS	0	0	0	0	0	0	0	0	0	21,967	4,882
2.0.3.4.1.3.3 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	8,251
2.0.3.4.1.4.1 Final Design DP US & DS RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.2 Procure & Fabricate US & DS Decay Pipe RAW Upgrade	BCWS	2,272	2,159	2,272	2,386	2,499	2,386	2,272	0	0	0	0
2.0.3.4.1.4.3 Install Decay Pipe US RAW skid upgrade	BCWS	0	0	0	0	0	0	9,210	55,261	0	0	0
2.0.3.4.1.4.4 Install Decay Pipe DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	80,415	0	0
2.0.3.4.1.4.5 Test & Troubleshoot Decay Pipe RAW	BCWS	0	0	0	0	0	0	0	0	8,954	0	0
2.0.3.4.1.5.1 Final Design Hadron Absorber Skids Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.2 Procure & Fabricate Hadron Absorber skids	BCWS	2,916	2,770	2,916	3,061	3,207	3,061	2,916	0	0	0	0
2.0.3.4.1.5.3 Install Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	7,681	46,088	0	0	0
2.0.3.4.1.5.4 Test & Troubleshoot Hadron Absorber Skids	BCWS	0	0	0	0	0	0	0	14,903	0	0	0
2.0.3.4.1.6.1 Fabricate NuMI target hall RAW exchange system	BCWS	28,936	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.2 Fabricate NuMI absorber hall RAW exchange system	BCWS	23,675	28,936	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.3 Fabricate NuMI target hall RAW-room DI bottle shielding	BCWS	5,152	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.4 Install NuMI target hall RAW exchange system	BCWS	0	34,475	51,713	0	0	0	0	0	0	0	0
2.0.3.4.1.6.5 Install NuMI absorber hall RAW exchange system	BCWS	0	34,475	51,713	0	0	0	0	0	0	0	0
2.0.3.4.1.6.6 Install NuMI target hall RAW-room DI bottle shielding	BCWS	0	12,226	3,056	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.0.3.3.1.2 Vendor Fab & Receive Target hall Operations Space Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.3 Install new operations equipment in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.1 Final Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.2 Procure & fabrication of stripline extension parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.3 Receive, Inspection & Handling of Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.4 Assembly of stripline extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.5 Installation of stripline extension & fence	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.1 Final Design Shielding Blocks & Remote Lifting Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.2 Prep Req & Award PO for Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.3 Vendor Fab & Receive Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.4 Prep Req & Award PO for Remote Lifting System Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.5 Receive Remote Lifting System Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.6 Prep Req & Award PO for Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.7 Vendor Fab & Receive Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.8 Installation of Rails, Carriage, T-Block Supports & Shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.1 Final Design of New Chiller Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.2 Prep Req & Award PO for Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.3 Vendor Fab & Receive Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.4 Modify Coil Box & Install Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.5 Install Instrumentation & Read Backs for Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.6 Test & Troubleshoot Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.1 Final Design Forced Air Cooling for Horn 1 Chase Stripli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.2 Prep Req & Award PO for New Stripline Cooling Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.3 Vendor Fab & Receive New Stripline Cooling Components (o	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.4 Horn 1 Stripline Block Assemble (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.1 Procure & Fabricate Additional Chase Temperature Monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.2 Install additional temp monitoring Equip & Readbacks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.1 Procure & Fab Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.2 Install Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.3 Test & Troubleshoot Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.1 Final Design Horn RAW Skid Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.2 Procure Horn 1 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.3 Fabricate/Install Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.4 Test & Troubleshoot Horn 1 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.5 Procure Horn 2 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.6 Fabricate/Install Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.7 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.1 Procure & Fab of Piping Extension Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.2 Installation of piping extension incl Radiography	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.3 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.1 Final Design DP US & DS RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.2 Procure & Fabricate US & DS Decay Pipe RAW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.3 Install Decay Pipe US RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.4 Install Decay Pipe DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.5 Test & Troubleshoot Decay Pipe RAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.1 Final Design Hadron Absorber Skids Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.2 Procure & Fabricate Hadron Absorber skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.3 Install Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.4 Test & Troubleshoot Hadron Absorber Skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.1 Fabricate NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.2 Fabricate NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.3 Fabricate NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.4 Install NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.5 Install NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.6 Install NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.0.3.3.1.2 Vendor Fab & Receive Target hall Operations Space Planning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.1.3 Install new operations equipment in Target Hall	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.1 Final Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.2 Procure & fabrication of stripline extension parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.3 Receive, Inspection & Handling of Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.4 Assembly of stripline extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.1.5 Installation of stripline extension & fence	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.1 Final Design Shielding Blocks & Remote Lifting Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.2 Prep Req & Award PO for Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.3 Vendor Fab & Receive Shielding Blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.4 Prep Req & Award PO for Remote Lifting System Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.5 Receive Remote Lifting System Components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.6 Prep Req & Award PO for Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.7 Vendor Fab & Receive Carriage Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.2.2.8 Installation of Rails, Carriage, T-Block Supports & Shie	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.1 Final Design of New Chiller Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.2 Prep Req & Award PO for Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.3 Vendor Fab & Receive Target Chase Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.4 Modify Coil Box & Install Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.5 Install Instrumentation & Read Backs for Cooling Coils	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.1.6 Test & Troubleshoot Cooling Equip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.1 Final Design Forced Air Cooling for Horn 1 Chase Stripli	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.2 Prep Req & Award PO for New Stripline Cooling Component	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.3 Vendor Fab & Receive New Stripline Cooling Components (o	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.2.4 Horn 1 Stripline Block Assemble (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.1 Procure & Fabricate Additional Chase Temperature Monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.3.3.3.2 Install additional temp monitoring Equip & Readbacks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.1 Procure & Fab Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.2 Install Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.1.3 Test & Troubleshoot Target RAW Instrumentation Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.1 Final Design Horn RAW Skid Upgrades	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.2 Procure Horn 1 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.3 Fabricate/Install Horn 1 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.4 Test & Troubleshoot Horn 1 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.5 Procure Horn 2 RAW Skid Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.6 Fabricate/Install Horn 2 RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.2.7 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.1 Procure & Fab of Piping Extension Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.2 Installation of piping extension incl Radiography	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.3.3 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.1 Final Design DP US & DS RAW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.2 Procure & Fabricate US & DS Decay Pipe RAW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.3 Install Decay Pipe US RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.4 Install Decay Pipe DS RAW skid upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.4.5 Test & Troubleshoot Decay Pipe RAW	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.1 Final Design Hadron Absorber Skids Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.2 Procure & Fabricate Hadron Absorber skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.3 Install Hadron Absorber skids upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.5.4 Test & Troubleshoot Hadron Absorber Skids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.1 Fabricate NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.2 Fabricate NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.3 Fabricate NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.4 Install NuMI target hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.5 Install NuMI absorber hall RAW exchange system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.1.6.6 Install NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.0.3.3.1.2 Vendor Fab & Receive Target hall Operations Space Planning	BCWS	0	0	32,252
2.0.3.3.1.3 Install new operations equipment in Target Hall	BCWS	0	0	30,046
2.0.3.3.2.1.1 Final Assembly Dwgs for Stripline Extension & Stands	BCWS	0	0	44,377
2.0.3.3.2.1.2 Procure & fabrication of stripline extension parts	BCWS	0	0	115,928
2.0.3.3.2.1.3 Receive, Inspection & Handling of Parts	BCWS	0	0	63,503
2.0.3.3.2.1.4 Assembly of stripline extension	BCWS	0	0	71,227
2.0.3.3.2.1.5 Installation of stripline extension & fence	BCWS	0	0	65,965
2.0.3.3.2.2.1 Final Design Shielding Blocks & Remote Lifting Component	BCWS	0	0	68,514
2.0.3.3.2.2.2 Prep Req & Award PO for Shielding Blocks	BCWS	0	0	5,044
2.0.3.3.2.2.3 Vendor Fab & Receive Shielding Blocks	BCWS	0	0	384,616
2.0.3.3.2.2.4 Prep Req & Award PO for Remote Lifting System Component	BCWS	0	0	8,838
2.0.3.3.2.2.5 Receive Remote Lifting System Components	BCWS	0	0	24,477
2.0.3.3.2.2.6 Prep Req & Award PO for Carriage Support	BCWS	0	0	13,660
2.0.3.3.2.2.7 Vendor Fab & Receive Carriage Support	BCWS	0	0	73,953
2.0.3.3.2.2.8 Installation of Rails, Carriage, T-Block Supports & Shie	BCWS	0	0	276,717
2.0.3.3.3.1.1 Final Design of New Chiller Coils	BCWS	0	0	53,303
2.0.3.3.3.1.2 Prep Req & Award PO for Target Chase Cooling Equip	BCWS	0	0	4,300
2.0.3.3.3.1.3 Vendor Fab & Receive Target Chase Cooling Equip	BCWS	0	0	61,388
2.0.3.3.3.1.4 Modify Coil Box & Install Cooling Coils	BCWS	0	0	117,441
2.0.3.3.3.1.5 Install Instrumentation & Read Backs for Cooling Coils	BCWS	0	0	29,005
2.0.3.3.3.1.6 Test & Troubleshoot Cooling Equip	BCWS	0	0	33,247
2.0.3.3.3.2.1 Final Design Forced Air Cooling for Horn 1 Chase Stripli	BCWS	0	0	19,640
2.0.3.3.3.2.2 Prep Req & Award PO for New Stripline Cooling Component	BCWS	0	0	0
2.0.3.3.3.2.3 Vendor Fab & Receive New Stripline Cooling Components (o	BCWS	0	0	0
2.0.3.3.3.2.4 Horn 1 Stripline Block Assemble (obsolete)	BCWS	0	0	0
2.0.3.3.3.3.1 Procure & Fabricate Additional Chase Temperature Monitor	BCWS	0	0	12,328
2.0.3.3.3.3.2 Install additional temp monitoring Equip & Readbacks	BCWS	0	0	41,653
2.0.3.4.1.1.1 Procure & Fab Target RAW Instrumentation Upgrade	BCWS	0	0	16,891
2.0.3.4.1.1.2 Install Target RAW Instrumentation Upgrade	BCWS	0	0	23,547
2.0.3.4.1.1.3 Test & Troubleshoot Target RAW Instrumentation Upgrade	BCWS	0	0	6,812
2.0.3.4.1.2.1 Final Design Horn RAW Skid Upgrades	BCWS	0	0	14,060
2.0.3.4.1.2.2 Procure Horn 1 RAW Skid Upgrade Parts	BCWS	0	0	27,469
2.0.3.4.1.2.3 Fabricate/Install Horn 1 RAW Skid Upgrade	BCWS	0	0	47,065
2.0.3.4.1.2.4 Test & Troubleshoot Horn 1 RAW Skid	BCWS	0	0	12,491
2.0.3.4.1.2.5 Procure Horn 2 RAW Skid Upgrade Parts	BCWS	0	0	27,469
2.0.3.4.1.2.6 Fabricate/Install Horn 2 RAW Skid Upgrade	BCWS	0	0	47,065
2.0.3.4.1.2.7 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	12,491
2.0.3.4.1.3.1 Procure & Fab of Piping Extension Parts	BCWS	0	0	18,178
2.0.3.4.1.3.2 Installation of piping extension incl Radiography	BCWS	0	0	26,849
2.0.3.4.1.3.3 Test & Troubleshoot Horn 2 RAW Skid	BCWS	0	0	8,251
2.0.3.4.1.4.1 Final Design DP US & DS RAW Skid Upgrade	BCWS	0	0	9,521
2.0.3.4.1.4.2 Procure & Fabricate US & DS Decay Pipe RAW Upgrade	BCWS	0	0	18,178
2.0.3.4.1.4.3 Install Decay Pipe US RAW skid upgrade	BCWS	0	0	64,472
2.0.3.4.1.4.4 Install Decay Pipe DS RAW skid upgrade	BCWS	0	0	80,415
2.0.3.4.1.4.5 Test & Troubleshoot Decay Pipe RAW	BCWS	0	0	8,954
2.0.3.4.1.5.1 Final Design Hadron Absorber Skids Upgrade	BCWS	0	0	13,654
2.0.3.4.1.5.2 Procure & Fabricate Hadron Absorber skids	BCWS	0	0	23,325
2.0.3.4.1.5.3 Install Hadron Absorber skids upgrade	BCWS	0	0	53,769
2.0.3.4.1.5.4 Test & Troubleshoot Hadron Absorber Skids	BCWS	0	0	14,903
2.0.3.4.1.6.1 Fabricate NuMI target hall RAW exchange system	BCWS	0	0	52,611
2.0.3.4.1.6.2 Fabricate NuMI absorber hall RAW exchange system	BCWS	0	0	52,611
2.0.3.4.1.6.3 Fabricate NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	51,516
2.0.3.4.1.6.4 Install NuMI target hall RAW exchange system	BCWS	0	0	86,188
2.0.3.4.1.6.5 Install NuMI absorber hall RAW exchange system	BCWS	0	0	86,188
2.0.3.4.1.6.6 Install NuMI target hall RAW-room DI bottle shielding	BCWS	0	0	15,282

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.0.3.4.2.1.1 Final Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.2 NuMI Procure LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.3 NuMI Install LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.4 NuMI Test & Troubleshoot LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.1 Final Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.2 Procure CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.3 Install CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.4 Test & Troubleshoot CUB Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.3.2 Procure NuMI Sump Cooling Water Syst Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.1 Final Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.2 MI-65 Secondary Chilled Water Syst Procure Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.3 MI-65 Secondary Chilled Water Syst Install Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.4 MI-65 Secondary Chilled Water Syst Test & Troubleshoot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.1 Procure Electrical Capacity Upgrades, for 700kW, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.2 Install Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.3 Test & Troubleshoot Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.4 Procure Electrical Capacity Upgrades, for 700kW, Downstrea	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.5 Install Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.6 Test & Troubleshoot Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.1 FY08 Management & Administration	BCWS	0	0	0	0	0	0	74,636	70,966	60,949	0	0
2.0.4.2.2 FY09 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.3 FY10 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.4 FY11 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.5 FY12 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.7 As-built Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.8 FY13 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.10 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	2,450	3,674
2.1.1.1.11 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	2,450	3,674
2.1.1.1.12 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	1,224
2.1.1.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	15,310
2.1.1.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	3,062
2.1.1.1.16 Revise cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	3,062
2.1.1.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	12,248	0	0
2.1.1.1.9 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	19,597	29,395
2.1.1.2.5 Purchase wetland credits	BCWS	0	0	0	0	0	0	0	0	0	0	43,001
2.1.1.4.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.3 Build access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.4 Pave access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.6 Utilities work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.1 Phase 2 preconstruction services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.2 General conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.3 CM Fees	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.4 CM insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.6 Unforseen conditions for Phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.7 Sales Tax - Build Phase - Site Prep Pkg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.8 Tension rock anchors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.9 Change Order 004	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.10 Rock Claim Change 002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.1 Excavate rock	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.2 Construct concrete in rock - phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	5,985	5,985

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.0.3.4.2.1.1 Final Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.2 NuMI Procure LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.3 NuMI Install LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.4 NuMI Test & Troubleshoot LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.1 Final Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.2 Procure CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.3 Install CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.4 Test & Troubleshoot CUB Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.3.2 Procure NuMI Sump Cooling Water Syst Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.1 Final Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.2 MI-65 Secondary Chilled Water Syst Procure Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.3 MI-65 Secondary Chilled Water Syst Install Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.4 MI-65 Secondary Chilled Water Syst Test & Troubleshoot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.1 Procure Electrical Capacity Upgrades, for 700kW, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.2 Install Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.3 Test & Troubleshoot Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.4 Procure Electrical Capacity Upgrades, for 700kW, Downstrea	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.5 Install Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.6 Test & Troubleshoot Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.1 FY08 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.2 FY09 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.3 FY10 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.4 FY11 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.5 FY12 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.7 As-built Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.8 FY13 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.10 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.11 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.12 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.14 Revise drawings	BCWS	15,310	0	0	0	0	0	0	0	0	0	0
2.1.1.1.15 Revise specifications	BCWS	3,062	0	0	0	0	0	0	0	0	0	0
2.1.1.1.16 Revise cost estimate/schedule	BCWS	3,062	0	0	0	0	0	0	0	0	0	0
2.1.1.1.17 Assemble, print, and distribute documents	BCWS	1,224	0	0	0	0	0	0	0	0	0	0
2.1.1.1.19 Finalize documents	BCWS	15,923	0	0	0	0	0	0	0	0	0	0
2.1.1.1.20 Assemble, print, and distribute documents	BCWS	1,224	0	0	0	0	0	0	0	0	0	0
2.1.1.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.9 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.2.5 Purchase wetland credits	BCWS	7,588	0	0	0	0	0	0	0	0	0	0
2.1.1.4.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.3 Build access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.4 Pave access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.6 Utilities work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.1 Phase 2 preconstruction services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.2 General conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.3 CM Fees	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.4 CM insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.6 Unforseen conditions for Phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.7 Sales Tax - Build Phase - Site Prep Pkg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.8 Tension rock anchors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.9 Change Order 004	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.10 Rock Claim Change 002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.1 Excavate rock	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.2 Construct concrete in rock - phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.1 PM Fee (Hines)	BCWS	5,985	6,270	5,985	5,985	6,270	5,985	5,985	6,693	5,238	5,820	5,820

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.0.3.4.2.1.1 Final Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.2 NuMI Procure LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.3 NuMI Install LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.4 NuMI Test & Troubleshoot LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.1 Final Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.2 Procure CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.3 Install CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.4 Test & Troubleshoot CUB Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.3.2 Procure NuMI Sump Cooling Water Syst Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.1 Final Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.2 MI-65 Secondary Chilled Water Syst Procure Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.3 MI-65 Secondary Chilled Water Syst Install Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.4 MI-65 Secondary Chilled Water Syst Test & Troubleshoot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.1 Procure Electrical Capacity Upgrades, for 700kW, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.2 Install Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.3 Test & Troubleshoot Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.4 Procure Electrical Capacity Upgrades, for 700kW, Downstrea	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.5 Install Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.6 Test & Troubleshoot Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.1 FY08 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.2 FY09 Management & Administration	BCWS	67,852	74,637	74,637	67,852	80,679	80,679	77,012	77,012	0	0	0
2.0.4.2.3 FY10 Management & Administration	BCWS	0	0	0	0	0	0	0	0	84,744	73,188	77,040
2.0.4.2.4 FY11 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.5 FY12 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.7 As-built Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.8 FY13 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.10 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.11 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.12 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.16 Revise cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.9 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.2.5 Purchase wetland credits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.2 Mobilize	BCWS	0	0	340,544	0	0	17,734	89,567	0	0	0	0
2.1.1.4.3 Build access road	BCWS	0	0	465,419	1,163,547	0	0	0	0	0	0	0
2.1.1.4.4 Pave access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.6 Utilities work	BCWS	0	0	0	0	0	0	0	0	54,534	64,759	68,167
2.1.1.4.10.1 Phase 2 preconstruction services	BCWS	0	0	0	0	0	0	0	9,188	5,812	0	0
2.1.1.4.10.2 General conditions	BCWS	0	0	0	0	0	0	0	24,471	28,377	24,507	25,797
2.1.1.4.10.3 CM Fees	BCWS	0	0	0	0	0	0	0	10,722	12,434	10,738	11,303
2.1.1.4.10.4 CM insurance	BCWS	0	0	0	0	0	0	0	5,605	6,500	5,613	5,909
2.1.1.4.10.5 Bonds	BCWS	0	0	0	0	0	0	0	3,634	4,213	3,639	3,830
2.1.1.4.10.6 Unforseen conditions for Phase 1	BCWS	0	0	0	0	0	0	0	24,674	28,611	24,710	26,010
2.1.1.4.10.7 Sales Tax - Build Phase - Site Prep Pkg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.8 Tension rock anchors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.9 Change Order 004	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.10 Rock Claim Change 002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.1 Excavate rock	BCWS	0	0	0	0	0	0	0	333,575	515,744	445,416	468,859
2.1.1.4.11.2 Construct concrete in rock - phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.1 PM Fee (Hines)	BCWS	5,820	6,402	1,164	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.0.3.4.2.1.1 Final Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.2 NuMI Procure LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.3 NuMI Install LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.4 NuMI Test & Troubleshoot LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.1 Final Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.2 Procure CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.3 Install CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.4 Test & Troubleshoot CUB Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.3.2 Procure NuMI Sump Cooling Water Syst Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	59,093
2.0.3.4.2.4.1 Final Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.2 MI-65 Secondary Chilled Water Syst Procure Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.3 MI-65 Secondary Chilled Water Syst Install Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.4 MI-65 Secondary Chilled Water Syst Test & Troubleshoot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.1 Procure Electrical Capacity Upgrades, for 700kW, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.2 Install Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.3 Test & Troubleshoot Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.4 Procure Electrical Capacity Upgrades, for 700kW, Downstrea	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.5 Install Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.6 Test & Troubleshoot Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.1 FY08 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.2 FY09 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.3 FY10 Management & Administration	BCWS	73,188	77,040	88,596	84,744	77,040	84,744	80,892	84,744	80,892	0	0
2.0.4.2.4 FY11 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	53,152	50,621
2.0.4.2.5 FY12 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.7 As-built Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.8 FY13 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.10 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.11 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.12 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.16 Revise cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.9 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.2.5 Purchase wetland credits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.3 Build access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.4 Pave access road	BCWS	0	6,773	155,784	149,011	135,465	149,011	142,238	27,093	0	0	0
2.1.1.4.6 Utilities work	BCWS	64,759	68,167	78,392	74,984	68,167	74,984	71,576	74,984	71,576	68,297	0
2.1.1.4.10.1 Phase 2 preconstruction services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.2 General conditions	BCWS	24,507	25,797	29,666	28,377	25,797	28,377	27,087	28,377	27,087	28,567	14,964
2.1.1.4.10.3 CM Fees	BCWS	10,738	11,303	12,999	12,434	11,303	12,434	11,868	12,434	11,868	12,517	6,556
2.1.1.4.10.4 CM insurance	BCWS	5,613	5,909	6,795	6,500	5,909	6,500	6,204	6,500	6,204	6,543	3,427
2.1.1.4.10.5 Bonds	BCWS	3,639	3,830	4,405	4,213	3,830	4,213	4,022	4,213	4,022	4,242	2,222
2.1.1.4.10.6 Unforseen conditions for Phase 1	BCWS	24,710	26,010	29,912	28,611	26,010	28,611	27,311	28,611	27,311	28,803	15,087
2.1.1.4.10.7 Sales Tax - Build Phase - Site Prep Pkg	BCWS	0	0	0	0	105,610	56,867	0	0	0	0	0
2.1.1.4.10.8 Tension rock anchors	BCWS	0	62,308	286,617	274,156	249,232	274,156	0	0	0	0	0
2.1.1.4.10.9 Change Order 004	BCWS	0	0	0	0	57,341	63,075	60,208	63,075	60,208	64,023	60,974
2.1.1.4.10.10 Rock Claim Change 002	BCWS	0	0	0	0	0	0	0	0	0	0	229,212
2.1.1.4.11.1 Excavate rock	BCWS	257,872	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.2 Construct concrete in rock - phase 1	BCWS	0	0	0	0	0	0	591,440	813,230	776,265	818,679	350,862
2.1.1.5.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.0.3.4.2.1.1 Final Design LCW Upgrade	BCWS	0	0	0	0	0	1,387	2,544	694	0	0	0
2.0.3.4.2.1.2 NuMI Procure LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	1,795
2.0.3.4.2.1.3 NuMI Install LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.4 NuMI Test & Troubleshoot LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.1 Final Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	1,387	2,544	694	0	0	0
2.0.3.4.2.2.2 Procure CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	1,795
2.0.3.4.2.2.3 Install CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.4 Test & Troubleshoot CUB Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.3.2 Procure NuMI Sump Cooling Water Syst Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.1 Final Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	1,387	2,544	694	0	0	0
2.0.3.4.2.4.2 MI-65 Secondary Chilled Water Syst Procure Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	2,205
2.0.3.4.2.4.3 MI-65 Secondary Chilled Water Syst Install Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.4 MI-65 Secondary Chilled Water Syst Test & Troubleshoot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.1 Procure Electrical Capacity Upgrades, for 700kW, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	11,785
2.0.3.4.3.2 Install Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.3 Test & Troubleshoot Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.4 Procure Electrical Capacity Upgrades, for 700kW, Downstrea	BCWS	0	0	0	0	0	0	0	0	0	0	17,711
2.0.3.4.3.5 Install Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.6 Test & Troubleshoot Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.1 FY08 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.2 FY09 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.3 FY10 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.4 FY11 Management & Administration	BCWS	50,621	48,090	50,621	58,214	53,152	53,152	55,683	50,621	58,214	53,152	0
2.0.4.2.5 FY12 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	55,882
2.0.4.2.7 As-built Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.8 FY13 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.10 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.11 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.12 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.16 Revise cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.9 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.2.5 Purchase wetland credits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.3 Build access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.4 Pave access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.6 Utilities work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.1 Phase 2 preconstruction services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.2 General conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.3 CM Fees	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.4 CM insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.6 Unforseen conditions for Phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.7 Sales Tax - Build Phase - Site Prep Pkg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.8 Tension rock anchors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.9 Change Order 004	BCWS	60,974	57,925	60,974	64,023	0	0	0	0	0	0	0
2.1.1.4.10.10 Rock Claim Change 002	BCWS	217,751	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.1 Excavate rock	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.2 Construct concrete in rock - phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.0.3.4.2.1.1 Final Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.2 NuMI Procure LCW Upgrade Parts	BCWS	2,111	2,006	2,111	2,217	2,323	2,217	2,111	0	0	0	0
2.0.3.4.2.1.3 NuMI Install LCW Upgrade Parts	BCWS	0	0	0	0	0	0	4,752	28,511	0	0	0
2.0.3.4.2.1.4 NuMI Test & Troubleshoot LCW Upgrade	BCWS	0	0	0	0	0	0	0	9,660	5,367	0	0
2.0.3.4.2.2.1 Final Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.2 Procure CUB Upgrade Parts	BCWS	2,111	2,006	2,111	2,217	2,323	2,217	2,111	0	0	0	0
2.0.3.4.2.2.3 Install CUB Upgrade Parts	BCWS	0	0	0	0	0	0	4,752	28,511	0	0	0
2.0.3.4.2.2.4 Test & Troubleshoot CUB Upgrade	BCWS	0	0	0	0	0	0	0	9,660	5,367	0	0
2.0.3.4.2.3.2 Procure NuMI Sump Cooling Water Syst Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.1 Final Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.2 MI-65 Secondary Chilled Water Syst Procure Skid Upgrade	BCWS	2,594	2,464	2,594	2,724	2,853	2,724	2,594	0	0	0	0
2.0.3.4.2.4.3 MI-65 Secondary Chilled Water Syst Install Skid Upgrade	BCWS	0	0	0	0	0	0	3,946	23,679	0	0	0
2.0.3.4.2.4.4 MI-65 Secondary Chilled Water Syst Test & Troubleshoot	BCWS	0	0	0	0	0	0	0	9,660	5,367	0	0
2.0.3.4.3.1 Procure Electrical Capacity Upgrades, for 700kW, Upstream	BCWS	3,626	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.2 Install Electrical Upgrades, Upstream	BCWS	0	11,095	2,219	0	0	0	0	0	0	0	0
2.0.3.4.3.3 Test & Troubleshoot Electrical Upgrades, Upstream	BCWS	0	0	3,056	0	0	0	0	0	0	0	0
2.0.3.4.3.4 Procure Electrical Capacity Upgrades, for 700kW, Downstrea	BCWS	5,449	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.5 Install Electrical Upgrades, Downstream	BCWS	0	10,666	19,199	0	0	0	0	0	0	0	0
2.0.3.4.3.6 Test & Troubleshoot Electrical Upgrades, Downstream	BCWS	0	0	4,585	0	0	0	0	0	0	0	0
2.0.4.2.1 FY08 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.2 FY09 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.3 FY10 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.4 FY11 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.5 FY12 Management & Administration	BCWS	53,221	50,560	53,221	55,882	58,543	55,882	58,543	55,882	55,882	61,204	50,560
2.0.4.2.7 As-built Documentation	BCWS	0	0	0	0	0	0	0	0	0	15,708	17,556
2.0.4.2.8 FY13 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.10 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.11 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.12 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.16 Revise cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.9 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.2.5 Purchase wetland credits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.3 Build access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.4 Pave access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.6 Utilities work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.1 Phase 2 preconstruction services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.2 General conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.3 CM Fees	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.4 CM insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.6 Unforseen conditions for Phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.7 Sales Tax - Build Phase - Site Prep Pkg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.8 Tension rock anchors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.9 Change Order 004	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.10 Rock Claim Change 002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.1 Excavate rock	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.2 Construct concrete in rock - phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.0.3.4.2.1.1 Final Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.2 NuMI Procure LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.3 NuMI Install LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.4 NuMI Test & Troubleshoot LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.1 Final Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.2 Procure CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.3 Install CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.4 Test & Troubleshoot CUB Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.3.2 Procure NuMI Sump Cooling Water Syst Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.1 Final Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.2 MI-65 Secondary Chilled Water Syst Procure Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.3 MI-65 Secondary Chilled Water Syst Install Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.4 MI-65 Secondary Chilled Water Syst Test & Troubleshoot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.1 Procure Electrical Capacity Upgrades, for 700kW, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.2 Install Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.3 Test & Troubleshoot Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.4 Procure Electrical Capacity Upgrades, for 700kW, Downstrea	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.5 Install Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.6 Test & Troubleshoot Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.1 FY08 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.2 FY09 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.3 FY10 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.4 FY11 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.5 FY12 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.7 As-built Documentation	BCWS	22,273	19,368	17,431	20,336	11,621	0	0	0	0	0	0
2.0.4.2.8 FY13 Management & Administration	BCWS	52,386	45,553	40,998	47,831	45,553	47,831	50,108	50,108	45,553	50,108	50,108
2.1.1.1.10 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.11 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.12 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.16 Revise cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.9 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.2.5 Purchase wetland credits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.3 Build access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.4 Pave access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.6 Utilities work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.1 Phase 2 preconstruction services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.2 General conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.3 CM Fees	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.4 CM insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.6 Unforseen conditions for Phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.7 Sales Tax - Build Phase - Site Prep Pkg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.8 Tension rock anchors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.9 Change Order 004	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.10 Rock Claim Change 002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.1 Excavate rock	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.2 Construct concrete in rock - phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.0.3.4.2.1.1 Final Design LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.2 NuMI Procure LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.3 NuMI Install LCW Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.1.4 NuMI Test & Troubleshoot LCW Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.1 Final Design CUB Chilled Water Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.2 Procure CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.3 Install CUB Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.2.4 Test & Troubleshoot CUB Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.3.2 Procure NuMI Sump Cooling Water Syst Upgrade Parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.1 Final Design Secondary CW Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.2 MI-65 Secondary Chilled Water Syst Procure Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.3 MI-65 Secondary Chilled Water Syst Install Skid Upgrade	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.2.4.4 MI-65 Secondary Chilled Water Syst Test & Troubleshoot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.1 Procure Electrical Capacity Upgrades, for 700kW, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.2 Install Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.3 Test & Troubleshoot Electrical Upgrades, Upstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.4 Procure Electrical Capacity Upgrades, for 700kW, Downstrea	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.5 Install Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.3.4.3.6 Test & Troubleshoot Electrical Upgrades, Downstream	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.1 FY08 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.2 FY09 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.3 FY10 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.4 FY11 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.5 FY12 Management & Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.7 As-built Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.0.4.2.8 FY13 Management & Administration	BCWS	45,553	0	0	0	0	0	0	0	0	0	0
2.1.1.1.10 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.11 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.12 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.16 Revise cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.1.9 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.2.5 Purchase wetland credits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.3 Build access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.4 Pave access road	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.6 Utilities work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.1 Phase 2 preconstruction services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.2 General conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.3 CM Fees	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.4 CM insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.6 Unforseen conditions for Phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.7 Sales Tax - Build Phase - Site Prep Pkg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.8 Tension rock anchors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.9 Change Order 004	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.10.10 Rock Claim Change 002	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.1 Excavate rock	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.4.11.2 Construct concrete in rock - phase 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.0.3.4.2.1.1 Final Design LCW Upgrade	BCWS	0	0	4,625
2.0.3.4.2.1.2 NuMI Procure LCW Upgrade Parts	BCWS	0	0	16,891
2.0.3.4.2.1.3 NuMI Install LCW Upgrade Parts	BCWS	0	0	33,263
2.0.3.4.2.1.4 NuMI Test & Troubleshoot LCW Upgrade	BCWS	0	0	15,026
2.0.3.4.2.2.1 Final Design CUB Chilled Water Upgrade	BCWS	0	0	4,625
2.0.3.4.2.2.2 Procure CUB Upgrade Parts	BCWS	0	0	16,891
2.0.3.4.2.2.3 Install CUB Upgrade Parts	BCWS	0	0	33,263
2.0.3.4.2.2.4 Test & Troubleshoot CUB Upgrade	BCWS	0	0	15,026
2.0.3.4.2.3.2 Procure NuMI Sump Cooling Water Syst Upgrade Parts	BCWS	0	0	59,093
2.0.3.4.2.4.1 Final Design Secondary CW Skid Upgrade	BCWS	0	0	4,625
2.0.3.4.2.4.2 MI-65 Secondary Chilled Water Syst Procure Skid Upgrade	BCWS	0	0	20,751
2.0.3.4.2.4.3 MI-65 Secondary Chilled Water Syst Install Skid Upgrade	BCWS	0	0	27,625
2.0.3.4.2.4.4 MI-65 Secondary Chilled Water Syst Test & Troubleshoot	BCWS	0	0	15,026
2.0.3.4.3.1 Procure Electrical Capacity Upgrades, for 700kW, Upstream	BCWS	0	0	15,411
2.0.3.4.3.2 Install Electrical Upgrades, Upstream	BCWS	0	0	13,314
2.0.3.4.3.3 Test & Troubleshoot Electrical Upgrades, Upstream	BCWS	0	0	3,056
2.0.3.4.3.4 Procure Electrical Capacity Upgrades, for 700kW, Downstrea	BCWS	0	0	23,160
2.0.3.4.3.5 Install Electrical Upgrades, Downstream	BCWS	0	0	29,865
2.0.3.4.3.6 Test & Troubleshoot Electrical Upgrades, Downstream	BCWS	0	0	4,585
2.0.4.2.1 FY08 Management & Administration	BCWS	0	0	206,551
2.0.4.2.2 FY09 Management & Administration	BCWS	0	0	600,361
2.0.4.2.3 FY10 Management & Administration	BCWS	0	0	966,854
2.0.4.2.4 FY11 Management & Administration	BCWS	0	0	635,288
2.0.4.2.5 FY12 Management & Administration	BCWS	0	0	665,259
2.0.4.2.7 As-built Documentation	BCWS	0	0	124,292
2.0.4.2.8 FY13 Management & Administration	BCWS	0	0	571,692
2.1.1.1.10 Prepare specifications	BCWS	0	0	6,124
2.1.1.1.11 Prepare cost estimate/schedule	BCWS	0	0	6,124
2.1.1.1.12 Assemble, print, and distribute documents	BCWS	0	0	1,224
2.1.1.1.14 Revise drawings	BCWS	0	0	30,620
2.1.1.1.15 Revise specifications	BCWS	0	0	6,124
2.1.1.1.16 Revise cost estimate/schedule	BCWS	0	0	6,124
2.1.1.1.17 Assemble, print, and distribute documents	BCWS	0	0	1,224
2.1.1.1.19 Finalize documents	BCWS	0	0	15,923
2.1.1.1.20 Assemble, print, and distribute documents	BCWS	0	0	1,224
2.1.1.1.8 Hold kickoff meeting	BCWS	0	0	12,248
2.1.1.1.9 Prepare drawings	BCWS	0	0	48,992
2.1.1.2.5 Purchase wetland credits	BCWS	0	0	50,589
2.1.1.4.2 Mobilize	BCWS	0	0	447,845
2.1.1.4.3 Build access road	BCWS	0	0	1,628,965
2.1.1.4.4 Pave access road	BCWS	0	0	765,375
2.1.1.4.6 Utilities work	BCWS	0	0	903,346
2.1.1.4.10.1 Phase 2 preconstruction services	BCWS	0	0	15,000
2.1.1.4.10.2 General conditions	BCWS	0	0	391,753
2.1.1.4.10.3 CM Fees	BCWS	0	0	171,652
2.1.1.4.10.4 CM insurance	BCWS	0	0	89,730
2.1.1.4.10.5 Bonds	BCWS	0	0	58,168
2.1.1.4.10.6 Unforseen conditions for Phase 1	BCWS	0	0	394,990
2.1.1.4.10.7 Sales Tax - Build Phase - Site Prep Pkg	BCWS	0	0	162,477
2.1.1.4.10.8 Tension rock anchors	BCWS	0	0	1,146,469
2.1.1.4.10.9 Change Order 004	BCWS	0	0	672,800
2.1.1.4.10.10 Rock Claim Change 002	BCWS	0	0	446,963
2.1.1.4.11.1 Excavate rock	BCWS	0	0	2,021,466
2.1.1.4.11.2 Construct concrete in rock - phase 1	BCWS	0	0	3,350,477
2.1.1.5.1.1 PM Fee (Hines)	BCWS	0	0	91,397

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.1.1.5.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	1,436	1,436
2.1.1.5.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	2,940	2,940
2.1.1.5.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	3,675	3,675
2.1.1.5.2.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.3 Supplemental A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.16 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	12,457	0	0
2.1.2.3.1.8 Install roof membrane (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.2.12.8 Install movable access platforms (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.4 UMN Administrative Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.1 Independent fire protection review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.2 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.3 Resident engineer support - oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.10 Structural Steel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.11 Service Building Shell	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.12 Detector Enclosure/Assembly Area Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.13 Service Building Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.14 Detector Enclosure/Assembly Area Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.15 Service Building Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.16 Detector Enclosure/Assembly Area Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.17 Service Building Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.18 Conveying Equipment - Elevators, Access Platform, & OH Cran	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.19 Site Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.20 Utility Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.1 General Conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.2 CM Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.3 Contingency	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.4 CM Insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.6 Sales Tax - Build Phase II - Far Detector Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.7 Storage and handling fees for advanced procurements - Far	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.8 Change Order 006	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.3 Construct Concrete Footings & Slabs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.4 Construct Concrete Above Rock - walls & decks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.5 Construct Roof Structure for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.1.1.5.1.2 UMN Fee	BCWS	1,436	1,505	1,436	1,436	1,505	1,436	1,436	1,606	1,257	1,397	1,397
2.1.1.5.1.3.1 Fermilab Management	BCWS	2,940	3,080	2,940	2,940	3,080	2,940	2,940	3,375	2,641	2,935	2,935
2.1.1.5.1.3.2 FESS Engineering	BCWS	3,675	3,850	3,675	3,675	3,850	3,675	3,675	4,219	3,302	3,668	3,668
2.1.1.5.2.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.3 Supplemental A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.16 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.1.8 Install roof membrane (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.2.12.8 Install movable access platforms (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.4 UMN Administrative Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.1 Independent fire protection review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.2 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.3 Resident engineer support - oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.10 Structural Steel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.11 Service Building Shell	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.12 Detector Enclosure/Assembly Area Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.13 Service Building Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.14 Detector Enclosure/Assembly Area Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.15 Service Building Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.16 Detector Enclosure/Assembly Area Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.17 Service Building Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.18 Conveying Equipment - Elevators, Access Platform, & OH Cran	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.19 Site Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.20 Utility Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.1 General Conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.2 CM Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.3 Contingency	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.4 CM Insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.6 Sales Tax - Build Phase II - Far Detector Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.7 Storage and handling fees for advanced procurements - Far	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.8 Change Order 006	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.3 Construct Concrete Footings & Slabs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.4 Construct Concrete Above Rock - walls & decks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.5 Construct Roof Structure for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.1.1.5.1.2 UMN Fee	BCWS	1,397	1,537	279	0	0	0	0	0	0	0	0
2.1.1.5.1.3.1 Fermilab Management	BCWS	2,935	3,228	587	0	0	0	0	0	0	0	0
2.1.1.5.1.3.2 FESS Engineering	BCWS	3,668	4,035	734	0	0	0	0	0	0	0	0
2.1.1.5.2.1.1 PM Fee (Hines)	BCWS	0	0	22,210	24,678	0	0	0	0	0	0	0
2.1.1.5.2.1.2 UMN Fee	BCWS	0	0	6,219	6,910	0	0	0	1,610	14,395	12,431	13,085
2.1.1.5.2.1.3.1 Office support	BCWS	0	0	22,200	24,669	0	0	0	0	0	8,473	17,601
2.1.1.5.2.1.3.2 Resident engineer support	BCWS	0	0	58,232	64,702	0	0	0	0	0	0	0
2.1.1.5.2.1.3.3 Supplemental A/E Support	BCWS	0	0	0	0	0	0	0	0	0	17,935	18,879
2.1.1.5.2.2.1 Fermilab Management	BCWS	0	0	16,798	18,665	0	0	0	0	0	0	0
2.1.1.5.2.2.2 FESS Engineering	BCWS	0	0	20,998	23,331	0	0	0	0	0	0	353
2.1.2.1.14 Revise drawings	BCWS	0	0	0	0	335,231	194,081	0	0	0	0	0
2.1.2.1.15 Revise specifications	BCWS	0	0	0	0	40,280	2,120	0	0	0	0	0
2.1.2.1.16 Revise cost estimate	BCWS	0	0	0	0	40,280	2,120	0	0	0	0	0
2.1.2.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	8,479	0	0	0	0	0
2.1.2.1.19 Finalize documents	BCWS	0	0	0	0	0	89,886	359,543	0	0	0	0
2.1.2.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	8,479	0	0	0	0
2.1.2.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.1.8 Install roof membrane (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.2.12.8 Install movable access platforms (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.1 PM Fee (Hines)	BCWS	25,847	28,431	28,431	25,847	28,431	28,431	27,139	27,139	29,028	14,514	0
2.1.2.4.1.2 UMN Fee	BCWS	6,203	6,824	6,824	6,203	6,824	6,824	6,513	6,513	6,967	3,483	0
2.1.2.4.1.3.1 Fermilab Management	BCWS	22,986	25,285	25,285	22,986	29,813	29,813	28,458	28,458	31,244	15,622	0
2.1.2.4.1.3.2 FESS Engineering	BCWS	28,733	31,606	31,606	28,733	37,267	37,267	35,573	35,573	39,055	19,527	0
2.1.2.4.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	12,372	21,370	22,495
2.1.2.4.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	16,642	28,745	30,258
2.1.2.4.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	8,309	14,352	15,108
2.1.2.4.2.1.4 UMN Administrative Support	BCWS	0	0	0	0	0	0	0	0	1,829	1,580	1,663
2.1.2.4.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	10,819	18,688	19,671
2.1.2.4.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	16,229	28,032	29,507
2.1.2.4.2.2.3.1 Independent fire protection review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.2 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.3 Resident engineer support - oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.10 Structural Steel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.11 Service Building Shell	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.12 Detector Enclosure/Assembly Area Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.13 Service Building Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.14 Detector Enclosure/Assembly Area Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.15 Service Building Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.16 Detector Enclosure/Assembly Area Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.17 Service Building Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.18 Conveying Equipment - Elevators, Access Platform, & OH Cran	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.19 Site Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	12,623	21,803	22,951
2.1.2.5.20 Utility Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.1 General Conditions	BCWS	0	0	0	0	0	0	0	0	20,839	35,994	37,889
2.1.2.5.24.2 CM Fee	BCWS	0	0	0	0	0	0	0	0	9,982	17,242	18,149
2.1.2.5.24.3 Contingency	BCWS	0	0	0	0	0	0	0	0	15,972	27,589	29,041
2.1.2.5.24.4 CM Insurance	BCWS	0	0	0	0	0	0	0	0	6,583	11,371	11,969
2.1.2.5.24.5 Bonds	BCWS	0	0	0	0	0	0	0	0	4,005	6,917	7,281
2.1.2.5.24.6 Sales Tax - Build Phase II - Far Detector Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.7 Storage and handling fees for advanced procurements - Far	BCWS	0	0	0	0	0	0	0	0	13,509	11,667	12,281
2.1.2.5.24.8 Change Order 006	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.3 Construct Concrete Footings & Slabs	BCWS	0	0	0	0	0	0	0	0	0	0	5,390
2.1.2.5.4 Construct Concrete Above Rock - walls & decks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.5 Construct Roof Structure for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.1.1.5.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.2 UMN Fee	BCWS	12,431	13,086	15,049	14,395	13,085	14,395	13,740	14,395	13,739	14,029	7,348
2.1.1.5.2.1.3.1 Office support	BCWS	16,721	17,601	20,242	19,362	17,601	19,362	18,481	19,362	18,481	18,870	9,885
2.1.1.5.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	4,201	4,935
2.1.1.5.2.1.3.3 Supplemental A/E Support	BCWS	17,935	18,879	21,710	20,766	18,879	20,766	19,822	20,766	19,822	20,239	10,602
2.1.1.5.2.2.1 Fermilab Management	BCWS	1,219	7,832	9,060	8,599	7,832	8,599	8,292	8,599	8,292	8,017	4,157
2.1.1.5.2.2.2 FESS Engineering	BCWS	11,210	11,824	13,513	12,899	11,824	12,899	12,438	12,899	12,438	12,026	6,236
2.1.2.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.16 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.1.8 Install roof membrane (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.2.12.8 Install movable access platforms (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.2 UMN Fee	BCWS	21,370	22,495	25,869	24,744	22,495	24,744	23,620	24,744	23,620	24,381	23,220
2.1.2.4.2.1.3.1 Office support	BCWS	28,745	30,258	34,797	33,284	30,258	0	0	0	0	0	0
2.1.2.4.2.1.3.2 Resident engineer support	BCWS	14,352	15,108	17,374	16,618	15,108	0	0	0	0	0	0
2.1.2.4.2.1.4 UMN Administrative Support	BCWS	1,580	1,663	1,912	1,829	1,663	1,829	1,746	1,829	1,746	0	0
2.1.2.4.2.2.1 Fermilab Management	BCWS	18,688	19,671	22,622	21,638	19,671	21,638	20,655	21,638	20,655	20,190	19,229
2.1.2.4.2.2.2 FESS Engineering	BCWS	28,032	29,507	33,933	32,458	29,507	32,458	30,983	32,458	30,983	30,285	28,843
2.1.2.4.2.2.3.1 Independent fire protection review	BCWS	0	0	0	0	0	0	7,072	7,409	7,072	7,361	7,011
2.1.2.4.2.2.3.2 Office support	BCWS	0	0	0	0	0	0	37,045	38,809	37,045	38,556	36,720
2.1.2.4.2.2.3.3 Resident engineer support - oversight	BCWS	0	0	0	0	0	0	42,599	44,627	42,599	44,064	41,966
2.1.2.5.10 Structural Steel	BCWS	544,798	544,798	0	0	0	0	0	0	0	0	0
2.1.2.5.11 Service Building Shell	BCWS	380,200	400,211	460,243	240,127	0	0	0	0	0	0	0
2.1.2.5.12 Detector Enclosure/Assembly Area Electrical	BCWS	0	0	0	0	0	37,451	52,431	54,928	52,431	56,023	53,356
2.1.2.5.13 Service Building Electrical	BCWS	36,049	45,062	51,821	49,568	45,062	49,568	47,315	49,568	47,315	49,900	47,524
2.1.2.5.14 Detector Enclosure/Assembly Area Mechanical	BCWS	0	0	0	45,049	40,954	45,049	43,002	45,049	43,002	45,879	43,694
2.1.2.5.15 Service Building Mechanical	BCWS	129,169	135,968	156,363	149,564	135,968	149,564	20,395	0	0	0	0
2.1.2.5.16 Detector Enclosure/Assembly Area Fire Protection	BCWS	0	0	0	0	0	0	0	0	129,401	152,273	145,022
2.1.2.5.17 Service Building Fire Protection	BCWS	0	0	0	0	0	0	0	0	94,407	192,239	183,085
2.1.2.5.18 Conveying Equipment - Elevators, Access Platform, & OH Cran	BCWS	0	0	0	0	155,640	171,204	163,422	171,204	163,422	172,351	164,144
2.1.2.5.19 Site Work at Building	BCWS	0	0	0	0	0	0	0	0	0	217,074	310,105
2.1.2.5.2 Mobilize	BCWS	21,803	22,951	26,393	25,246	22,951	25,246	13,770	0	0	0	0
2.1.2.5.20 Utility Work at Building	BCWS	0	0	5,944	16,346	14,860	16,346	15,603	16,346	15,603	16,456	13,321
2.1.2.5.24.1 General Conditions	BCWS	35,994	37,889	43,572	41,678	37,889	41,678	39,783	41,678	39,783	42,418	40,398
2.1.2.5.24.2 CM Fee	BCWS	17,242	18,149	20,872	19,964	18,149	19,964	19,057	19,964	19,057	20,319	19,351
2.1.2.5.24.3 Contingency	BCWS	27,589	29,041	33,397	31,945	29,041	31,945	30,493	31,945	30,493	32,512	30,964
2.1.2.5.24.4 CM Insurance	BCWS	11,371	11,969	13,765	13,166	11,969	13,166	12,568	13,166	12,568	13,400	12,762
2.1.2.5.24.5 Bonds	BCWS	6,917	7,281	8,373	8,009	7,281	8,009	7,645	8,009	7,645	8,152	7,763
2.1.2.5.24.6 Sales Tax - Build Phase II - Far Detector Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	256,423
2.1.2.5.24.7 Storage and handling fees for advanced procurements - Far	BCWS	11,667	12,281	14,123	0	0	0	0	0	0	0	0
2.1.2.5.24.8 Change Order 006	BCWS	0	0	0	0	0	0	0	0	0	7,784	31,137
2.1.2.5.3 Construct Concrete Footings & Slabs	BCWS	20,481	21,558	24,792	23,714	21,558	23,714	22,636	23,714	22,636	23,873	22,736
2.1.2.5.4 Construct Concrete Above Rock - walls & decks	BCWS	0	0	0	0	0	20,314	426,585	446,899	426,585	449,893	364,199
2.1.2.5.5 Construct Roof Structure for Detector Enclosure	BCWS	0	0	0	0	0	0	0	554,826	613,229	184,781	0

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2.1.1.5.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.3 Supplemental A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.16 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.1.8 Install roof membrane (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.2.12.8 Install movable access platforms (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.2 UMN Fee	BCWS	23,220	22,059	12,771	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.4 UMN Administrative Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.1 Fermilab Management	BCWS	19,229	18,267	10,576	0	0	0	0	0	0	0	0
2.1.2.4.2.2.2 FESS Engineering	BCWS	28,843	27,401	15,864	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.1 Independent fire protection review	BCWS	7,011	6,660	7,011	8,062	3,856	0	0	0	0	0	0
2.1.2.4.2.2.3.2 Office support	BCWS	36,720	34,884	36,720	42,228	20,196	0	0	0	0	0	0
2.1.2.4.2.2.3.3 Resident engineer support - oversight	BCWS	41,966	39,868	41,966	48,261	23,081	0	0	0	0	0	0
2.1.2.5.10 Structural Steel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.11 Service Building Shell	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.12 Detector Enclosure/Assembly Area Electrical	BCWS	53,356	40,017	0	0	0	0	0	0	0	0	0
2.1.2.5.13 Service Building Electrical	BCWS	45,147	0	0	0	0	0	0	0	0	0	0
2.1.2.5.14 Detector Enclosure/Assembly Area Mechanical	BCWS	43,694	41,509	13,108	0	0	0	0	0	0	0	0
2.1.2.5.15 Service Building Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.16 Detector Enclosure/Assembly Area Fire Protection	BCWS	145,022	137,771	145,022	36,255	0	0	0	0	0	0	0
2.1.2.5.17 Service Building Fire Protection	BCWS	183,085	173,931	73,234	0	0	0	0	0	0	0	0
2.1.2.5.18 Conveying Equipment - Elevators, Access Platform, & OH Cran	BCWS	106,694	0	0	0	0	0	0	0	0	0	0
2.1.2.5.19 Site Work at Building	BCWS	310,105	294,600	62,021	0	0	0	0	0	0	0	0
2.1.2.5.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.20 Utility Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.1 General Conditions	BCWS	40,398	38,378	22,219	0	0	0	0	0	0	0	0
2.1.2.5.24.2 CM Fee	BCWS	19,351	18,384	10,643	0	0	0	0	0	0	0	0
2.1.2.5.24.3 Contingency	BCWS	30,964	29,416	17,030	0	0	0	0	0	0	0	0
2.1.2.5.24.4 CM Insurance	BCWS	12,762	12,124	7,019	0	0	0	0	0	0	0	0
2.1.2.5.24.5 Bonds	BCWS	7,763	7,375	4,270	0	0	0	0	0	0	0	0
2.1.2.5.24.6 Sales Tax - Build Phase II - Far Detector Bldg	BCWS	476,215	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.7 Storage and handling fees for advanced procurements - Far	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.8 Change Order 006	BCWS	31,137	29,580	31,137	35,808	0	0	0	0	0	0	0
2.1.2.5.3 Construct Concrete Footings & Slabs	BCWS	18,189	0	0	0	0	0	0	0	0	0	0
2.1.2.5.4 Construct Concrete Above Rock - walls & decks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.5 Construct Roof Structure for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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2.1.1.5.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.3 Supplemental A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.16 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.1.8 Install roof membrane (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.2.12.8 Install movable access platforms (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.4 UMN Administrative Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.1 Independent fire protection review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.2 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.3 Resident engineer support - oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.10 Structural Steel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.11 Service Building Shell	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.12 Detector Enclosure/Assembly Area Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.13 Service Building Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.14 Detector Enclosure/Assembly Area Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.15 Service Building Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.16 Detector Enclosure/Assembly Area Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.17 Service Building Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.18 Conveying Equipment - Elevators, Access Platform, & OH Cran	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.19 Site Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.20 Utility Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.1 General Conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.2 CM Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.3 Contingency	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.4 CM Insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.6 Sales Tax - Build Phase II - Far Detector Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.7 Storage and handling fees for advanced procurements - Far	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.8 Change Order 006	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.3 Construct Concrete Footings & Slabs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.4 Construct Concrete Above Rock - walls & decks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.5 Construct Roof Structure for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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2.1.1.5.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.3 Supplemental A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.16 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.1.8 Install roof membrane (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.2.12.8 Install movable access platforms (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.4 UMN Administrative Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.1 Independent fire protection review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.2 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.3 Resident engineer support - oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.10 Structural Steel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.11 Service Building Shell	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.12 Detector Enclosure/Assembly Area Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.13 Service Building Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.14 Detector Enclosure/Assembly Area Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.15 Service Building Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.16 Detector Enclosure/Assembly Area Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.17 Service Building Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.18 Conveying Equipment - Elevators, Access Platform, & OH Cran	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.19 Site Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.20 Utility Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.1 General Conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.2 CM Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.3 Contingency	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.4 CM Insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.6 Sales Tax - Build Phase II - Far Detector Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.7 Storage and handling fees for advanced procurements - Far	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.8 Change Order 006	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.3 Construct Concrete Footings & Slabs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.4 Construct Concrete Above Rock - walls & decks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.5 Construct Roof Structure for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.1.1.5.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.1.3.3 Supplemental A/E Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.1.5.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.14 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.15 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.16 Revise cost estimate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.17 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.19 Finalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.20 Assemble, print, and distribute documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.1.8 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.1.8 Install roof membrane (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.3.2.12.8 Install movable access platforms (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.1 PM Fee (Hines)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.1.3.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.2 UMN Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.1 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.3.2 Resident engineer support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.1.4 UMN Administrative Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.1 Fermilab Management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.2 FESS Engineering	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.1 Independent fire protection review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.2 Office support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.4.2.2.3.3 Resident engineer support - oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.10 Structural Steel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.11 Service Building Shell	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.12 Detector Enclosure/Assembly Area Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.13 Service Building Electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.14 Detector Enclosure/Assembly Area Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.15 Service Building Mechanical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.16 Detector Enclosure/Assembly Area Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.17 Service Building Fire Protection	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.18 Conveying Equipment - Elevators, Access Platform, & OH Cran	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.19 Site Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.2 Mobilize	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.20 Utility Work at Building	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.1 General Conditions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.2 CM Fee	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.3 Contingency	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.4 CM Insurance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.5 Bonds	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.6 Sales Tax - Build Phase II - Far Detector Bldg	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.7 Storage and handling fees for advanced procurements - Far	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.24.8 Change Order 006	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.3 Construct Concrete Footings & Slabs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.4 Construct Concrete Above Rock - walls & decks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.5 Construct Roof Structure for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.1.1.5.1.2 UMN Fee	BCWS	0	0	21,935
2.1.1.5.1.3.1 Fermilab Management	BCWS	0	0	45,378
2.1.1.5.1.3.2 FESS Engineering	BCWS	0	0	56,723
2.1.1.5.2.1.1 PM Fee (Hines)	BCWS	0	0	46,888
2.1.1.5.2.1.2 UMN Fee	BCWS	0	0	200,342
2.1.1.5.2.1.3.1 Office support	BCWS	0	0	268,912
2.1.1.5.2.1.3.2 Resident engineer support	BCWS	0	0	132,070
2.1.1.5.2.1.3.3 Supplemental A/E Support	BCWS	0	0	247,000
2.1.1.5.2.2.1 Fermilab Management	BCWS	0	0	115,962
2.1.1.5.2.2.2 FESS Engineering	BCWS	0	0	174,888
2.1.2.1.14 Revise drawings	BCWS	0	0	529,312
2.1.2.1.15 Revise specifications	BCWS	0	0	42,399
2.1.2.1.16 Revise cost estimate	BCWS	0	0	42,399
2.1.2.1.17 Assemble, print, and distribute documents	BCWS	0	0	8,479
2.1.2.1.19 Finalize documents	BCWS	0	0	449,429
2.1.2.1.20 Assemble, print, and distribute documents	BCWS	0	0	8,479
2.1.2.1.8 Hold kickoff meeting	BCWS	0	0	12,457
2.1.2.3.1.8 Install roof membrane (OBSOLETE)	BCWS	0	0	0
2.1.2.3.2.12.8 Install movable access platforms (OBSOLETE)	BCWS	0	0	0
2.1.2.4.1.1 PM Fee (Hines)	BCWS	0	0	263,239
2.1.2.4.1.2 UMN Fee	BCWS	0	0	63,178
2.1.2.4.1.3.1 Fermilab Management	BCWS	0	0	259,951
2.1.2.4.1.3.2 FESS Engineering	BCWS	0	0	324,939
2.1.2.4.2.1.2 UMN Fee	BCWS	0	0	375,591
2.1.2.4.2.1.3.1 Office support	BCWS	0	0	232,987
2.1.2.4.2.1.3.2 Resident engineer support	BCWS	0	0	116,329
2.1.2.4.2.1.4 UMN Administrative Support	BCWS	0	0	20,869
2.1.2.4.2.2.1 Fermilab Management	BCWS	0	0	323,545
2.1.2.4.2.2.2 FESS Engineering	BCWS	0	0	485,325
2.1.2.4.2.2.3.1 Independent fire protection review	BCWS	0	0	68,525
2.1.2.4.2.2.3.2 Office support	BCWS	0	0	358,922
2.1.2.4.2.2.3.3 Resident engineer support - oversight	BCWS	0	0	410,996
2.1.2.5.10 Structural Steel	BCWS	0	0	1,089,596
2.1.2.5.11 Service Building Shell	BCWS	0	0	1,480,781
2.1.2.5.12 Detector Enclosure/Assembly Area Electrical	BCWS	0	0	399,992
2.1.2.5.13 Service Building Electrical	BCWS	0	0	563,897
2.1.2.5.14 Detector Enclosure/Assembly Area Mechanical	BCWS	0	0	449,990
2.1.2.5.15 Service Building Mechanical	BCWS	0	0	876,991
2.1.2.5.16 Detector Enclosure/Assembly Area Fire Protection	BCWS	0	0	890,765
2.1.2.5.17 Service Building Fire Protection	BCWS	0	0	899,982
2.1.2.5.18 Conveying Equipment - Elevators, Access Platform, & OH Cran	BCWS	0	0	1,268,081
2.1.2.5.19 Site Work at Building	BCWS	0	0	1,193,906
2.1.2.5.2 Mobilize	BCWS	0	0	215,737
2.1.2.5.20 Utility Work at Building	BCWS	0	0	130,828
2.1.2.5.24.1 General Conditions	BCWS	0	0	638,475
2.1.2.5.24.2 CM Fee	BCWS	0	0	305,839
2.1.2.5.24.3 Contingency	BCWS	0	0	489,376
2.1.2.5.24.4 CM Insurance	BCWS	0	0	201,700
2.1.2.5.24.5 Bonds	BCWS	0	0	122,697
2.1.2.5.24.6 Sales Tax - Build Phase II - Far Detector Bldg	BCWS	0	0	732,638
2.1.2.5.24.7 Storage and handling fees for advanced procurements - Far	BCWS	0	0	75,528
2.1.2.5.24.8 Change Order 006	BCWS	0	0	166,584
2.1.2.5.3 Construct Concrete Footings & Slabs	BCWS	0	0	274,994
2.1.2.5.4 Construct Concrete Above Rock - walls & decks	BCWS	0	0	2,134,475
2.1.2.5.5 Construct Roof Structure for Detector Enclosure	BCWS	0	0	1,352,836

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.1.2.5.6 Install Roof Membrane for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.7 Install Shielding for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.9 Service Building Foundations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.1 Road and utility permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.2 UMN site prep permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.3 UMN far detector building permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.6 Interim Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.7 3rd Party Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.8 Commissioning Agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.1 Prepare request for proposal memo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.17 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.2 Issue RFP to A/E firm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.20 FInalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.4 Review received proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.5 Prepare requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.6 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.1 Complete rough-ins	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.2 Complete trim-outs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.1 Draft curtains at assembly area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.2 Draft curtain at adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.1 Complete base	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.2 Complete ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.3 Complete grating	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.4 Complete test and balance - adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.1 Complete ductwork extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.2 Complete below-platform ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.3 Complete test and balance - block pivoter HVAC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.1 Complete concrete pad	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.2 Complete concrete approach apron	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.3 Extend electrical to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.4 Extend communication to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.1 Install flatness devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.2 Survey and verify flatness	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.1 Remove existing fixed-access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.2 Modify existing stairs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.3 Adjust existing sprinkler system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.4 Adjust existing lighting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.5 Install block pivoter access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.6 Test and commission block pivoter access system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.1 Install video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.1.2.5.6 Install Roof Membrane for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.7 Install Shielding for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.9 Service Building Foundations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.1 Road and utility permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.2 UMN site prep permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.3 UMN far detector building permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.6 Interim Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.7 3rd Party Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.8 Commissioning Agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.1 Prepare request for proposal memo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.17 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.2 Issue RFP to A/E firm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.20 FInalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.4 Review received proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.5 Prepare requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.6 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.1 Complete rough-ins	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.2 Complete trim-outs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.1 Draft curtains at assembly area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.2 Draft curtain at adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.1 Complete base	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.2 Complete ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.3 Complete grating	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.4 Complete test and balance - adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.1 Complete ductwork extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.2 Complete below-platform ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.3 Complete test and balance - block pivoter HVAC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.1 Complete concrete pad	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.2 Complete concrete approach apron	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.3 Extend electrical to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.4 Extend communication to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.1 Install flatness devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.2 Survey and verify flatness	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.1 Remove existing fixed-access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.2 Modify existing stairs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.3 Adjust existing sprinkler system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.4 Adjust existing lighting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.5 Install block pivoter access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.6 Test and commission block pivoter access system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.1 Install video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.1.2.5.6 Install Roof Membrane for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.7 Install Shielding for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.9 Service Building Foundations	BCWS	0	0	0	0	0	0	0	0	0	0	58,998
2.1.4.1.1 Road and utility permits	BCWS	0	0	15,653	15,653	0	0	0	16,435	15,182	0	0
2.1.4.1.2 UMN site prep permits	BCWS	0	0	0	0	82,381	0	0	0	0	0	0
2.1.4.1.3 UMN far detector building permits	BCWS	0	0	0	0	131,067	0	0	0	0	0	0
2.1.4.4.6 Interim Testing Services	BCWS	0	0	0	0	0	0	0	6,404	3,596	0	0
2.1.4.4.7 3rd Party Testing Services	BCWS	0	0	0	0	0	0	0	0	5,600	9,673	10,182
2.1.4.4.8 Commissioning Agent	BCWS	0	0	0	0	0	0	0	0	3,294	5,690	5,989
2.1.5.1.1 Prepare request for proposal memo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.17 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.2 Issue RFP to A/E firm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.20 FInalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.4 Review received proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.5 Prepare requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.6 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.1 Complete rough-ins	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.2 Complete trim-outs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.1 Draft curtains at assembly area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.2 Draft curtain at adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.1 Complete base	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.2 Complete ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.3 Complete grating	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.4 Complete test and balance - adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.1 Complete ductwork extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.2 Complete below-platform ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.3 Complete test and balance - block pivoter HVAC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.1 Complete concrete pad	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.2 Complete concrete approach apron	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.3 Extend electrical to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.4 Extend communication to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.1 Install flatness devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.2 Survey and verify flatness	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.1 Remove existing fixed-access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.2 Modify existing stairs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.3 Adjust existing sprinkler system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.4 Adjust existing lighting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.5 Install block pivoter access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.6 Test and commission block pivoter access system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.1 Install video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.1.2.5.6 Install Roof Membrane for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	324,919	274,931
2.1.2.5.7 Install Shielding for Detector Enclosure	BCWS	0	0	27,704	50,790	46,173	50,790	48,481	50,790	48,481	51,130	48,695
2.1.2.5.9 Service Building Foundations	BCWS	58,998	0	0	0	0	0	0	0	0	0	0
2.1.4.1.1 Road and utility permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.2 UMN site prep permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.3 UMN far detector building permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.6 Interim Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.7 3rd Party Testing Services	BCWS	9,673	10,182	11,709	11,200	10,182	11,200	10,691	11,200	10,691	11,035	10,510
2.1.4.4.8 Commissioning Agent	BCWS	5,690	5,989	6,888	6,588	5,989	6,588	6,289	6,588	6,289	6,491	6,182
2.1.5.1.1 Prepare request for proposal memo	BCWS	0	0	0	0	0	0	0	0	614	0	0
2.1.5.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	45,761	0	0
2.1.5.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	9,152	61,457	0
2.1.5.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	1,648	11,015	0
2.1.5.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	5,909	0
2.1.5.1.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	831	356
2.1.5.1.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	70,912
2.1.5.1.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	11,818
2.1.5.1.17 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	23,637
2.1.5.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	5,909
2.1.5.1.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	1,188
2.1.5.1.2 Issue RFP to A/E firm	BCWS	0	0	0	0	0	0	0	0	154	0	0
2.1.5.1.20 FInalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	13,972
2.1.5.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.4 Review received proposal	BCWS	0	0	0	0	0	0	0	0	1,228	0	0
2.1.5.1.5 Prepare requisition	BCWS	0	0	0	0	0	0	0	0	307	0	0
2.1.5.1.6 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	307	0	0
2.1.5.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	12,668	0	0
2.1.5.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.1 Complete rough-ins	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.2 Complete trim-outs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.1 Draft curtains at assembly area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.2 Draft curtain at adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.1 Complete base	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.2 Complete ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.3 Complete grating	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.4 Complete test and balance - adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.1 Complete ductwork extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.2 Complete below-platform ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.3 Complete test and balance - block pivoter HVAC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.1 Complete concrete pad	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.2 Complete concrete approach apron	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.3 Extend electrical to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.4 Extend communication to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.1 Install flatness devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.2 Survey and verify flatness	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.1 Remove existing fixed-access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.2 Modify existing stairs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.3 Adjust existing sprinkler system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.4 Adjust existing lighting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.5 Install block pivoter access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.6 Test and commission block pivoter access system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.1 Install video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.1.2.5.6 Install Roof Membrane for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.7 Install Shielding for Detector Enclosure	BCWS	38,956	0	0	0	0	0	0	0	0	0	0
2.1.2.5.9 Service Building Foundations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.1 Road and utility permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.2 UMN site prep permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.3 UMN far detector building permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.6 Interim Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.7 3rd Party Testing Services	BCWS	10,510	9,984	5,780	0	0	0	0	0	0	0	0
2.1.4.4.8 Commissioning Agent	BCWS	6,182	5,873	3,400	0	0	0	0	0	0	0	0
2.1.5.1.1 Prepare request for proposal memo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.17 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.2 Issue RFP to A/E firm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.20 FInalize documents	BCWS	55,889	0	0	0	0	0	0	0	0	0	0
2.1.5.1.21 Assemble/print/distribute final documents	BCWS	5,909	0	0	0	0	0	0	0	0	0	0
2.1.5.1.4 Review received proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.5 Prepare requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.6 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.1 Prepare construction requisition	BCWS	1,485	0	0	0	0	0	0	0	0	0	0
2.1.5.2.2 Circulate requisition for approvals	BCWS	1,188	0	0	0	0	0	0	0	0	0	0
2.1.5.2.6 Review proposals	BCWS	0	1,425	950	0	0	0	0	0	0	0	0
2.1.5.2.7 Prepare purchase order	BCWS	0	0	1,485	0	0	0	0	0	0	0	0
2.1.5.3.1.1 Complete rough-ins	BCWS	0	0	15,928	28,180	17,153	0	0	0	0	0	0
2.1.5.3.1.2 Complete trim-outs	BCWS	0	0	0	0	1,787	3,318	0	0	0	0	0
2.1.5.3.10.1 Draft curtains at assembly area	BCWS	0	0	40,841	0	0	0	0	0	0	0	0
2.1.5.3.10.2 Draft curtain at adhesive dispenser	BCWS	0	0	40,841	0	0	0	0	0	0	0	0
2.1.5.3.2.1 Complete base	BCWS	0	0	39,820	6,126	0	0	0	0	0	0	0
2.1.5.3.2.2 Complete ductwork	BCWS	0	0	0	8,576	3,676	0	0	0	0	0	0
2.1.5.3.2.3 Complete grating	BCWS	0	0	0	0	30,631	20,421	0	0	0	0	0
2.1.5.3.2.4 Complete test and balance - adhesive dispenser	BCWS	0	0	0	0	0	5,105	0	0	0	0	0
2.1.5.3.3.1 Complete ductwork extension	BCWS	0	0	13,273	7,147	0	0	0	0	0	0	0
2.1.5.3.3.2 Complete below-platform ductwork	BCWS	0	0	0	40,841	35,736	0	0	0	0	0	0
2.1.5.3.3.3 Complete test and balance - block pivoter HVAC	BCWS	0	0	0	0	10,210	0	0	0	0	0	0
2.1.5.3.4.1 Complete concrete pad	BCWS	0	0	9,087	0	0	0	0	0	0	0	0
2.1.5.3.4.2 Complete concrete approach apron	BCWS	0	0	408	1,123	0	0	0	0	0	0	0
2.1.5.3.4.3 Extend electrical to adhesive trailer	BCWS	0	0	0	153	2,910	0	0	0	0	0	0
2.1.5.3.4.4 Extend communication to adhesive trailer	BCWS	0	0	0	0	102	919	0	0	0	0	0
2.1.5.3.5.1 Install flatness devices	BCWS	0	0	11,061	14,464	0	0	0	0	0	0	0
2.1.5.3.5.2 Survey and verify flatness	BCWS	0	0	0	10,210	0	0	0	0	0	0	0
2.1.5.3.6.1 Remove existing fixed-access platform	BCWS	0	0	10,210	0	0	0	0	0	0	0	0
2.1.5.3.6.2 Modify existing stairs	BCWS	0	0	4,901	10,414	0	0	0	0	0	0	0
2.1.5.3.6.3 Adjust existing sprinkler system	BCWS	0	0	0	10,210	15,315	0	0	0	0	0	0
2.1.5.3.6.4 Adjust existing lighting	BCWS	0	0	0	0	8,168	2,042	0	0	0	0	0
2.1.5.3.6.5 Install block pivoter access platform	BCWS	0	0	0	0	0	1,283,939	0	0	0	0	0
2.1.5.3.6.6 Test and commission block pivoter access system	BCWS	0	0	0	0	0	1,021	4,084	0	0	0	0
2.1.5.3.7.1 Install video monitoring system	BCWS	0	0	26,547	14,295	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.1.2.5.6 Install Roof Membrane for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.7 Install Shielding for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.9 Service Building Foundations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.1 Road and utility permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.2 UMN site prep permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.3 UMN far detector building permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.6 Interim Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.7 3rd Party Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.8 Commissioning Agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.1 Prepare request for proposal memo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.17 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.2 Issue RFP to A/E firm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.20 FInalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.4 Review received proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.5 Prepare requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.6 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.1 Complete rough-ins	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.2 Complete trim-outs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.1 Draft curtains at assembly area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.2 Draft curtain at adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.1 Complete base	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.2 Complete ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.3 Complete grating	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.4 Complete test and balance - adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.1 Complete ductwork extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.2 Complete below-platform ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.3 Complete test and balance - block pivoter HVAC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.1 Complete concrete pad	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.2 Complete concrete approach apron	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.3 Extend electrical to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.4 Extend communication to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.1 Install flatness devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.2 Survey and verify flatness	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.1 Remove existing fixed-access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.2 Modify existing stairs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.3 Adjust existing sprinkler system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.4 Adjust existing lighting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.5 Install block pivoter access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.6 Test and commission block pivoter access system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.1 Install video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.1.2.5.6 Install Roof Membrane for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.7 Install Shielding for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.9 Service Building Foundations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.1 Road and utility permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.2 UMN site prep permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.3 UMN far detector building permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.6 Interim Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.7 3rd Party Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.8 Commissioning Agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.1 Prepare request for proposal memo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.17 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.2 Issue RFP to A/E firm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.20 FInalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.4 Review received proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.5 Prepare requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.6 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.1 Complete rough-ins	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.2 Complete trim-outs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.1 Draft curtains at assembly area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.2 Draft curtain at adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.1 Complete base	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.2 Complete ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.3 Complete grating	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.4 Complete test and balance - adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.1 Complete ductwork extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.2 Complete below-platform ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.3 Complete test and balance - block pivoter HVAC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.1 Complete concrete pad	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.2 Complete concrete approach apron	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.3 Extend electrical to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.4 Extend communication to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.1 Install flatness devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.2 Survey and verify flatness	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.1 Remove existing fixed-access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.2 Modify existing stairs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.3 Adjust existing sprinkler system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.4 Adjust existing lighting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.5 Install block pivoter access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.6 Test and commission block pivoter access system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.1 Install video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.1.2.5.6 Install Roof Membrane for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.7 Install Shielding for Detector Enclosure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.2.5.9 Service Building Foundations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.1 Road and utility permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.2 UMN site prep permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.1.3 UMN far detector building permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.6 Interim Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.7 3rd Party Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.4.4.8 Commissioning Agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.1 Prepare request for proposal memo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.10 Review background information	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.11 Prepare drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.12 Prepare specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.13 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.14 Comment and compliance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.15 Revise drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.16 Revise specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.17 Prepare cost estimate/schedule	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.18 Assemble/print/distribute documents for review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.19 Quality assurance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.2 Issue RFP to A/E firm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.20 FInalize documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.21 Assemble/print/distribute final documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.4 Review received proposal	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.5 Prepare requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.6 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.1.9 Hold kickoff meeting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.1 Prepare construction requisition	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.2 Circulate requisition for approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.6 Review proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.2.7 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.1 Complete rough-ins	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.1.2 Complete trim-outs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.1 Draft curtains at assembly area	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.10.2 Draft curtain at adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.1 Complete base	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.2 Complete ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.3 Complete grating	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.2.4 Complete test and balance - adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.1 Complete ductwork extension	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.2 Complete below-platform ductwork	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.3.3 Complete test and balance - block pivoter HVAC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.1 Complete concrete pad	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.2 Complete concrete approach apron	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.3 Extend electrical to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.4.4 Extend communication to adhesive trailer	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.1 Install flatness devices	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.5.2 Survey and verify flatness	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.1 Remove existing fixed-access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.2 Modify existing stairs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.3 Adjust existing sprinkler system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.4 Adjust existing lighting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.5 Install block pivoter access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.6.6 Test and commission block pivoter access system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.1 Install video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.1.2.5.6 Install Roof Membrane for Detector Enclosure	BCWS	0	0	599,850
2.1.2.5.7 Install Shielding for Detector Enclosure	BCWS	0	0	461,990
2.1.2.5.9 Service Building Foundations	BCWS	0	0	117,997
2.1.4.1.1 Road and utility permits	BCWS	0	0	62,922
2.1.4.1.2 UMN site prep permits	BCWS	0	0	82,381
2.1.4.1.3 UMN far detector building permits	BCWS	0	0	131,067
2.1.4.4.6 Interim Testing Services	BCWS	0	0	10,000
2.1.4.4.7 3rd Party Testing Services	BCWS	0	0	170,000
2.1.4.4.8 Commissioning Agent	BCWS	0	0	100,000
2.1.5.1.1 Prepare request for proposal memo	BCWS	0	0	614
2.1.5.1.10 Review background information	BCWS	0	0	45,761
2.1.5.1.11 Prepare drawings	BCWS	0	0	70,609
2.1.5.1.12 Prepare specifications	BCWS	0	0	12,663
2.1.5.1.13 Assemble/print/distribute documents for review	BCWS	0	0	5,909
2.1.5.1.14 Comment and compliance review	BCWS	0	0	1,188
2.1.5.1.15 Revise drawings	BCWS	0	0	70,912
2.1.5.1.16 Revise specifications	BCWS	0	0	11,818
2.1.5.1.17 Prepare cost estimate/schedule	BCWS	0	0	23,637
2.1.5.1.18 Assemble/print/distribute documents for review	BCWS	0	0	5,909
2.1.5.1.19 Quality assurance review	BCWS	0	0	1,188
2.1.5.1.2 Issue RFP to A/E firm	BCWS	0	0	154
2.1.5.1.20 FInalize documents	BCWS	0	0	69,861
2.1.5.1.21 Assemble/print/distribute final documents	BCWS	0	0	5,909
2.1.5.1.4 Review received proposal	BCWS	0	0	1,228
2.1.5.1.5 Prepare requisition	BCWS	0	0	307
2.1.5.1.6 Circulate requisition for approvals	BCWS	0	0	307
2.1.5.1.9 Hold kickoff meeting	BCWS	0	0	12,668
2.1.5.2.1 Prepare construction requisition	BCWS	0	0	1,485
2.1.5.2.2 Circulate requisition for approvals	BCWS	0	0	1,188
2.1.5.2.6 Review proposals	BCWS	0	0	2,376
2.1.5.2.7 Prepare purchase order	BCWS	0	0	1,485
2.1.5.3.1.1 Complete rough-ins	BCWS	0	0	61,262
2.1.5.3.1.2 Complete trim-outs	BCWS	0	0	5,105
2.1.5.3.10.1 Draft curtains at assembly area	BCWS	0	0	40,841
2.1.5.3.10.2 Draft curtain at adhesive dispenser	BCWS	0	0	40,841
2.1.5.3.2.1 Complete base	BCWS	0	0	45,946
2.1.5.3.2.2 Complete ductwork	BCWS	0	0	12,252
2.1.5.3.2.3 Complete grating	BCWS	0	0	51,052
2.1.5.3.2.4 Complete test and balance - adhesive dispenser	BCWS	0	0	5,105
2.1.5.3.3.1 Complete ductwork extension	BCWS	0	0	20,420
2.1.5.3.3.2 Complete below-platform ductwork	BCWS	0	0	76,577
2.1.5.3.3.3 Complete test and balance - block pivoter HVAC	BCWS	0	0	10,210
2.1.5.3.4.1 Complete concrete pad	BCWS	0	0	9,087
2.1.5.3.4.2 Complete concrete approach apron	BCWS	0	0	1,532
2.1.5.3.4.3 Extend electrical to adhesive trailer	BCWS	0	0	3,063
2.1.5.3.4.4 Extend communication to adhesive trailer	BCWS	0	0	1,021
2.1.5.3.5.1 Install flatness devices	BCWS	0	0	25,525
2.1.5.3.5.2 Survey and verify flatness	BCWS	0	0	10,210
2.1.5.3.6.1 Remove existing fixed-access platform	BCWS	0	0	10,210
2.1.5.3.6.2 Modify existing stairs	BCWS	0	0	15,315
2.1.5.3.6.3 Adjust existing sprinkler system	BCWS	0	0	25,525
2.1.5.3.6.4 Adjust existing lighting	BCWS	0	0	10,210
2.1.5.3.6.5 Install block pivoter access platform	BCWS	0	0	1,283,939
2.1.5.3.6.6 Test and commission block pivoter access system	BCWS	0	0	5,105
2.1.5.3.7.1 Install video monitoring system	BCWS	0	0	40,841

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.1.5.3.7.2 Extend electrical service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.3 install interface with fire alarm control panel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.4 Test and commission video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.1 Install laser support bracket	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.2 Extend electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.3 Extend data network	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.1 Extend platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.2 Modify handrails/guardrails	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.1 CPPM Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.2 UMN Permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.3 Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.4 Commissioning Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.1 FESS/Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.1 Construction Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.2 Resident Engineer Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.1 Propane tank - installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.2 Propane tank - initial fill	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.3 Telephone Service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.4 Data network installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.3 Fabricate lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.4 Commission lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.2 Unload equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.1 Assemble piece 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.2 Assemble piece 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.3 Assemble piece 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.4 Assemble piece 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.1 Labor	BCWS	0	0	0	0	0	0	62,943	54,733	49,259	57,469	57,469
2.10.2.1.2 Travel	BCWS	0	0	0	0	0	0	930	808	728	849	849
2.10.2.1.3 Equipment	BCWS	0	0	0	0	0	0	930	808	728	849	849
2.10.2.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	930	808	728	849	849
2.10.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.3 Module factory machines engineering review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.1.5.3.7.2 Extend electrical service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.3 install interface with fire alarm control panel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.4 Test and commission video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.1 Install laser support bracket	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.2 Extend electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.3 Extend data network	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.1 Extend platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.2 Modify handrails/guardrails	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.1 CPPM Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.2 UMN Permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.3 Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.4 Commissioning Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.1 FESS/Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.1 Construction Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.2 Resident Engineer Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.1 Propane tank - installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.2 Propane tank - initial fill	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.3 Telephone Service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.4 Data network installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.3 Fabricate lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.4 Commission lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.2 Unload equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.1 Assemble piece 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.2 Assemble piece 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.3 Assemble piece 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.4 Assemble piece 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.1 Labor	BCWS	57,469	60,206	0	0	0	0	0	0	0	0	0
2.10.2.1.2 Travel	BCWS	849	889	0	0	0	0	0	0	0	0	0
2.10.2.1.3 Equipment	BCWS	849	889	0	0	0	0	0	0	0	0	0
2.10.2.1.4 Materials and supplies	BCWS	849	889	0	0	0	0	0	0	0	0	0
2.10.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	57,702	45,158	50,176	50,176
2.10.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	2,952	2,310	2,567	2,567
2.10.3.1.3 Equipment	BCWS	0	0	0	0	0	0	0	1,414	1,106	1,229	1,229
2.10.3.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	3,077	2,408	2,676	2,676
2.10.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	6,126	4,794	5,327	5,327
2.10.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.3 Module factory machines engineering review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.1.5.3.7.2 Extend electrical service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.3 install interface with fire alarm control panel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.4 Test and commission video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.1 Install laser support bracket	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.2 Extend electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.3 Extend data network	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.1 Extend platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.2 Modify handrails/guardrails	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.1 CPPM Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.2 UMN Permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.3 Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.4 Commissioning Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.1 FESS/Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.1 Construction Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.2 Resident Engineer Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.1 Propane tank - installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.2 Propane tank - initial fill	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.3 Telephone Service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.4 Data network installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.3 Fabricate lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.4 Commission lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.2 Unload equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.1 Assemble piece 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.2 Assemble piece 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.3 Assemble piece 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.4 Assemble piece 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.1 Labor	BCWS	50,176	55,194	55,194	50,176	57,047	57,047	54,454	51,861	0	0	0
2.10.3.1.2 Travel	BCWS	2,567	2,824	2,824	2,567	2,837	2,837	2,708	2,579	0	0	0
2.10.3.1.3 Equipment	BCWS	1,229	1,352	1,352	1,229	1,358	1,358	1,297	1,235	0	0	0
2.10.3.1.4 Materials and supplies	BCWS	2,676	2,943	2,943	2,676	2,957	2,957	2,822	2,688	0	0	0
2.10.3.2.1 Labor	BCWS	5,327	11,719	11,719	10,653	11,719	11,719	11,186	10,653	0	0	0
2.10.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	143,849	124,233	130,772
2.10.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	3,808	3,288	3,461
2.10.4.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	1,823	1,575	1,658
2.10.4.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	3,968	3,427	3,608
2.10.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	12,281	10,606	11,165
2.10.4.3 Module factory machines engineering review	BCWS	0	0	0	0	0	0	0	0	5,137	8,134	8,562
2.10.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.1.5.3.7.2 Extend electrical service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.3 install interface with fire alarm control panel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.4 Test and commission video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.1 Install laser support bracket	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.2 Extend electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.3 Extend data network	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.1 Extend platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.2 Modify handrails/guardrails	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.1 CPPM Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.2 UMN Permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.3 Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.4 Commissioning Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.1 FESS/Engineering Support	BCWS	0	0	0	0	0	0	0	0	11,351	11,037	10,511
2.1.5.4.2.2.1 Construction Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.2 Resident Engineer Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.1 Propane tank - installation	BCWS	0	0	0	0	0	0	0	0	0	32,717	43,623
2.1.6.2 Propane tank - initial fill	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.3 Telephone Service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.4 Data network installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.3 Fabricate lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.4 Commission lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.2 Unload equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.1 Assemble piece 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.2 Assemble piece 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.3 Assemble piece 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.4 Assemble piece 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.1 Labor	BCWS	124,233	130,772	150,388	143,849	130,772	143,849	137,310	143,849	130,772	0	0
2.10.4.1.2 Travel	BCWS	3,288	3,461	3,981	3,808	3,461	3,808	3,635	3,808	3,461	0	0
2.10.4.1.3 Equipment	BCWS	1,575	1,658	1,906	1,823	1,658	1,823	1,740	1,823	1,658	0	0
2.10.4.1.4 Materials and supplies	BCWS	3,427	3,608	4,149	3,968	3,608	3,968	3,788	3,968	3,608	0	0
2.10.4.2.1 Labor	BCWS	10,606	11,165	12,839	12,281	11,165	12,281	11,723	12,281	11,165	0	0
2.10.4.3 Module factory machines engineering review	BCWS	3,853	0	0	0	0	0	0	0	0	0	0
2.10.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	247,739	235,942
2.10.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	3,770	3,590
2.10.5.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	1,805	1,719
2.10.5.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	3,929	3,742
2.10.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	12,334	11,747
2.10.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.1.5.3.7.2 Extend electrical service	BCWS	0	0	0	5,445	4,765	0	0	0	0	0	0
2.1.5.3.7.3 install interface with fire alarm control panel	BCWS	0	0	0	0	5,360	9,955	0	0	0	0	0
2.1.5.3.7.4 Test and commission video monitoring system	BCWS	0	0	0	0	0	5,105	0	0	0	0	0
2.1.5.3.8.1 Install laser support bracket	BCWS	0	0	10,210	0	0	0	0	0	0	0	0
2.1.5.3.8.2 Extend electrical	BCWS	0	0	3,063	0	0	0	0	0	0	0	0
2.1.5.3.8.3 Extend data network	BCWS	0	0	1,225	817	0	0	0	0	0	0	0
2.1.5.3.9.1 Extend platforms	BCWS	0	0	95,568	169,082	29,406	0	0	0	0	0	0
2.1.5.3.9.2 Modify handrails/guardrails	BCWS	0	0	0	0	93,730	16,541	0	0	0	0	0
2.1.5.4.1.1 CPPM Support	BCWS	0	19,683	20,719	23,826	21,755	21,755	13,467	0	0	0	0
2.1.5.4.1.2 UMN Permits	BCWS	0	3,313	3,487	4,010	3,661	3,661	2,267	0	0	0	0
2.1.5.4.1.3 Testing Services	BCWS	0	5,684	5,983	6,880	6,282	6,282	3,889	0	0	0	0
2.1.5.4.1.4 Commissioning Services	BCWS	0	8,120	8,547	9,829	8,974	8,974	5,556	0	0	0	0
2.1.5.4.2.1 FESS/Engineering Support	BCWS	10,511	9,986	10,511	12,088	11,037	11,037	6,832	0	0	0	0
2.1.5.4.2.2.1 Construction Phase Support	BCWS	0	0	38,227	67,632	61,751	61,751	35,286	0	0	0	0
2.1.5.4.2.2.2 Resident Engineer Support	BCWS	0	0	27,221	48,161	43,973	43,973	25,127	0	0	0	0
2.1.6.1 Propane tank - installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.2 Propane tank - initial fill	BCWS	12,000	0	0	0	0	0	0	0	0	0	0
2.1.6.3 Telephone Service	BCWS	0	7,570	10,093	0	0	0	0	0	0	0	0
2.1.6.4 Data network installation	BCWS	0	0	18,518	21,296	10,185	0	0	0	0	0	0
2.1.7.1.3 Fabricate lifting fixture	BCWS	0	0	39,999	0	0	0	0	0	0	0	0
2.1.7.1.4 Commission lifting fixture	BCWS	0	0	6,593	1,099	0	0	0	0	0	0	0
2.1.7.2 Unload equipment	BCWS	0	0	0	9,616	9,616	0	0	0	0	0	0
2.1.7.3.1 Assemble piece 1	BCWS	0	0	0	13,462	13,462	0	0	0	0	0	0
2.1.7.3.2 Assemble piece 2	BCWS	0	0	0	0	26,923	0	0	0	0	0	0
2.1.7.3.3 Assemble piece 3	BCWS	0	0	0	0	16,154	10,769	0	0	0	0	0
2.1.7.3.4 Assemble piece 4	BCWS	0	0	0	0	0	22,885	4,038	0	0	0	0
2.10.2.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.3 Module factory machines engineering review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.1 Labor	BCWS	235,942	224,144	235,942	271,333	247,739	247,739	259,536	235,942	271,333	224,144	0
2.10.5.1.2 Travel	BCWS	3,590	3,411	3,590	4,129	3,770	3,770	3,949	3,590	4,129	3,411	0
2.10.5.1.3 Equipment	BCWS	1,719	1,633	1,719	1,977	1,805	1,805	1,891	1,719	1,977	1,633	0
2.10.5.1.4 Materials and supplies	BCWS	3,742	3,555	3,742	4,303	3,929	3,929	4,116	3,742	4,303	3,555	0
2.10.5.2.1 Labor	BCWS	11,747	11,160	11,747	13,509	12,334	12,334	12,922	11,747	13,509	11,160	0
2.10.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	230,038
2.10.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	3,837
2.10.6.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	1,838
2.10.6.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	2,378
2.10.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	12,875
2.10.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.1.5.3.7.2 Extend electrical service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.3 install interface with fire alarm control panel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.4 Test and commission video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.1 Install laser support bracket	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.2 Extend electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.3 Extend data network	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.1 Extend platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.2 Modify handrails/guardrails	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.1 CPPM Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.2 UMN Permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.3 Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.4 Commissioning Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.1 FESS/Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.1 Construction Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.2 Resident Engineer Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.1 Propane tank - installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.2 Propane tank - initial fill	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.3 Telephone Service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.4 Data network installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.3 Fabricate lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.4 Commission lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.2 Unload equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.1 Assemble piece 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.2 Assemble piece 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.3 Assemble piece 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.4 Assemble piece 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.3 Module factory machines engineering review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.1 Labor	BCWS	219,084	208,130	219,084	230,038	240,992	230,038	240,992	230,038	230,038	251,946	208,130
2.10.6.1.2 Travel	BCWS	3,655	3,472	3,655	3,837	4,020	3,837	4,020	3,837	3,837	4,203	3,472
2.10.6.1.3 Equipment	BCWS	1,750	1,663	1,750	1,838	1,925	1,838	1,925	1,838	1,838	2,013	1,663
2.10.6.1.4 Materials and supplies	BCWS	2,265	2,152	2,265	2,378	2,491	2,378	2,491	2,378	2,378	2,605	2,152
2.10.6.2.1 Labor	BCWS	12,262	11,649	12,262	12,875	13,488	12,875	13,488	12,875	12,875	14,101	11,649
2.10.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.1.5.3.7.2 Extend electrical service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.3 install interface with fire alarm control panel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.4 Test and commission video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.1 Install laser support bracket	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.2 Extend electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.3 Extend data network	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.1 Extend platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.2 Modify handrails/guardrails	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.1 CPPM Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.2 UMN Permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.3 Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.4 Commissioning Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.1 FESS/Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.1 Construction Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.2 Resident Engineer Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.1 Propane tank - installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.2 Propane tank - initial fill	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.3 Telephone Service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.4 Data network installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.3 Fabricate lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.4 Commission lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.2 Unload equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.1 Assemble piece 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.2 Assemble piece 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.3 Assemble piece 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.4 Assemble piece 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.3 Module factory machines engineering review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.1 Labor	BCWS	264,044	229,604	206,643	241,084	229,604	241,084	252,564	252,564	229,604	252,564	252,564
2.10.7.1.2 Travel	BCWS	4,295	3,735	3,362	3,922	3,735	3,922	4,109	4,109	3,735	4,109	4,109
2.10.7.1.3 Equipment	BCWS	2,057	1,789	1,610	1,878	1,789	1,878	1,968	1,968	1,789	1,968	1,968
2.10.7.1.4 Materials and supplies	BCWS	2,662	2,315	2,083	2,430	2,315	2,430	2,546	2,546	2,315	2,546	2,546

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.1.5.3.7.2 Extend electrical service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.3 install interface with fire alarm control panel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.7.4 Test and commission video monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.1 Install laser support bracket	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.2 Extend electrical	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.8.3 Extend data network	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.1 Extend platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.3.9.2 Modify handrails/guardrails	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.1 CPPM Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.2 UMN Permits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.3 Testing Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.1.4 Commissioning Services	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.1 FESS/Engineering Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.1 Construction Phase Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.5.4.2.2.2 Resident Engineer Support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.1 Propane tank - installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.2 Propane tank - initial fill	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.3 Telephone Service	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.6.4 Data network installation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.3 Fabricate lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.1.4 Commission lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.2 Unload equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.1 Assemble piece 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.2 Assemble piece 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.3 Assemble piece 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.1.7.3.4 Assemble piece 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.2.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.4.3 Module factory machines engineering review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.7.1.1 Labor	BCWS	218,124	0	0	0	0	0	0	0	0	0	0
2.10.7.1.2 Travel	BCWS	3,548	0	0	0	0	0	0	0	0	0	0
2.10.7.1.3 Equipment	BCWS	1,699	0	0	0	0	0	0	0	0	0	0
2.10.7.1.4 Materials and supplies	BCWS	2,199	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.1.5.3.7.2 Extend electrical service	BCWS	0	0	10,210
2.1.5.3.7.3 install interface with fire alarm control panel	BCWS	0	0	15,315
2.1.5.3.7.4 Test and commission video monitoring system	BCWS	0	0	5,105
2.1.5.3.8.1 Install laser support bracket	BCWS	0	0	10,210
2.1.5.3.8.2 Extend electrical	BCWS	0	0	3,063
2.1.5.3.8.3 Extend data network	BCWS	0	0	2,042
2.1.5.3.9.1 Extend platforms	BCWS	0	0	294,055
2.1.5.3.9.2 Modify handrails/guardrails	BCWS	0	0	110,270
2.1.5.4.1.1 CPPM Support	BCWS	0	0	121,204
2.1.5.4.1.2 UMN Permits	BCWS	0	0	20,400
2.1.5.4.1.3 Testing Services	BCWS	0	0	35,000
2.1.5.4.1.4 Commissioning Services	BCWS	0	0	50,000
2.1.5.4.2.1 FESS/Engineering Support	BCWS	0	0	104,900
2.1.5.4.2.2.1 Construction Phase Support	BCWS	0	0	264,648
2.1.5.4.2.2.2 Resident Engineer Support	BCWS	0	0	188,455
2.1.6.1 Propane tank - installation	BCWS	0	0	76,341
2.1.6.2 Propane tank - initial fill	BCWS	0	0	12,000
2.1.6.3 Telephone Service	BCWS	0	0	17,662
2.1.6.4 Data network installation	BCWS	0	0	50,000
2.1.7.1.3 Fabricate lifting fixture	BCWS	0	0	39,999
2.1.7.1.4 Commission lifting fixture	BCWS	0	0	7,692
2.1.7.2 Unload equipment	BCWS	0	0	19,231
2.1.7.3.1 Assemble piece 1	BCWS	0	0	26,923
2.1.7.3.2 Assemble piece 2	BCWS	0	0	26,923
2.1.7.3.3 Assemble piece 3	BCWS	0	0	26,923
2.1.7.3.4 Assemble piece 4	BCWS	0	0	26,923
2.10.2.1.1 Labor	BCWS	0	0	399,548
2.10.2.1.2 Travel	BCWS	0	0	5,902
2.10.2.1.3 Equipment	BCWS	0	0	5,902
2.10.2.1.4 Materials and supplies	BCWS	0	0	5,902
2.10.3.1.1 Labor	BCWS	0	0	634,361
2.10.3.1.2 Travel	BCWS	0	0	32,139
2.10.3.1.3 Equipment	BCWS	0	0	15,391
2.10.3.1.4 Materials and supplies	BCWS	0	0	33,497
2.10.3.2.1 Labor	BCWS	0	0	106,268
2.10.4.1.1 Labor	BCWS	0	0	1,634,648
2.10.4.1.2 Travel	BCWS	0	0	43,268
2.10.4.1.3 Equipment	BCWS	0	0	20,720
2.10.4.1.4 Materials and supplies	BCWS	0	0	45,096
2.10.4.2.1 Labor	BCWS	0	0	139,558
2.10.4.3 Module factory machines engineering review	BCWS	0	0	25,687
2.10.5.1.1 Labor	BCWS	0	0	2,937,472
2.10.5.1.2 Travel	BCWS	0	0	44,700
2.10.5.1.3 Equipment	BCWS	0	0	21,406
2.10.5.1.4 Materials and supplies	BCWS	0	0	46,589
2.10.5.2.1 Labor	BCWS	0	0	146,251
2.10.6.1.1 Labor	BCWS	0	0	2,738,548
2.10.6.1.2 Travel	BCWS	0	0	45,682
2.10.6.1.3 Equipment	BCWS	0	0	21,876
2.10.6.1.4 Materials and supplies	BCWS	0	0	28,310
2.10.6.2.1 Labor	BCWS	0	0	153,271
2.10.7.1.1 Labor	BCWS	0	0	2,870,048
2.10.7.1.2 Travel	BCWS	0	0	46,689
2.10.7.1.3 Equipment	BCWS	0	0	22,358
2.10.7.1.4 Materials and supplies	BCWS	0	0	28,934

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.10.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.1 Produce mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.2 Deliver mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.3 Store mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.1 Produce mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.2 Deliver mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.3 Store mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.1 Produce mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.2 Deliver mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.3 Store mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.1 Produce mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.2 Deliver mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.1 Produce mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.2 Deliver mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.1 QC hardware - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.2 QC mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.3 QC mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.4 QC mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.6 QC mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.7 QC mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.1 Produce and deliver pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.2 Store pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.1 Produce and deliver pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.2 Store pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.1 Produce and deliver pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.2 Store pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.10 Produce and deliver pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.1 QC pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.2 QC pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.3 QC pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.5 QC pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.2 Evaluate proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.2 Produce and deliver waveshifters - low-rate - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.3 Produce and deliver waveshifters - full-rate - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.6 Produce and deliver waveshifters - full-rate - FY10 - 15th K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.8 Produce and deliver additional waveshifter for increased sci	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.10 Deliver additional wavelength-shifting powders for 16kt-18k	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.1 QC-waveshifter - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.2 QC-waveshifter - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.7 Deliver Stadis-425 FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.1 Prepare preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.10.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.1 Produce mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.2 Deliver mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.3 Store mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.1 Produce mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.2 Deliver mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.3 Store mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.1 Produce mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.2 Deliver mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.3 Store mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.1 Produce mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.2 Deliver mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.1 Produce mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.2 Deliver mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.1 QC hardware - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.2 QC mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.3 QC mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.4 QC mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.6 QC mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.7 QC mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.1 Produce and deliver pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.2 Store pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.1 Produce and deliver pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.2 Store pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.1 Produce and deliver pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.2 Store pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.10 Produce and deliver pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.1 QC pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.2 QC pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.3 QC pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.5 QC pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.2 Evaluate proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.2 Produce and deliver waveshifters - low-rate - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.3 Produce and deliver waveshifters - full-rate - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.6 Produce and deliver waveshifters - full-rate - FY10 - 15th K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.8 Produce and deliver additional waveshifter for increased sci	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.10 Deliver additional wavelength-shifting powders for 16kt-18k	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.1 QC-waveshifter - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.2 QC-waveshifter - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.7 Deliver Stadis-425 FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.1 Prepare preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.10.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.1 Produce mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.2 Deliver mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.3 Store mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.1 Produce mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.2 Deliver mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.3 Store mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.1 Produce mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.2 Deliver mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.3 Store mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.1 Produce mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.2 Deliver mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.1 Produce mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.2 Deliver mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.1 QC hardware - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.2 QC mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.3 QC mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.4 QC mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.6 QC mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.7 QC mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.1 Produce and deliver pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.2 Store pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.1 Produce and deliver pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.2 Store pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.1 Produce and deliver pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.2 Store pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.10 Produce and deliver pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.1 QC pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.2 QC pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.3 QC pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.5 QC pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.2 Evaluate proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.2 Produce and deliver waveshifters - low-rate - FY09	BCWS	0	0	0	18,959	104,746	104,746	99,985	76,179	0	0	0
2.2.3.5.3 Produce and deliver waveshifters - full-rate - FY10	BCWS	0	0	0	0	0	0	0	0	518,400	355,680	0
2.2.3.5.6 Produce and deliver waveshifters - full-rate - FY10 - 15th K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.8 Produce and deliver additional waveshifter for increased sci	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.10 Deliver additional wavelength-shifting powders for 16kt-18k	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.1 QC-waveshifter - FY09	BCWS	0	0	0	204	1,158	1,158	1,105	842	0	0	0
2.2.3.6.2 QC-waveshifter - FY10	BCWS	0	0	0	0	0	0	0	0	575	993	1,046
2.2.3.7 Deliver Stadis-425 FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.1 Prepare preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.10.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.1 Produce mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.2 Deliver mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.3 Store mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.1 Produce mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.2 Deliver mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.3 Store mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.1 Produce mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.2 Deliver mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.3 Store mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.1 Produce mineral oil - ND - batch 1	BCWS	0	0	0	0	0	108,600	0	0	0	0	0
2.2.1.5.10.1.2 Deliver mineral oil - ND - batch 1	BCWS	0	0	0	0	0	6,000	0	0	0	0	0
2.2.1.5.10.2.1 Produce mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.2 Deliver mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.1 QC hardware - FY10	BCWS	46,924	0	0	0	0	0	0	0	0	0	0
2.2.1.6.2 QC mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.3 QC mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.4 QC mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.6 QC mineral oil - ND - batch 1	BCWS	0	0	0	0	0	4,237	0	0	0	0	0
2.2.1.6.7 QC mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.1 Produce and deliver pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.2 Store pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.1 Produce and deliver pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.2 Store pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.1 Produce and deliver pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.2 Store pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.10 Produce and deliver pseudocumene - ND	BCWS	0	0	0	0	0	56,265	0	0	0	0	0
2.2.2.6.1 QC pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.2 QC pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.3 QC pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.5 QC pseudocumene - ND	BCWS	0	0	0	0	0	390	0	0	0	0	0
2.2.3.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.2 Evaluate proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.2 Produce and deliver waveshifters - low-rate - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.3 Produce and deliver waveshifters - full-rate - FY10	BCWS	311,220	311,220	280,440	0	0	0	0	0	0	0	0
2.2.3.5.6 Produce and deliver waveshifters - full-rate - FY10 - 15th K	BCWS	0	0	0	0	0	183,090	0	0	0	0	0
2.2.3.5.8 Produce and deliver additional waveshifter for increased sci	BCWS	0	0	0	257,827	210,949	0	0	0	0	0	0
2.2.3.5.10 Deliver additional wavelength-shifting powders for 16kt-18k	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.1 QC-waveshifter - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.2 QC-waveshifter - FY10	BCWS	993	1,046	1,203	0	0	0	0	0	0	0	0
2.2.3.7 Deliver Stadis-425 FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.1 Prepare preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.10.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.1 Produce mineral oil - FY11	BCWS	0	0	0	0	432,087	432,087	452,663	411,512	473,238	432,087	0
2.2.1.5.2.2 Deliver mineral oil - FY11	BCWS	0	0	0	0	15,996	15,996	16,758	15,234	17,519	15,996	0
2.2.1.5.2.3 Store mineral oil - FY11	BCWS	0	0	0	0	39,663	39,663	41,552	37,775	43,441	39,663	0
2.2.1.5.3.1 Produce mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	329,280
2.2.1.5.3.2 Deliver mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	12,600
2.2.1.5.3.3 Store mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.1 Produce mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.2 Deliver mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.3 Store mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.1 Produce mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.2 Deliver mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.1 Produce mineral oil - ND - batch 2	BCWS	0	0	0	108,601	0	0	0	0	0	0	0
2.2.1.5.10.2.2 Deliver mineral oil - ND - batch 2	BCWS	0	0	0	6,000	0	0	0	0	0	0	0
2.2.1.6.1 QC hardware - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.2 QC mineral oil - FY11	BCWS	0	0	0	0	14,212	14,212	14,888	13,535	15,565	14,212	0
2.2.1.6.3 QC mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	3,301
2.2.1.6.4 QC mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.6 QC mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.7 QC mineral oil - ND - batch 2	BCWS	0	0	0	4,486	0	0	0	0	0	0	0
2.2.2.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.1 Produce and deliver pseudocumene - FY11	BCWS	0	0	0	0	0	74,116	77,645	70,587	81,175	74,116	0
2.2.2.5.2.2 Store pseudocumene - FY11	BCWS	0	0	0	0	0	2,412	2,527	2,297	2,642	2,412	0
2.2.2.5.3.1 Produce and deliver pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.2 Store pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.1 Produce and deliver pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.2 Store pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.10 Produce and deliver pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.1 QC pseudocumene - FY11	BCWS	0	0	0	0	0	401	1,469	1,335	1,535	1,402	0
2.2.2.6.2 QC pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.3 QC pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.5 QC pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.2 Evaluate proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.2 Produce and deliver waveshifters - low-rate - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.3 Produce and deliver waveshifters - full-rate - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.6 Produce and deliver waveshifters - full-rate - FY10 - 15th K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.8 Produce and deliver additional waveshifter for increased sci	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.10 Deliver additional wavelength-shifting powders for 16kt-18k	BCWS	0	0	0	0	0	582,656	0	0	0	0	0
2.2.3.6.1 QC-waveshifter - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.2 QC-waveshifter - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.7 Deliver Stadis-425 FY11	BCWS	0	0	0	0	0	0	0	516	0	0	0
2.2.4.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.1 Prepare preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	11,332	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.10.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.1 Produce mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.2 Deliver mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.3 Store mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.1 Produce mineral oil - FY12	BCWS	313,600	297,920	313,600	329,280	344,960	329,280	344,960	329,280	329,280	360,640	297,920
2.2.1.5.3.2 Deliver mineral oil - FY12	BCWS	12,000	11,400	12,000	12,600	13,200	12,600	13,200	12,600	12,600	13,800	11,400
2.2.1.5.3.3 Store mineral oil - FY12	BCWS	44,906	42,661	44,906	47,152	49,397	47,152	49,397	47,152	47,152	51,642	42,661
2.2.1.5.4.1 Produce mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.2 Deliver mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.3 Store mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.1 Produce mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.2 Deliver mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.1 Produce mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.2 Deliver mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.1 QC hardware - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.2 QC mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.3 QC mineral oil - FY12	BCWS	3,144	2,987	3,144	3,301	3,458	3,301	3,458	3,301	3,301	3,616	2,987
2.2.1.6.4 QC mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.6 QC mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.7 QC mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.1 Produce and deliver pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.2 Store pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.1 Produce and deliver pseudocumene - FY12	BCWS	72,218	68,607	72,218	75,829	79,440	75,829	79,440	75,829	75,829	83,051	68,607
2.2.2.5.3.2 Store pseudocumene - FY12	BCWS	8,227	7,815	8,227	8,638	9,049	8,638	9,049	8,638	8,638	9,461	7,815
2.2.2.5.4.1 Produce and deliver pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.2 Store pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.10 Produce and deliver pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.1 QC pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.2 QC pseudocumene - FY12	BCWS	93	88	93	98	102	98	102	98	98	107	88
2.2.2.6.3 QC pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.5 QC pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.2 Evaluate proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.2 Produce and deliver waveshifters - low-rate - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.3 Produce and deliver waveshifters - full-rate - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.6 Produce and deliver waveshifters - full-rate - FY10 - 15th K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.8 Produce and deliver additional waveshifter for increased sci	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.10 Deliver additional wavelength-shifting powders for 16kt-18k	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.1 QC-waveshifter - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.2 QC-waveshifter - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.7 Deliver Stadis-425 FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.1 Prepare preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.10.7.2.1 Labor	BCWS	14,778	12,851	11,565	13,493	12,851	13,493	14,136	14,136	12,851	14,136	14,136
2.10.11.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.3 Equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.10.11.1.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.1 Produce mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.2 Deliver mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.3 Store mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.1 Produce mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.2 Deliver mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.3 Store mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.1 Produce mineral oil - FY13	BCWS	650,888	565,989	509,390	594,289	565,989	594,289	622,588	622,588	565,989	0	0
2.2.1.5.4.2 Deliver mineral oil - FY13	BCWS	24,906	21,658	19,492	22,741	21,658	22,741	23,824	23,824	21,658	0	0
2.2.1.5.4.3 Store mineral oil - FY13	BCWS	0	0	0	51,990	49,514	51,990	54,466	54,466	49,514	54,466	54,466
2.2.1.5.10.1.1 Produce mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.2 Deliver mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.1 Produce mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.2 Deliver mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.1 QC hardware - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.2 QC mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.3 QC mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.4 QC mineral oil - FY13	BCWS	6,821	5,932	5,339	6,228	5,932	6,228	6,525	6,525	5,932	0	0
2.2.1.6.6 QC mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.7 QC mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.1 Produce and deliver pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.2 Store pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.1 Produce and deliver pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.2 Store pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.1 Produce and deliver pseudocumene - FY13	BCWS	0	36,510	32,859	38,336	20,081	0	0	0	0	0	0
2.2.2.5.4.2 Store pseudocumene - FY13	BCWS	0	27,506	24,755	28,881	15,128	0	0	0	0	0	0
2.2.2.5.10 Produce and deliver pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.1 QC pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.2 QC pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.3 QC pseudocumene - FY13	BCWS	0	287	258	301	287	301	315	315	287	315	100
2.2.2.6.5 QC pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.2 Evaluate proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.2 Produce and deliver waveshifters - low-rate - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.3 Produce and deliver waveshifters - full-rate - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.6 Produce and deliver waveshifters - full-rate - FY10 - 15th K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.8 Produce and deliver additional waveshifter for increased sci	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.10 Deliver additional wavelength-shifting powders for 16kt-18k	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.1 QC-waveshifter - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.2 QC-waveshifter - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.7 Deliver Stadis-425 FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.1 Prepare preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.10.7.2.1 Labor	BCWS	12,208	0	0	0	0	0	0	0	0	0	0
2.10.11.1.1 Labor	BCWS	0	236,428	195,310	189,358	90,876	86,548	86,548	0	0	0	0
2.10.11.1.3 Equipment	BCWS	0	616	509	509	562	536	562	589	562	562	589
2.10.11.1.4 Materials and supplies	BCWS	0	246	203	203	225	214	225	236	225	225	236
2.2.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.1 Produce mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.2 Deliver mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.2.3 Store mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.1 Produce mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.2 Deliver mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.3.3 Store mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.1 Produce mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.2 Deliver mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.4.3 Store mineral oil - FY13	BCWS	49,514	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.1 Produce mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.1.2 Deliver mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.1 Produce mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.5.10.2.2 Deliver mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.1 QC hardware - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.2 QC mineral oil - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.3 QC mineral oil - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.4 QC mineral oil - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.6 QC mineral oil - ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.1.6.7 QC mineral oil - ND - batch 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.1 Produce and deliver pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.2.2 Store pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.1 Produce and deliver pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.3.2 Store pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.1 Produce and deliver pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.4.2 Store pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.5.10 Produce and deliver pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.1 QC pseudocumene - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.2 QC pseudocumene - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.3 QC pseudocumene - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.2.6.5 QC pseudocumene - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.2 Evaluate proposals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.2 Produce and deliver waveshifters - low-rate - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.3 Produce and deliver waveshifters - full-rate - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.6 Produce and deliver waveshifters - full-rate - FY10 - 15th K	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.8 Produce and deliver additional waveshifter for increased sci	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.5.10 Deliver additional wavelength-shifting powders for 16kt-18k	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.1 QC-waveshifter - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.6.2 QC-waveshifter - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.3.7 Deliver Stadis-425 FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.1 Prepare RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.2 Evaluate proposals and negotiate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.1 Prepare preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.10.7.2.1 Labor	BCWS	0	0	160,631
2.10.11.1.1 Labor	BCWS	0	0	885,067
2.10.11.1.3 Equipment	BCWS	562	562	6,721
2.10.11.1.4 Materials and supplies	BCWS	225	225	2,688
2.2.1.1 Prepare RFP	BCWS	0	0	0
2.2.1.2 Evaluate proposals and negotiate	BCWS	0	0	0
2.2.1.3 Prepare purchase req and PO	BCWS	0	0	0
2.2.1.5.2.1 Produce mineral oil - FY11	BCWS	0	0	2,633,675
2.2.1.5.2.2 Deliver mineral oil - FY11	BCWS	0	0	97,500
2.2.1.5.2.3 Store mineral oil - FY11	BCWS	0	0	241,757
2.2.1.5.3.1 Produce mineral oil - FY12	BCWS	0	0	3,920,000
2.2.1.5.3.2 Deliver mineral oil - FY12	BCWS	0	0	149,999
2.2.1.5.3.3 Store mineral oil - FY12	BCWS	0	0	514,179
2.2.1.5.4.1 Produce mineral oil - FY13	BCWS	0	0	5,292,000
2.2.1.5.4.2 Deliver mineral oil - FY13	BCWS	0	0	202,500
2.2.1.5.4.3 Store mineral oil - FY13	BCWS	0	0	470,387
2.2.1.5.10.1.1 Produce mineral oil - ND - batch 1	BCWS	0	0	108,600
2.2.1.5.10.1.2 Deliver mineral oil - ND - batch 1	BCWS	0	0	6,000
2.2.1.5.10.2.1 Produce mineral oil - ND - batch 2	BCWS	0	0	108,601
2.2.1.5.10.2.2 Deliver mineral oil - ND - batch 2	BCWS	0	0	6,000
2.2.1.6.1 QC hardware - FY10	BCWS	0	0	46,924
2.2.1.6.2 QC mineral oil - FY11	BCWS	0	0	86,623
2.2.1.6.3 QC mineral oil - FY12	BCWS	0	0	39,299
2.2.1.6.4 QC mineral oil - FY13	BCWS	0	0	55,461
2.2.1.6.6 QC mineral oil - ND - batch 1	BCWS	0	0	4,237
2.2.1.6.7 QC mineral oil - ND - batch 2	BCWS	0	0	4,486
2.2.2.1 Prepare RFP	BCWS	0	0	0
2.2.2.2 Evaluate proposals and negotiate	BCWS	0	0	0
2.2.2.3 Prepare purchase req and PO	BCWS	0	0	0
2.2.2.5.2.1 Produce and deliver pseudocumene - FY11	BCWS	0	0	377,639
2.2.2.5.2.2 Store pseudocumene - FY11	BCWS	0	0	12,289
2.2.2.5.3.1 Produce and deliver pseudocumene - FY12	BCWS	0	0	826,899
2.2.2.5.3.2 Store pseudocumene - FY12	BCWS	0	0	94,195
2.2.2.5.4.1 Produce and deliver pseudocumene - FY13	BCWS	0	0	127,786
2.2.2.5.4.2 Store pseudocumene - FY13	BCWS	0	0	96,271
2.2.2.5.10 Produce and deliver pseudocumene - ND	BCWS	0	0	56,265
2.2.2.6.1 QC pseudocumene - FY11	BCWS	0	0	6,141
2.2.2.6.2 QC pseudocumene - FY12	BCWS	0	0	1,064
2.2.2.6.3 QC pseudocumene - FY13	BCWS	0	0	2,766
2.2.2.6.5 QC pseudocumene - ND	BCWS	0	0	390
2.2.3.1 Prepare RFP	BCWS	0	0	0
2.2.3.2 Evaluate proposals	BCWS	0	0	0
2.2.3.3 Prepare purchase req and PO	BCWS	0	0	0
2.2.3.5.2 Produce and deliver waveshifters - low-rate - FY09	BCWS	0	0	404,615
2.2.3.5.3 Produce and deliver waveshifters - full-rate - FY10	BCWS	0	0	1,776,960
2.2.3.5.6 Produce and deliver waveshifters - full-rate - FY10 - 15th K	BCWS	0	0	183,090
2.2.3.5.8 Produce and deliver additional waveshifter for increased sci	BCWS	0	0	468,776
2.2.3.5.10 Deliver additional wavelength-shifting powders for 16kt-18k	BCWS	0	0	582,656
2.2.3.6.1 QC-waveshifter - FY09	BCWS	0	0	4,466
2.2.3.6.2 QC-waveshifter - FY10	BCWS	0	0	5,856
2.2.3.7 Deliver Stadis-425 FY11	BCWS	0	0	516
2.2.4.1.1 Prepare RFP	BCWS	0	0	0
2.2.4.1.2 Evaluate proposals and negotiate	BCWS	0	0	0
2.2.4.1.3 Prepare purchase req and PO	BCWS	0	0	0
2.2.4.2.1 Prepare preproduction batch of fluor concentrate	BCWS	0	0	11,332

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.2.4.2.2 QC preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.1 Produce fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.10 Produce fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.11 Produce fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.12 Produce fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.13 Produce fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.14 Produce fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.15 Produce fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.16 Produce fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.17 Produce fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.18 Produce fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.19 Produce fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.2 Produce fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.20 Produce fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.21 Produce fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.22 Produce fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.23 Produce fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.24 Produce fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.25 Produce fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.26 Produce fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.27 Produce fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.28 Produce fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.29 Produce fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.3 Produce fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.30 Produce fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.4 Produce fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.5 Produce fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.6 Produce fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.7 Produce fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.8 Produce fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.9 Produce fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.1 QC fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.10 QC fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.11 QC fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.12 QC fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.13 QC fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.14 QC fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.15 QC fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.16 QC fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.17 QC fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.18 QC fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.19 QC fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.2 QC fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.20 QC fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.21 QC fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.22 QC fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.23 QC fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.24 QC fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.25 QC fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.26 QC fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.27 QC fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.28 QC fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.29 QC fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.3 QC fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.30 QC fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.2.4.2.2 QC preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.1 Produce fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.10 Produce fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.11 Produce fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.12 Produce fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.13 Produce fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.14 Produce fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.15 Produce fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.16 Produce fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.17 Produce fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.18 Produce fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.19 Produce fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.2 Produce fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.20 Produce fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.21 Produce fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.22 Produce fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.23 Produce fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.24 Produce fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.25 Produce fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.26 Produce fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.27 Produce fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.28 Produce fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.29 Produce fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.3 Produce fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.30 Produce fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.4 Produce fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.5 Produce fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.6 Produce fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.7 Produce fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.8 Produce fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.9 Produce fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.1 QC fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.10 QC fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.11 QC fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.12 QC fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.13 QC fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.14 QC fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.15 QC fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.16 QC fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.17 QC fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.18 QC fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.19 QC fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.2 QC fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.20 QC fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.21 QC fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.22 QC fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.23 QC fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.24 QC fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.25 QC fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.26 QC fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.27 QC fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.28 QC fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.29 QC fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.3 QC fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.30 QC fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.2.4.2.2 QC preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.1 Produce fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.10 Produce fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.11 Produce fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.12 Produce fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.13 Produce fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.14 Produce fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.15 Produce fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.16 Produce fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.17 Produce fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.18 Produce fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.19 Produce fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.2 Produce fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.20 Produce fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.21 Produce fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.22 Produce fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.23 Produce fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.24 Produce fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.25 Produce fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.26 Produce fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.27 Produce fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.28 Produce fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.29 Produce fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.3 Produce fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.30 Produce fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.4 Produce fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.5 Produce fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.6 Produce fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.7 Produce fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.8 Produce fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.9 Produce fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.1 QC fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.10 QC fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.11 QC fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.12 QC fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.13 QC fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.14 QC fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.15 QC fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.16 QC fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.17 QC fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.18 QC fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.19 QC fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.2 QC fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.20 QC fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.21 QC fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.22 QC fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.23 QC fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.24 QC fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.25 QC fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.26 QC fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.27 QC fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.28 QC fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.29 QC fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.3 QC fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.30 QC fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.2.4.2.2 QC preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.1 Produce fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.10 Produce fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.11 Produce fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.12 Produce fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.13 Produce fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.14 Produce fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.15 Produce fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.16 Produce fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.17 Produce fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.18 Produce fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.19 Produce fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.2 Produce fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.20 Produce fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.21 Produce fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.22 Produce fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.23 Produce fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.24 Produce fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.25 Produce fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.26 Produce fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.27 Produce fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.28 Produce fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.29 Produce fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.3 Produce fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.30 Produce fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.4 Produce fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.5 Produce fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.6 Produce fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.7 Produce fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.8 Produce fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.9 Produce fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.1 QC fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.10 QC fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.11 QC fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.12 QC fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.13 QC fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.14 QC fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.15 QC fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.16 QC fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.17 QC fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.18 QC fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.19 QC fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.2 QC fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.20 QC fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.21 QC fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.22 QC fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.23 QC fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.24 QC fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.25 QC fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.26 QC fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.27 QC fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.28 QC fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.29 QC fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.3 QC fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.30 QC fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.2.4.2.2 QC preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	2,752	8,257	0	0	0	0
2.2.4.2.3.1 Produce fluor concentrate for block 1	BCWS	0	0	0	0	0	4,382	0	0	0	0	0
2.2.4.2.3.10 Produce fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.11 Produce fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.12 Produce fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.13 Produce fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.14 Produce fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.15 Produce fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.16 Produce fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.17 Produce fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.18 Produce fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.19 Produce fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.2 Produce fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	4,382	0	0
2.2.4.2.3.20 Produce fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.21 Produce fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.22 Produce fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.23 Produce fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.24 Produce fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.25 Produce fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.26 Produce fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.27 Produce fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.28 Produce fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.29 Produce fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.3 Produce fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.30 Produce fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.4 Produce fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.5 Produce fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.6 Produce fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.7 Produce fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.8 Produce fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.9 Produce fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.1 QC fluor concentrate for block 1	BCWS	0	0	0	0	0	1,692	5,075	0	0	0	0
2.2.4.2.4.10 QC fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.11 QC fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.12 QC fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.13 QC fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.14 QC fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.15 QC fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.16 QC fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.17 QC fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.18 QC fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.19 QC fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.2 QC fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	6,767	0	0
2.2.4.2.4.20 QC fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.21 QC fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.22 QC fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.23 QC fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.24 QC fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.25 QC fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.26 QC fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.27 QC fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.28 QC fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.29 QC fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.3 QC fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.30 QC fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.2.4.2.2 QC preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.1 Produce fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.10 Produce fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	4,478	0	0
2.2.4.2.3.11 Produce fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	4,478	0	0
2.2.4.2.3.12 Produce fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	4,478	0
2.2.4.2.3.13 Produce fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	4,478	0
2.2.4.2.3.14 Produce fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	4,478
2.2.4.2.3.15 Produce fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.16 Produce fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.17 Produce fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.18 Produce fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.19 Produce fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.2 Produce fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.20 Produce fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.21 Produce fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.22 Produce fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.23 Produce fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.24 Produce fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.25 Produce fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.26 Produce fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.27 Produce fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.28 Produce fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.29 Produce fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.3 Produce fluor concentrate for block 3	BCWS	0	0	0	4,478	0	0	0	0	0	0	0
2.2.4.2.3.30 Produce fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.4 Produce fluor concentrate for block 4	BCWS	0	0	0	0	4,478	0	0	0	0	0	0
2.2.4.2.3.5 Produce fluor concentrate for block 5	BCWS	0	0	0	0	4,478	0	0	0	0	0	0
2.2.4.2.3.6 Produce fluor concentrate for block 6	BCWS	0	0	0	0	0	4,478	0	0	0	0	0
2.2.4.2.3.7 Produce fluor concentrate for block 7	BCWS	0	0	0	0	0	0	4,478	0	0	0	0
2.2.4.2.3.8 Produce fluor concentrate for block 8	BCWS	0	0	0	0	0	0	4,478	0	0	0	0
2.2.4.2.3.9 Produce fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	4,478	0	0	0
2.2.4.2.4.1 QC fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.10 QC fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	811	0	0
2.2.4.2.4.11 QC fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	811	0	0
2.2.4.2.4.12 QC fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	811	0
2.2.4.2.4.13 QC fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	811	0
2.2.4.2.4.14 QC fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	811
2.2.4.2.4.15 QC fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.16 QC fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.17 QC fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.18 QC fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.19 QC fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.2 QC fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.20 QC fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.21 QC fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.22 QC fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.23 QC fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.24 QC fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.25 QC fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.26 QC fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.27 QC fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.28 QC fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.29 QC fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.3 QC fluor concentrate for block 3	BCWS	0	0	0	811	0	0	0	0	0	0	0
2.2.4.2.4.30 QC fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.2.4.2.2 QC preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.1 Produce fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.10 Produce fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.11 Produce fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.12 Produce fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.13 Produce fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.14 Produce fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.15 Produce fluor concentrate for block 15	BCWS	4,577	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.16 Produce fluor concentrate for block 16	BCWS	4,577	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.17 Produce fluor concentrate for block 17	BCWS	0	4,577	0	0	0	0	0	0	0	0	0
2.2.4.2.3.18 Produce fluor concentrate for block 18	BCWS	0	4,577	0	0	0	0	0	0	0	0	0
2.2.4.2.3.19 Produce fluor concentrate for block 19	BCWS	0	0	4,577	0	0	0	0	0	0	0	0
2.2.4.2.3.2 Produce fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.20 Produce fluor concentrate for block 20	BCWS	0	0	0	4,577	0	0	0	0	0	0	0
2.2.4.2.3.21 Produce fluor concentrate for block 21	BCWS	0	0	0	4,577	0	0	0	0	0	0	0
2.2.4.2.3.22 Produce fluor concentrate for block 22	BCWS	0	0	0	0	4,577	0	0	0	0	0	0
2.2.4.2.3.23 Produce fluor concentrate for block 23	BCWS	0	0	0	0	0	4,577	0	0	0	0	0
2.2.4.2.3.24 Produce fluor concentrate for block 24	BCWS	0	0	0	0	0	4,577	0	0	0	0	0
2.2.4.2.3.25 Produce fluor concentrate for block 25	BCWS	0	0	0	0	0	0	4,577	0	0	0	0
2.2.4.2.3.26 Produce fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	4,577	0	0	0
2.2.4.2.3.27 Produce fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	4,577	0	0	0
2.2.4.2.3.28 Produce fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	4,577	0	0
2.2.4.2.3.29 Produce fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	4,577	0	0
2.2.4.2.3.3 Produce fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.30 Produce fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	4,577	0
2.2.4.2.3.4 Produce fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.5 Produce fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.6 Produce fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.7 Produce fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.8 Produce fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.9 Produce fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.1 QC fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.10 QC fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.11 QC fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.12 QC fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.13 QC fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.14 QC fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.15 QC fluor concentrate for block 15	BCWS	829	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.16 QC fluor concentrate for block 16	BCWS	829	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.17 QC fluor concentrate for block 17	BCWS	0	829	0	0	0	0	0	0	0	0	0
2.2.4.2.4.18 QC fluor concentrate for block 18	BCWS	0	829	0	0	0	0	0	0	0	0	0
2.2.4.2.4.19 QC fluor concentrate for block 19	BCWS	0	0	829	0	0	0	0	0	0	0	0
2.2.4.2.4.2 QC fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.20 QC fluor concentrate for block 20	BCWS	0	0	0	829	0	0	0	0	0	0	0
2.2.4.2.4.21 QC fluor concentrate for block 21	BCWS	0	0	0	829	0	0	0	0	0	0	0
2.2.4.2.4.22 QC fluor concentrate for block 22	BCWS	0	0	0	0	829	0	0	0	0	0	0
2.2.4.2.4.23 QC fluor concentrate for block 23	BCWS	0	0	0	0	0	829	0	0	0	0	0
2.2.4.2.4.24 QC fluor concentrate for block 24	BCWS	0	0	0	0	0	829	0	0	0	0	0
2.2.4.2.4.25 QC fluor concentrate for block 25	BCWS	0	0	0	0	0	0	829	0	0	0	0
2.2.4.2.4.26 QC fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	829	0	0	0
2.2.4.2.4.27 QC fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	829	0	0	0
2.2.4.2.4.28 QC fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	829	0	0
2.2.4.2.4.29 QC fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	829	0	0
2.2.4.2.4.3 QC fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.30 QC fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	829	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.2.4.2.2 QC preproduction batch of fluor concentrate	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.1 Produce fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.10 Produce fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.11 Produce fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.12 Produce fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.13 Produce fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.14 Produce fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.15 Produce fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.16 Produce fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.17 Produce fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.18 Produce fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.19 Produce fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.2 Produce fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.20 Produce fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.21 Produce fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.22 Produce fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.23 Produce fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.24 Produce fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.25 Produce fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.26 Produce fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.27 Produce fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.28 Produce fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.29 Produce fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.3 Produce fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.30 Produce fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.4 Produce fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.5 Produce fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.6 Produce fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.7 Produce fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.8 Produce fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.3.9 Produce fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.1 QC fluor concentrate for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.10 QC fluor concentrate for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.11 QC fluor concentrate for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.12 QC fluor concentrate for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.13 QC fluor concentrate for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.14 QC fluor concentrate for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.15 QC fluor concentrate for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.16 QC fluor concentrate for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.17 QC fluor concentrate for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.18 QC fluor concentrate for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.19 QC fluor concentrate for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.2 QC fluor concentrate for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.20 QC fluor concentrate for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.21 QC fluor concentrate for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.22 QC fluor concentrate for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.23 QC fluor concentrate for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.24 QC fluor concentrate for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.25 QC fluor concentrate for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.26 QC fluor concentrate for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.27 QC fluor concentrate for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.28 QC fluor concentrate for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.29 QC fluor concentrate for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.3 QC fluor concentrate for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.30 QC fluor concentrate for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
NV-DEC10	NOvA projec			
Run Date:	Status Date:			
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WP[20]		AUG14	SEP14	Cumulative
2.2.4.2.2 QC preproduction batch of fluor concentrate	BCWS	0	0	11,010
2.2.4.2.3.1 Produce fluor concentrate for block 1	BCWS	0	0	4,382
2.2.4.2.3.10 Produce fluor concentrate for block 10	BCWS	0	0	4,478
2.2.4.2.3.11 Produce fluor concentrate for block 11	BCWS	0	0	4,478
2.2.4.2.3.12 Produce fluor concentrate for block 12	BCWS	0	0	4,478
2.2.4.2.3.13 Produce fluor concentrate for block 13	BCWS	0	0	4,478
2.2.4.2.3.14 Produce fluor concentrate for block 14	BCWS	0	0	4,478
2.2.4.2.3.15 Produce fluor concentrate for block 15	BCWS	0	0	4,577
2.2.4.2.3.16 Produce fluor concentrate for block 16	BCWS	0	0	4,577
2.2.4.2.3.17 Produce fluor concentrate for block 17	BCWS	0	0	4,577
2.2.4.2.3.18 Produce fluor concentrate for block 18	BCWS	0	0	4,577
2.2.4.2.3.19 Produce fluor concentrate for block 19	BCWS	0	0	4,577
2.2.4.2.3.2 Produce fluor concentrate for block 2	BCWS	0	0	4,382
2.2.4.2.3.20 Produce fluor concentrate for block 20	BCWS	0	0	4,577
2.2.4.2.3.21 Produce fluor concentrate for block 21	BCWS	0	0	4,577
2.2.4.2.3.22 Produce fluor concentrate for block 22	BCWS	0	0	4,577
2.2.4.2.3.23 Produce fluor concentrate for block 23	BCWS	0	0	4,577
2.2.4.2.3.24 Produce fluor concentrate for block 24	BCWS	0	0	4,577
2.2.4.2.3.25 Produce fluor concentrate for block 25	BCWS	0	0	4,577
2.2.4.2.3.26 Produce fluor concentrate for block 26	BCWS	0	0	4,577
2.2.4.2.3.27 Produce fluor concentrate for block 27	BCWS	0	0	4,577
2.2.4.2.3.28 Produce fluor concentrate for block 28	BCWS	0	0	4,577
2.2.4.2.3.29 Produce fluor concentrate for block 29	BCWS	0	0	4,577
2.2.4.2.3.3 Produce fluor concentrate for block 3	BCWS	0	0	4,478
2.2.4.2.3.30 Produce fluor concentrate for block 30	BCWS	0	0	4,577
2.2.4.2.3.4 Produce fluor concentrate for block 4	BCWS	0	0	4,478
2.2.4.2.3.5 Produce fluor concentrate for block 5	BCWS	0	0	4,478
2.2.4.2.3.6 Produce fluor concentrate for block 6	BCWS	0	0	4,478
2.2.4.2.3.7 Produce fluor concentrate for block 7	BCWS	0	0	4,478
2.2.4.2.3.8 Produce fluor concentrate for block 8	BCWS	0	0	4,478
2.2.4.2.3.9 Produce fluor concentrate for block 9	BCWS	0	0	4,478
2.2.4.2.4.1 QC fluor concentrate for block 1	BCWS	0	0	6,767
2.2.4.2.4.10 QC fluor concentrate for block 10	BCWS	0	0	811
2.2.4.2.4.11 QC fluor concentrate for block 11	BCWS	0	0	811
2.2.4.2.4.12 QC fluor concentrate for block 12	BCWS	0	0	811
2.2.4.2.4.13 QC fluor concentrate for block 13	BCWS	0	0	811
2.2.4.2.4.14 QC fluor concentrate for block 14	BCWS	0	0	811
2.2.4.2.4.15 QC fluor concentrate for block 15	BCWS	0	0	829
2.2.4.2.4.16 QC fluor concentrate for block 16	BCWS	0	0	829
2.2.4.2.4.17 QC fluor concentrate for block 17	BCWS	0	0	829
2.2.4.2.4.18 QC fluor concentrate for block 18	BCWS	0	0	829
2.2.4.2.4.19 QC fluor concentrate for block 19	BCWS	0	0	829
2.2.4.2.4.2 QC fluor concentrate for block 2	BCWS	0	0	6,767
2.2.4.2.4.20 QC fluor concentrate for block 20	BCWS	0	0	829
2.2.4.2.4.21 QC fluor concentrate for block 21	BCWS	0	0	829
2.2.4.2.4.22 QC fluor concentrate for block 22	BCWS	0	0	829
2.2.4.2.4.23 QC fluor concentrate for block 23	BCWS	0	0	829
2.2.4.2.4.24 QC fluor concentrate for block 24	BCWS	0	0	829
2.2.4.2.4.25 QC fluor concentrate for block 25	BCWS	0	0	829
2.2.4.2.4.26 QC fluor concentrate for block 26	BCWS	0	0	829
2.2.4.2.4.27 QC fluor concentrate for block 27	BCWS	0	0	829
2.2.4.2.4.28 QC fluor concentrate for block 28	BCWS	0	0	829
2.2.4.2.4.29 QC fluor concentrate for block 29	BCWS	0	0	829
2.2.4.2.4.3 QC fluor concentrate for block 3	BCWS	0	0	811
2.2.4.2.4.30 QC fluor concentrate for block 30	BCWS	0	0	829

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.2.4.2.4.4 QC fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.5 QC fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.6 QC fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.7 QC fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.8 QC fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.9 QC fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.1 Prepare preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.2 QC preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.1 Blend scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.10 Blend scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.11 Blend scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.12 Blend scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.13 Blend scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.14 Blend scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.15 Blend scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.16 Blend scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.17 Blend scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.18 Blend scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.19 Blend scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.2 Blend scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.20 Blend scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.21 Blend scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.22 Blend scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.23 Blend scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.24 Blend scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.25 Blend scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.26 Blend scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.27 Blend scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.28 Blend scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.29 Blend scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.3 Blend scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.30 Blend scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.4 Blend scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.5 Blend scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.6 Blend scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.7 Blend scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.8 Blend scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.9 Blend scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.34 Blend fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.1 QC scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.10 QC scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.11 QC scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.12 QC scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.13 QC scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.14 QC scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.15 QC scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.16 QC scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.17 QC scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.18 QC scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.19 QC scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.2 QC scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.20 QC scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.21 QC scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.22 QC scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.23 QC scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.2.4.2.4.4 QC fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.5 QC fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.6 QC fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.7 QC fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.8 QC fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.9 QC fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.1 Prepare preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.2 QC preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.1 Blend scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.10 Blend scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.11 Blend scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.12 Blend scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.13 Blend scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.14 Blend scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.15 Blend scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.16 Blend scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.17 Blend scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.18 Blend scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.19 Blend scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.2 Blend scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.20 Blend scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.21 Blend scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.22 Blend scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.23 Blend scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.24 Blend scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.25 Blend scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.26 Blend scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.27 Blend scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.28 Blend scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.29 Blend scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.3 Blend scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.30 Blend scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.4 Blend scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.5 Blend scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.6 Blend scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.7 Blend scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.8 Blend scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.9 Blend scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.34 Blend fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.1 QC scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.10 QC scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.11 QC scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.12 QC scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.13 QC scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.14 QC scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.15 QC scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.16 QC scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.17 QC scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.18 QC scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.19 QC scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.2 QC scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.20 QC scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.21 QC scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.22 QC scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.23 QC scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.2.4.2.4.4 QC fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.5 QC fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.6 QC fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.7 QC fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.8 QC fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.9 QC fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.1 Prepare preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.2 QC preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.1 Blend scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.10 Blend scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.11 Blend scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.12 Blend scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.13 Blend scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.14 Blend scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.15 Blend scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.16 Blend scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.17 Blend scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.18 Blend scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.19 Blend scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.2 Blend scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.20 Blend scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.21 Blend scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.22 Blend scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.23 Blend scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.24 Blend scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.25 Blend scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.26 Blend scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.27 Blend scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.28 Blend scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.29 Blend scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.3 Blend scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.30 Blend scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.4 Blend scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.5 Blend scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.6 Blend scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.7 Blend scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.8 Blend scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.9 Blend scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.34 Blend fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.1 QC scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.10 QC scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.11 QC scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.12 QC scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.13 QC scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.14 QC scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.15 QC scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.16 QC scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.17 QC scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.18 QC scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.19 QC scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.2 QC scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.20 QC scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.21 QC scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.22 QC scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.23 QC scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.2.4.2.4.4 QC fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.5 QC fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.6 QC fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.7 QC fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.8 QC fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.9 QC fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.1 Prepare preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.2 QC preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.1 Blend scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.10 Blend scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.11 Blend scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.12 Blend scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.13 Blend scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.14 Blend scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.15 Blend scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.16 Blend scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.17 Blend scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.18 Blend scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.19 Blend scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.2 Blend scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.20 Blend scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.21 Blend scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.22 Blend scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.23 Blend scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.24 Blend scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.25 Blend scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.26 Blend scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.27 Blend scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.28 Blend scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.29 Blend scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.3 Blend scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.30 Blend scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.4 Blend scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.5 Blend scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.6 Blend scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.7 Blend scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.8 Blend scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.9 Blend scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.34 Blend fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	26,421	0	0	0	0	0
2.2.4.3.4.1 QC scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.10 QC scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.11 QC scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.12 QC scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.13 QC scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.14 QC scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.15 QC scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.16 QC scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.17 QC scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.18 QC scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.19 QC scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.2 QC scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.20 QC scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.21 QC scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.22 QC scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.23 QC scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.2.4.2.4.4 QC fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.5 QC fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.6 QC fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.7 QC fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.8 QC fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.9 QC fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.1 Prepare preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	11,332	0	0	0	0
2.2.4.3.2 QC preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	3,442	13,769	0	0	0
2.2.4.3.3.1 Blend scintillator for block 1	BCWS	0	0	0	0	0	0	7,214	0	0	0	0
2.2.4.3.3.10 Blend scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.11 Blend scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.12 Blend scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.13 Blend scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.14 Blend scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.15 Blend scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.16 Blend scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.17 Blend scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.18 Blend scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.19 Blend scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.2 Blend scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	7,214	0	0
2.2.4.3.3.20 Blend scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.21 Blend scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.22 Blend scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.23 Blend scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.24 Blend scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.25 Blend scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.26 Blend scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.27 Blend scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.28 Blend scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.29 Blend scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.3 Blend scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.30 Blend scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.4 Blend scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.5 Blend scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.6 Blend scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.7 Blend scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.8 Blend scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.9 Blend scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.34 Blend fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.1 QC scintillator for block 1	BCWS	0	0	0	0	0	0	2,253	9,010	0	0	0
2.2.4.3.4.10 QC scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.11 QC scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.12 QC scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.13 QC scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.14 QC scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.15 QC scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.16 QC scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.17 QC scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.18 QC scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.19 QC scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.2 QC scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	11,263	0
2.2.4.3.4.20 QC scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.21 QC scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.22 QC scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.23 QC scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.2.4.2.4.4 QC fluor concentrate for block 4	BCWS	0	0	0	0	811	0	0	0	0	0	0
2.2.4.2.4.5 QC fluor concentrate for block 5	BCWS	0	0	0	0	0	811	0	0	0	0	0
2.2.4.2.4.6 QC fluor concentrate for block 6	BCWS	0	0	0	0	0	811	0	0	0	0	0
2.2.4.2.4.7 QC fluor concentrate for block 7	BCWS	0	0	0	0	0	0	811	0	0	0	0
2.2.4.2.4.8 QC fluor concentrate for block 8	BCWS	0	0	0	0	0	0	811	0	0	0	0
2.2.4.2.4.9 QC fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	811	0	0	0
2.2.4.3.1 Prepare preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.2 QC preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.1 Blend scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.10 Blend scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.11 Blend scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.12 Blend scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.13 Blend scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.14 Blend scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.15 Blend scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.16 Blend scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.17 Blend scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.18 Blend scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.19 Blend scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.2 Blend scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.20 Blend scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.21 Blend scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.22 Blend scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.23 Blend scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.24 Blend scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.25 Blend scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.26 Blend scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.27 Blend scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.28 Blend scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.29 Blend scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.3 Blend scintillator for block 3	BCWS	0	0	0	0	0	0	0	7,373	0	0	0
2.2.4.3.3.30 Blend scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.4 Blend scintillator for block 4	BCWS	0	0	0	0	0	0	0	7,373	0	0	0
2.2.4.3.3.5 Blend scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	7,373	0	0
2.2.4.3.3.6 Blend scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	7,373	0	0
2.2.4.3.3.7 Blend scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	7,373	0
2.2.4.3.3.8 Blend scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	7,373
2.2.4.3.3.9 Blend scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	7,373
2.2.4.3.3.34 Blend fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.1 QC scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.10 QC scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.11 QC scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.12 QC scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.13 QC scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.14 QC scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.15 QC scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.16 QC scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.17 QC scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.18 QC scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.19 QC scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.2 QC scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.20 QC scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.21 QC scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.22 QC scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.23 QC scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.2.4.2.4.4 QC fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.5 QC fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.6 QC fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.7 QC fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.8 QC fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.9 QC fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.1 Prepare preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.2 QC preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.1 Blend scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.10 Blend scintillator for block 10	BCWS	7,535	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.11 Blend scintillator for block 11	BCWS	7,535	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.12 Blend scintillator for block 12	BCWS	0	7,535	0	0	0	0	0	0	0	0	0
2.2.4.3.3.13 Blend scintillator for block 13	BCWS	0	0	7,535	0	0	0	0	0	0	0	0
2.2.4.3.3.14 Blend scintillator for block 14	BCWS	0	0	7,535	0	0	0	0	0	0	0	0
2.2.4.3.3.15 Blend scintillator for block 15	BCWS	0	0	0	7,535	0	0	0	0	0	0	0
2.2.4.3.3.16 Blend scintillator for block 16	BCWS	0	0	0	0	7,535	0	0	0	0	0	0
2.2.4.3.3.17 Blend scintillator for block 17	BCWS	0	0	0	0	7,535	0	0	0	0	0	0
2.2.4.3.3.18 Blend scintillator for block 18	BCWS	0	0	0	0	0	7,535	0	0	0	0	0
2.2.4.3.3.19 Blend scintillator for block 19	BCWS	0	0	0	0	0	0	7,535	0	0	0	0
2.2.4.3.3.2 Blend scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.20 Blend scintillator for block 20	BCWS	0	0	0	0	0	0	7,535	0	0	0	0
2.2.4.3.3.21 Blend scintillator for block 21	BCWS	0	0	0	0	0	0	0	7,535	0	0	0
2.2.4.3.3.22 Blend scintillator for block 22	BCWS	0	0	0	0	0	0	0	7,535	0	0	0
2.2.4.3.3.23 Blend scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	7,535	0	0
2.2.4.3.3.24 Blend scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	7,535	0
2.2.4.3.3.25 Blend scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	7,535	0
2.2.4.3.3.26 Blend scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	7,535
2.2.4.3.3.27 Blend scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	7,535
2.2.4.3.3.28 Blend scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.29 Blend scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.3 Blend scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.30 Blend scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.4 Blend scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.5 Blend scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.6 Blend scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.7 Blend scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.8 Blend scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.9 Blend scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.34 Blend fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.1 QC scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.10 QC scintillator for block 10	BCWS	7,196	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.11 QC scintillator for block 11	BCWS	7,196	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.12 QC scintillator for block 12	BCWS	0	7,196	0	0	0	0	0	0	0	0	0
2.2.4.3.4.13 QC scintillator for block 13	BCWS	0	0	7,196	0	0	0	0	0	0	0	0
2.2.4.3.4.14 QC scintillator for block 14	BCWS	0	0	0	7,196	0	0	0	0	0	0	0
2.2.4.3.4.15 QC scintillator for block 15	BCWS	0	0	0	7,196	0	0	0	0	0	0	0
2.2.4.3.4.16 QC scintillator for block 16	BCWS	0	0	0	0	7,196	0	0	0	0	0	0
2.2.4.3.4.17 QC scintillator for block 17	BCWS	0	0	0	0	7,196	0	0	0	0	0	0
2.2.4.3.4.18 QC scintillator for block 18	BCWS	0	0	0	0	0	7,196	0	0	0	0	0
2.2.4.3.4.19 QC scintillator for block 19	BCWS	0	0	0	0	0	0	7,196	0	0	0	0
2.2.4.3.4.2 QC scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.20 QC scintillator for block 20	BCWS	0	0	0	0	0	0	7,196	0	0	0	0
2.2.4.3.4.21 QC scintillator for block 21	BCWS	0	0	0	0	0	0	0	7,196	0	0	0
2.2.4.3.4.22 QC scintillator for block 22	BCWS	0	0	0	0	0	0	0	7,196	0	0	0
2.2.4.3.4.23 QC scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	7,196	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.2.4.2.4.4 QC fluor concentrate for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.5 QC fluor concentrate for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.6 QC fluor concentrate for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.7 QC fluor concentrate for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.8 QC fluor concentrate for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.2.4.9 QC fluor concentrate for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.1 Prepare preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.2 QC preproduction batch of scintillator blend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.1 Blend scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.10 Blend scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.11 Blend scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.12 Blend scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.13 Blend scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.14 Blend scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.15 Blend scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.16 Blend scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.17 Blend scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.18 Blend scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.19 Blend scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.2 Blend scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.20 Blend scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.21 Blend scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.22 Blend scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.23 Blend scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.24 Blend scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.25 Blend scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.26 Blend scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.27 Blend scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.28 Blend scintillator for block 28	BCWS	7,535	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.29 Blend scintillator for block 29	BCWS	0	7,701	0	0	0	0	0	0	0	0	0
2.2.4.3.3.3 Blend scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.30 Blend scintillator for block 30	BCWS	0	0	7,701	0	0	0	0	0	0	0	0
2.2.4.3.3.4 Blend scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.5 Blend scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.6 Blend scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.7 Blend scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.8 Blend scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.9 Blend scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.3.34 Blend fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.1 QC scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.10 QC scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.11 QC scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.12 QC scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.13 QC scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.14 QC scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.15 QC scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.16 QC scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.17 QC scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.18 QC scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.19 QC scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.2 QC scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.20 QC scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.21 QC scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.22 QC scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.23 QC scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
NV-DEC10	NOvA projec			
Run Date:	Status Date:			
3/8/2011	12/31/2010			

WP[20]		AUG14	SEP14	Cumulative
2.2.4.2.4.4 QC fluor concentrate for block 4	BCWS	0	0	811
2.2.4.2.4.5 QC fluor concentrate for block 5	BCWS	0	0	811
2.2.4.2.4.6 QC fluor concentrate for block 6	BCWS	0	0	811
2.2.4.2.4.7 QC fluor concentrate for block 7	BCWS	0	0	811
2.2.4.2.4.8 QC fluor concentrate for block 8	BCWS	0	0	811
2.2.4.2.4.9 QC fluor concentrate for block 9	BCWS	0	0	811
2.2.4.3.1 Prepare preproduction batch of scintillator blend	BCWS	0	0	11,332
2.2.4.3.2 QC preproduction batch of scintillator blend	BCWS	0	0	17,211
2.2.4.3.3.1 Blend scintillator for block 1	BCWS	0	0	7,214
2.2.4.3.3.10 Blend scintillator for block 10	BCWS	0	0	7,535
2.2.4.3.3.11 Blend scintillator for block 11	BCWS	0	0	7,535
2.2.4.3.3.12 Blend scintillator for block 12	BCWS	0	0	7,535
2.2.4.3.3.13 Blend scintillator for block 13	BCWS	0	0	7,535
2.2.4.3.3.14 Blend scintillator for block 14	BCWS	0	0	7,535
2.2.4.3.3.15 Blend scintillator for block 15	BCWS	0	0	7,535
2.2.4.3.3.16 Blend scintillator for block 16	BCWS	0	0	7,535
2.2.4.3.3.17 Blend scintillator for block 17	BCWS	0	0	7,535
2.2.4.3.3.18 Blend scintillator for block 18	BCWS	0	0	7,535
2.2.4.3.3.19 Blend scintillator for block 19	BCWS	0	0	7,535
2.2.4.3.3.2 Blend scintillator for block 2	BCWS	0	0	7,214
2.2.4.3.3.20 Blend scintillator for block 20	BCWS	0	0	7,535
2.2.4.3.3.21 Blend scintillator for block 21	BCWS	0	0	7,535
2.2.4.3.3.22 Blend scintillator for block 22	BCWS	0	0	7,535
2.2.4.3.3.23 Blend scintillator for block 23	BCWS	0	0	7,535
2.2.4.3.3.24 Blend scintillator for block 24	BCWS	0	0	7,535
2.2.4.3.3.25 Blend scintillator for block 25	BCWS	0	0	7,535
2.2.4.3.3.26 Blend scintillator for block 26	BCWS	0	0	7,535
2.2.4.3.3.27 Blend scintillator for block 27	BCWS	0	0	7,535
2.2.4.3.3.28 Blend scintillator for block 28	BCWS	0	0	7,535
2.2.4.3.3.29 Blend scintillator for block 29	BCWS	0	0	7,701
2.2.4.3.3.3 Blend scintillator for block 3	BCWS	0	0	7,373
2.2.4.3.3.30 Blend scintillator for block 30	BCWS	0	0	7,701
2.2.4.3.3.4 Blend scintillator for block 4	BCWS	0	0	7,373
2.2.4.3.3.5 Blend scintillator for block 5	BCWS	0	0	7,373
2.2.4.3.3.6 Blend scintillator for block 6	BCWS	0	0	7,373
2.2.4.3.3.7 Blend scintillator for block 7	BCWS	0	0	7,373
2.2.4.3.3.8 Blend scintillator for block 8	BCWS	0	0	7,373
2.2.4.3.3.9 Blend scintillator for block 9	BCWS	0	0	7,373
2.2.4.3.3.34 Blend fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	26,421
2.2.4.3.4.1 QC scintillator for block 1	BCWS	0	0	11,263
2.2.4.3.4.10 QC scintillator for block 10	BCWS	0	0	7,196
2.2.4.3.4.11 QC scintillator for block 11	BCWS	0	0	7,196
2.2.4.3.4.12 QC scintillator for block 12	BCWS	0	0	7,196
2.2.4.3.4.13 QC scintillator for block 13	BCWS	0	0	7,196
2.2.4.3.4.14 QC scintillator for block 14	BCWS	0	0	7,196
2.2.4.3.4.15 QC scintillator for block 15	BCWS	0	0	7,196
2.2.4.3.4.16 QC scintillator for block 16	BCWS	0	0	7,196
2.2.4.3.4.17 QC scintillator for block 17	BCWS	0	0	7,196
2.2.4.3.4.18 QC scintillator for block 18	BCWS	0	0	7,196
2.2.4.3.4.19 QC scintillator for block 19	BCWS	0	0	7,196
2.2.4.3.4.2 QC scintillator for block 2	BCWS	0	0	11,263
2.2.4.3.4.20 QC scintillator for block 20	BCWS	0	0	7,196
2.2.4.3.4.21 QC scintillator for block 21	BCWS	0	0	7,196
2.2.4.3.4.22 QC scintillator for block 22	BCWS	0	0	7,196
2.2.4.3.4.23 QC scintillator for block 23	BCWS	0	0	7,196

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.2.4.3.4.24 QC scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.25 QC scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.26 QC scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.27 QC scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.28 QC scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.29 QC scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.3 QC scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.30 QC scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.4 QC scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.5 QC scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.6 QC scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.7 QC scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.8 QC scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.9 QC scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.34 QC fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.2 Production Blending Development - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.3 Production Blending Development - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.4 Production Blending Development - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.5 Production Blending Development - FY11 - Supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.1 Storage (ND Scintillator)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.2 Near detector scintillator transport to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.1 Deliver scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.10 Deliver scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.11 Deliver scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.12 Deliver scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.13 Deliver scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.14 Deliver scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.15 Deliver scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.16 Deliver scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.17 Deliver scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.18 Deliver scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.19 Deliver scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.2 Deliver scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.20 Deliver scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.21 Deliver scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.22 Deliver scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.23 Deliver scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.24 Deliver scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.25 Deliver scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.26 Deliver scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.27 Deliver scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.28 Deliver scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.29 Deliver scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.3 Deliver scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.30 Deliver scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.4 Deliver scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.5 Deliver scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.6 Deliver scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.7 Deliver scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.8 Deliver scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.9 Deliver scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.2.4.3.4.24 QC scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.25 QC scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.26 QC scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.27 QC scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.28 QC scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.29 QC scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.3 QC scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.30 QC scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.4 QC scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.5 QC scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.6 QC scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.7 QC scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.8 QC scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.9 QC scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.34 QC fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.2 Production Blending Development - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.3 Production Blending Development - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.4 Production Blending Development - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.5 Production Blending Development - FY11 - Supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.1 Storage (ND Scintillator)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.2 Near detector scintillator transport to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.1 Deliver scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.10 Deliver scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.11 Deliver scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.12 Deliver scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.13 Deliver scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.14 Deliver scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.15 Deliver scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.16 Deliver scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.17 Deliver scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.18 Deliver scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.19 Deliver scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.2 Deliver scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.20 Deliver scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.21 Deliver scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.22 Deliver scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.23 Deliver scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.24 Deliver scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.25 Deliver scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.26 Deliver scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.27 Deliver scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.28 Deliver scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.29 Deliver scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.3 Deliver scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.30 Deliver scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.4 Deliver scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.5 Deliver scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.6 Deliver scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.7 Deliver scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.8 Deliver scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.9 Deliver scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.2.4.3.4.24 QC scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.25 QC scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.26 QC scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.27 QC scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.28 QC scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.29 QC scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.3 QC scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.30 QC scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.4 QC scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.5 QC scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.6 QC scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.7 QC scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.8 QC scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.9 QC scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.34 QC fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.2 Production Blending Development - FY09	BCWS	3,358	3,693	3,693	3,358	3,693	3,693	3,525	3,525	0	0	0
2.2.4.4.3 Production Blending Development - FY10	BCWS	0	0	0	0	0	0	0	0	3,833	3,311	3,485
2.2.4.4.4 Production Blending Development - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.5 Production Blending Development - FY11 - Supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.1 Storage (ND Scintillator)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.2 Near detector scintillator transport to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.1 Deliver scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.10 Deliver scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.11 Deliver scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.12 Deliver scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.13 Deliver scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.14 Deliver scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.15 Deliver scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.16 Deliver scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.17 Deliver scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.18 Deliver scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.19 Deliver scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.2 Deliver scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.20 Deliver scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.21 Deliver scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.22 Deliver scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.23 Deliver scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.24 Deliver scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.25 Deliver scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.26 Deliver scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.27 Deliver scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.28 Deliver scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.29 Deliver scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.3 Deliver scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.30 Deliver scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.4 Deliver scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.5 Deliver scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.6 Deliver scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.7 Deliver scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.8 Deliver scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.9 Deliver scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.2 Travel	BCWS	1,854	2,039	2,039	1,854	2,039	2,039	1,946	1,946	0	0	0
2.2.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	1,416	1,223	1,287

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.2.4.3.4.24 QC scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.25 QC scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.26 QC scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.27 QC scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.28 QC scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.29 QC scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.3 QC scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.30 QC scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.4 QC scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.5 QC scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.6 QC scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.7 QC scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.8 QC scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.9 QC scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.34 QC fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	6,524	0	0	0	0	0
2.2.4.4.2 Production Blending Development - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.3 Production Blending Development - FY10	BCWS	3,311	3,485	4,008	3,833	3,485	3,833	3,659	3,833	3,485	0	0
2.2.4.4.4 Production Blending Development - FY11	BCWS	0	0	0	0	0	0	0	0	0	3,702	3,526
2.2.4.4.5 Production Blending Development - FY11 - Supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.1 Storage (ND Scintillator)	BCWS	0	0	0	0	0	2,683	7,044	7,379	7,044	0	0
2.2.5.2 Near detector scintillator transport to FNAL	BCWS	0	0	0	0	0	0	511	2,809	2,681	0	0
2.2.5.3.1 Deliver scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.10 Deliver scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.11 Deliver scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.12 Deliver scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.13 Deliver scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.14 Deliver scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.15 Deliver scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.16 Deliver scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.17 Deliver scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.18 Deliver scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.19 Deliver scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.2 Deliver scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.20 Deliver scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.21 Deliver scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.22 Deliver scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.23 Deliver scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.24 Deliver scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.25 Deliver scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.26 Deliver scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.27 Deliver scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.28 Deliver scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.29 Deliver scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.3 Deliver scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.30 Deliver scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.4 Deliver scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.5 Deliver scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.6 Deliver scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.7 Deliver scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.8 Deliver scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.9 Deliver scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.2 Travel	BCWS	1,223	1,287	1,480	1,416	1,287	1,416	1,351	1,416	1,287	0	0

Program:	Description:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.2.4.3.4.24 QC scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.25 QC scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.26 QC scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.27 QC scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.28 QC scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.29 QC scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.3 QC scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.30 QC scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.4 QC scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.5 QC scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.6 QC scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.7 QC scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.8 QC scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.9 QC scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.34 QC fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.2 Production Blending Development - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.3 Production Blending Development - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.4 Production Blending Development - FY11	BCWS	3,526	3,349	3,526	4,055	3,702	3,702	3,878	3,526	4,055	3,349	0
2.2.4.4.5 Production Blending Development - FY11 - Supplemental	BCWS	0	963	1,014	1,166	1,065	1,065	1,116	1,014	1,166	1,014	0
2.2.5.1 Storage (ND Scintillator)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.2 Near detector scintillator transport to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.1 Deliver scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.10 Deliver scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.11 Deliver scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.12 Deliver scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.13 Deliver scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.14 Deliver scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.15 Deliver scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.16 Deliver scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.17 Deliver scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.18 Deliver scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.19 Deliver scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.2 Deliver scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.20 Deliver scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.21 Deliver scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.22 Deliver scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.23 Deliver scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.24 Deliver scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.25 Deliver scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.26 Deliver scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.27 Deliver scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.28 Deliver scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.29 Deliver scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.3 Deliver scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.30 Deliver scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.4 Deliver scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.5 Deliver scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.6 Deliver scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.7 Deliver scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.8 Deliver scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.9 Deliver scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.2.4.3.4.24 QC scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.25 QC scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.26 QC scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.27 QC scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.28 QC scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.29 QC scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.3 QC scintillator for block 3	BCWS	0	0	0	0	0	0	0	6,887	0	0	0
2.2.4.3.4.30 QC scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.4 QC scintillator for block 4	BCWS	0	0	0	0	0	0	0	6,887	0	0	0
2.2.4.3.4.5 QC scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	6,887	0	0
2.2.4.3.4.6 QC scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	6,887	0	0
2.2.4.3.4.7 QC scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	6,887	0
2.2.4.3.4.8 QC scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	6,887
2.2.4.3.4.9 QC scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	6,887
2.2.4.3.4.34 QC fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.2 Production Blending Development - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.3 Production Blending Development - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.4 Production Blending Development - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.5 Production Blending Development - FY11 - Supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.1 Storage (ND Scintillator)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.2 Near detector scintillator transport to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.1 Deliver scintillator for block 1	BCWS	0	0	0	0	0	0	51,331	0	0	0	0
2.2.5.3.10 Deliver scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.11 Deliver scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.12 Deliver scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.13 Deliver scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.14 Deliver scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.15 Deliver scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.16 Deliver scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.17 Deliver scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.18 Deliver scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.19 Deliver scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.2 Deliver scintillator for block 2	BCWS	0	0	0	0	0	0	38,499	12,833	0	0	0
2.2.5.3.20 Deliver scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.21 Deliver scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.22 Deliver scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.23 Deliver scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.24 Deliver scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.25 Deliver scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.26 Deliver scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.27 Deliver scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.28 Deliver scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.29 Deliver scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.3 Deliver scintillator for block 3	BCWS	0	0	0	0	0	0	0	51,331	0	0	0
2.2.5.3.30 Deliver scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.4 Deliver scintillator for block 4	BCWS	0	0	0	0	0	0	0	17,110	34,221	0	0
2.2.5.3.5 Deliver scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	51,331	0	0
2.2.5.3.6 Deliver scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	51,331	0
2.2.5.3.7 Deliver scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	38,499	12,833
2.2.5.3.8 Deliver scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	51,331
2.2.5.3.9 Deliver scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	8,555
2.2.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.2.4.3.4.24 QC scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	7,196	0
2.2.4.3.4.25 QC scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	7,196	0
2.2.4.3.4.26 QC scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	7,196
2.2.4.3.4.27 QC scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	7,196
2.2.4.3.4.28 QC scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.29 QC scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.3 QC scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.30 QC scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.4 QC scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.5 QC scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.6 QC scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.7 QC scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.8 QC scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.9 QC scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.34 QC fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.2 Production Blending Development - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.3 Production Blending Development - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.4 Production Blending Development - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.5 Production Blending Development - FY11 - Supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.1 Storage (ND Scintillator)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.2 Near detector scintillator transport to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.1 Deliver scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.10 Deliver scintillator for block 10	BCWS	52,564	0	0	0	0	0	0	0	0	0	0
2.2.5.3.11 Deliver scintillator for block 11	BCWS	0	52,564	0	0	0	0	0	0	0	0	0
2.2.5.3.12 Deliver scintillator for block 12	BCWS	0	26,282	26,282	0	0	0	0	0	0	0	0
2.2.5.3.13 Deliver scintillator for block 13	BCWS	0	0	48,184	4,380	0	0	0	0	0	0	0
2.2.5.3.14 Deliver scintillator for block 14	BCWS	0	0	0	49,693	0	0	0	0	0	0	0
2.2.5.3.15 Deliver scintillator for block 15	BCWS	0	0	0	22,984	22,984	0	0	0	0	0	0
2.2.5.3.16 Deliver scintillator for block 16	BCWS	0	0	0	0	45,967	0	0	0	0	0	0
2.2.5.3.17 Deliver scintillator for block 17	BCWS	0	0	0	0	0	45,967	0	0	0	0	0
2.2.5.3.18 Deliver scintillator for block 18	BCWS	0	0	0	0	0	30,645	15,322	0	0	0	0
2.2.5.3.19 Deliver scintillator for block 19	BCWS	0	0	0	0	0	0	45,967	0	0	0	0
2.2.5.3.2 Deliver scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.20 Deliver scintillator for block 20	BCWS	0	0	0	0	0	0	15,322	30,645	0	0	0
2.2.5.3.21 Deliver scintillator for block 21	BCWS	0	0	0	0	0	0	0	45,967	0	0	0
2.2.5.3.22 Deliver scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	45,967	0	0
2.2.5.3.23 Deliver scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	26,814	19,153	0
2.2.5.3.24 Deliver scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	45,967	0
2.2.5.3.25 Deliver scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	11,492	34,475
2.2.5.3.26 Deliver scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	45,967
2.2.5.3.27 Deliver scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.28 Deliver scintillator for block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.29 Deliver scintillator for block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.3 Deliver scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.30 Deliver scintillator for block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.4 Deliver scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.5 Deliver scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.6 Deliver scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.7 Deliver scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.8 Deliver scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.9 Deliver scintillator for block 9	BCWS	43,803	0	0	0	0	0	0	0	0	0	0
2.2.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.2.4.3.4.24 QC scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.25 QC scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.26 QC scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.27 QC scintillator for block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.28 QC scintillator for block 28	BCWS	7,196	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.29 QC scintillator for block 29	BCWS	0	7,520	0	0	0	0	0	0	0	0	0
2.2.4.3.4.3 QC scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.30 QC scintillator for block 30	BCWS	0	0	7,520	0	0	0	0	0	0	0	0
2.2.4.3.4.4 QC scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.5 QC scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.6 QC scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.7 QC scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.8 QC scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.9 QC scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.3.4.34 QC fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.2 Production Blending Development - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.3 Production Blending Development - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.4 Production Blending Development - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.4.4.5 Production Blending Development - FY11 - Supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.1 Storage (ND Scintillator)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.2 Near detector scintillator transport to FNAL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.1 Deliver scintillator for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.10 Deliver scintillator for block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.11 Deliver scintillator for block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.12 Deliver scintillator for block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.13 Deliver scintillator for block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.14 Deliver scintillator for block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.15 Deliver scintillator for block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.16 Deliver scintillator for block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.17 Deliver scintillator for block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.18 Deliver scintillator for block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.19 Deliver scintillator for block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.2 Deliver scintillator for block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.20 Deliver scintillator for block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.21 Deliver scintillator for block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.22 Deliver scintillator for block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.23 Deliver scintillator for block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.24 Deliver scintillator for block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.25 Deliver scintillator for block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.26 Deliver scintillator for block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.27 Deliver scintillator for block 27	BCWS	45,967	0	0	0	0	0	0	0	0	0	0
2.2.5.3.28 Deliver scintillator for block 28	BCWS	0	47,085	0	0	0	0	0	0	0	0	0
2.2.5.3.29 Deliver scintillator for block 29	BCWS	0	19,619	27,466	0	0	0	0	0	0	0	0
2.2.5.3.3 Deliver scintillator for block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.30 Deliver scintillator for block 30	BCWS	0	0	47,085	0	0	0	0	0	0	0	0
2.2.5.3.4 Deliver scintillator for block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.5 Deliver scintillator for block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.6 Deliver scintillator for block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.7 Deliver scintillator for block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.8 Deliver scintillator for block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.5.3.9 Deliver scintillator for block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
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WP[20]		AUG14	SEP14	Cumulative
2.2.4.3.4.24 QC scintillator for block 24	BCWS	0	0	7,196
2.2.4.3.4.25 QC scintillator for block 25	BCWS	0	0	7,196
2.2.4.3.4.26 QC scintillator for block 26	BCWS	0	0	7,196
2.2.4.3.4.27 QC scintillator for block 27	BCWS	0	0	7,196
2.2.4.3.4.28 QC scintillator for block 28	BCWS	0	0	7,196
2.2.4.3.4.29 QC scintillator for block 29	BCWS	0	0	7,520
2.2.4.3.4.3 QC scintillator for block 3	BCWS	0	0	6,887
2.2.4.3.4.30 QC scintillator for block 30	BCWS	0	0	7,520
2.2.4.3.4.4 QC scintillator for block 4	BCWS	0	0	6,887
2.2.4.3.4.5 QC scintillator for block 5	BCWS	0	0	6,887
2.2.4.3.4.6 QC scintillator for block 6	BCWS	0	0	6,887
2.2.4.3.4.7 QC scintillator for block 7	BCWS	0	0	6,887
2.2.4.3.4.8 QC scintillator for block 8	BCWS	0	0	6,887
2.2.4.3.4.9 QC scintillator for block 9	BCWS	0	0	6,887
2.2.4.3.4.34 QC fluor concentrate and scintillator for ND - batch 1	BCWS	0	0	6,524
2.2.4.4.2 Production Blending Development - FY09	BCWS	0	0	28,539
2.2.4.4.3 Production Blending Development - FY10	BCWS	0	0	43,560
2.2.4.4.4 Production Blending Development - FY11	BCWS	0	0	43,895
2.2.4.4.5 Production Blending Development - FY11 - Supplemental	BCWS	0	0	9,584
2.2.5.1 Storage (ND Scintillator)	BCWS	0	0	24,150
2.2.5.2 Near detector scintillator transport to FNAL	BCWS	0	0	6,000
2.2.5.3.1 Deliver scintillator for block 1	BCWS	0	0	51,331
2.2.5.3.10 Deliver scintillator for block 10	BCWS	0	0	52,564
2.2.5.3.11 Deliver scintillator for block 11	BCWS	0	0	52,564
2.2.5.3.12 Deliver scintillator for block 12	BCWS	0	0	52,564
2.2.5.3.13 Deliver scintillator for block 13	BCWS	0	0	52,564
2.2.5.3.14 Deliver scintillator for block 14	BCWS	0	0	49,693
2.2.5.3.15 Deliver scintillator for block 15	BCWS	0	0	45,967
2.2.5.3.16 Deliver scintillator for block 16	BCWS	0	0	45,967
2.2.5.3.17 Deliver scintillator for block 17	BCWS	0	0	45,967
2.2.5.3.18 Deliver scintillator for block 18	BCWS	0	0	45,967
2.2.5.3.19 Deliver scintillator for block 19	BCWS	0	0	45,967
2.2.5.3.2 Deliver scintillator for block 2	BCWS	0	0	51,331
2.2.5.3.20 Deliver scintillator for block 20	BCWS	0	0	45,967
2.2.5.3.21 Deliver scintillator for block 21	BCWS	0	0	45,967
2.2.5.3.22 Deliver scintillator for block 22	BCWS	0	0	45,967
2.2.5.3.23 Deliver scintillator for block 23	BCWS	0	0	45,967
2.2.5.3.24 Deliver scintillator for block 24	BCWS	0	0	45,967
2.2.5.3.25 Deliver scintillator for block 25	BCWS	0	0	45,967
2.2.5.3.26 Deliver scintillator for block 26	BCWS	0	0	45,967
2.2.5.3.27 Deliver scintillator for block 27	BCWS	0	0	45,967
2.2.5.3.28 Deliver scintillator for block 28	BCWS	0	0	47,085
2.2.5.3.29 Deliver scintillator for block 29	BCWS	0	0	47,085
2.2.5.3.3 Deliver scintillator for block 3	BCWS	0	0	51,331
2.2.5.3.30 Deliver scintillator for block 30	BCWS	0	0	47,085
2.2.5.3.4 Deliver scintillator for block 4	BCWS	0	0	51,331
2.2.5.3.5 Deliver scintillator for block 5	BCWS	0	0	51,331
2.2.5.3.6 Deliver scintillator for block 6	BCWS	0	0	51,331
2.2.5.3.7 Deliver scintillator for block 7	BCWS	0	0	51,331
2.2.5.3.8 Deliver scintillator for block 8	BCWS	0	0	51,331
2.2.5.3.9 Deliver scintillator for block 9	BCWS	0	0	52,359
2.2.6.2.1 Labor	BCWS	0	0	0
2.2.6.2.2 Travel	BCWS	0	0	15,757
2.2.6.3.1 Labor	BCWS	0	0	0
2.2.6.3.2 Travel	BCWS	0	0	16,088

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.2.6.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.1 Negotiate final price and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.2 Prepare WLS fiber PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.3 Submit duty waiver	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.4 Conduct production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.6 Design and Construct Kuraray Fiber QC apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.1 FY10 WLS fiber production and delivery - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.1 WLS Fiber Production - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.10 WLS Fiber Production - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.11 WLS Fiber Production - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.12 WLS Fiber Production - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.13 WLS Fiber Production - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.14 WLS Fiber Production - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.15 WLS Fiber Production - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.16 WLS Fiber Production - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.17 WLS Fiber Production - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.18 WLS Fiber Production - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.19 WLS Fiber Production - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.2 WLS Fiber Production - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.20 WLS Fiber Production - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.21 WLS Fiber Production - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.22 WLS Fiber Production - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.23 WLS Fiber Production - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.24 WLS Fiber Production - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.25 WLS Fiber Production - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.26 WLS Fiber Production - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.27 WLS Fiber Production - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.28 WLS Fiber Production - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.29 WLS Fiber Production - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.3 WLS Fiber Production - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.30 WLS Fiber Production - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.31 WLS Fiber Production - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.4 WLS Fiber Production - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.5 WLS Fiber Production - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.6 WLS Fiber Production - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.7 WLS Fiber Production - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.8 WLS Fiber Production - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.9 WLS Fiber Production - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.1 WLS Fiber Quality Assurance - FY10 - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.1 WLS Fiber Quality Assurance - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.10 WLS Fiber Quality Assurance - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.11 WLS Fiber Quality Assurance - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.12 WLS Fiber Quality Assurance - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.13 WLS Fiber Quality Assurance - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.14 WLS Fiber Quality Assurance - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.2.6.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.1 Negotiate final price and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.2 Prepare WLS fiber PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.3 Submit duty waiver	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.4 Conduct production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.6 Design and Construct Kuraray Fiber QC apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.1 FY10 WLS fiber production and delivery - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.1 WLS Fiber Production - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.10 WLS Fiber Production - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.11 WLS Fiber Production - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.12 WLS Fiber Production - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.13 WLS Fiber Production - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.14 WLS Fiber Production - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.15 WLS Fiber Production - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.16 WLS Fiber Production - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.17 WLS Fiber Production - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.18 WLS Fiber Production - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.19 WLS Fiber Production - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.2 WLS Fiber Production - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.20 WLS Fiber Production - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.21 WLS Fiber Production - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.22 WLS Fiber Production - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.23 WLS Fiber Production - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.24 WLS Fiber Production - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.25 WLS Fiber Production - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.26 WLS Fiber Production - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.27 WLS Fiber Production - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.28 WLS Fiber Production - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.29 WLS Fiber Production - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.3 WLS Fiber Production - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.30 WLS Fiber Production - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.31 WLS Fiber Production - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.4 WLS Fiber Production - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.5 WLS Fiber Production - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.6 WLS Fiber Production - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.7 WLS Fiber Production - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.8 WLS Fiber Production - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.9 WLS Fiber Production - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.1 WLS Fiber Quality Assurance - FY10 - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.1 WLS Fiber Quality Assurance - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.10 WLS Fiber Quality Assurance - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.11 WLS Fiber Quality Assurance - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.12 WLS Fiber Quality Assurance - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.13 WLS Fiber Quality Assurance - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.14 WLS Fiber Quality Assurance - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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3/8/2011	12/31/2010

WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.2.6.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.1 Negotiate final price and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.2 Prepare WLS fiber PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.3 Submit duty waiver	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.4 Conduct production readiness review	BCWS	0	0	0	0	0	0	0	0	523	0	0
2.3.1.6 Design and Construct Kuraray Fiber QC apparatus	BCWS	0	0	0	0	0	0	0	0	0	19,915	20,963
2.3.2.1.1 FY10 WLS fiber production and delivery - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.1 WLS Fiber Production - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.10 WLS Fiber Production - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.11 WLS Fiber Production - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.12 WLS Fiber Production - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.13 WLS Fiber Production - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.14 WLS Fiber Production - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.15 WLS Fiber Production - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.16 WLS Fiber Production - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.17 WLS Fiber Production - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.18 WLS Fiber Production - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.19 WLS Fiber Production - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.2 WLS Fiber Production - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.20 WLS Fiber Production - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.21 WLS Fiber Production - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.22 WLS Fiber Production - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.23 WLS Fiber Production - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.24 WLS Fiber Production - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.25 WLS Fiber Production - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.26 WLS Fiber Production - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.27 WLS Fiber Production - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.28 WLS Fiber Production - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.29 WLS Fiber Production - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.3 WLS Fiber Production - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.30 WLS Fiber Production - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.31 WLS Fiber Production - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.4 WLS Fiber Production - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.5 WLS Fiber Production - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.6 WLS Fiber Production - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.7 WLS Fiber Production - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.8 WLS Fiber Production - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.9 WLS Fiber Production - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.1 WLS Fiber Quality Assurance - FY10 - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.1 WLS Fiber Quality Assurance - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.10 WLS Fiber Quality Assurance - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.11 WLS Fiber Quality Assurance - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.12 WLS Fiber Quality Assurance - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.13 WLS Fiber Quality Assurance - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.14 WLS Fiber Quality Assurance - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.2.6.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	1,380	1,314
2.2.6.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	317	302
2.2.6.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.1 Negotiate final price and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.2 Prepare WLS fiber PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.3 Submit duty waiver	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.4 Conduct production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.6 Design and Construct Kuraray Fiber QC apparatus	BCWS	19,915	20,963	2,096	0	0	0	0	0	0	0	0
2.3.2.1.1 FY10 WLS fiber production and delivery - initial production	BCWS	0	301,171	382,320	302,008	0	0	0	0	0	0	0
2.3.2.1.15.1 WLS Fiber Production - Delivery A-1	BCWS	0	0	0	0	327,240	0	0	0	0	0	0
2.3.2.1.15.10 WLS Fiber Production - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.11 WLS Fiber Production - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.12 WLS Fiber Production - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.13 WLS Fiber Production - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.14 WLS Fiber Production - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.15 WLS Fiber Production - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.16 WLS Fiber Production - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.17 WLS Fiber Production - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.18 WLS Fiber Production - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.19 WLS Fiber Production - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.2 WLS Fiber Production - Delivery A-2	BCWS	0	0	0	0	0	0	327,240	0	0	0	0
2.3.2.1.15.20 WLS Fiber Production - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.21 WLS Fiber Production - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.22 WLS Fiber Production - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.23 WLS Fiber Production - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.24 WLS Fiber Production - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.25 WLS Fiber Production - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.26 WLS Fiber Production - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.27 WLS Fiber Production - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.28 WLS Fiber Production - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.29 WLS Fiber Production - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.3 WLS Fiber Production - Delivery A-3	BCWS	0	0	0	0	0	0	0	327,240	0	0	0
2.3.2.1.15.30 WLS Fiber Production - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.31 WLS Fiber Production - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.4 WLS Fiber Production - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	327,240	0	0
2.3.2.1.15.5 WLS Fiber Production - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	327,240	0
2.3.2.1.15.6 WLS Fiber Production - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	327,240
2.3.2.1.15.7 WLS Fiber Production - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.8 WLS Fiber Production - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.9 WLS Fiber Production - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.1 WLS Fiber Quality Assurance - FY10 - initial production	BCWS	0	20,631	26,190	20,688	0	0	0	0	0	0	0
2.3.2.12.7.1 WLS Fiber Quality Assurance - Delivery A-1	BCWS	0	0	0	0	9,464	12,619	0	0	0	0	0
2.3.2.12.7.10 WLS Fiber Quality Assurance - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.11 WLS Fiber Quality Assurance - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.12 WLS Fiber Quality Assurance - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.13 WLS Fiber Quality Assurance - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.14 WLS Fiber Quality Assurance - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.2.6.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.2 Travel	BCWS	1,314	1,248	1,314	1,511	1,380	1,380	1,445	1,314	1,511	1,314	0
2.2.6.4.4 Materials and supplies	BCWS	302	287	302	348	317	317	332	302	348	302	0
2.2.6.4.5 Labor - supplemental	BCWS	0	425	448	515	470	470	492	448	515	448	0
2.2.6.4.6 Travel - supplemental	BCWS	0	875	921	1,059	967	967	1,013	921	1,059	921	0
2.2.6.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	1,410
2.2.6.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	324
2.2.6.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.1 Negotiate final price and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.2 Prepare WLS fiber PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.3 Submit duty waiver	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.4 Conduct production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.6 Design and Construct Kuraray Fiber QC apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.1 FY10 WLS fiber production and delivery - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.1 WLS Fiber Production - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.10 WLS Fiber Production - Delivery A-10	BCWS	0	0	0	327,240	0	0	0	0	0	0	0
2.3.2.1.15.11 WLS Fiber Production - Delivery A-11	BCWS	0	0	0	0	327,240	0	0	0	0	0	0
2.3.2.1.15.12 WLS Fiber Production - Delivery A-12	BCWS	0	0	0	0	0	327,240	0	0	0	0	0
2.3.2.1.15.13 WLS Fiber Production - Delivery A-13	BCWS	0	0	0	0	0	0	327,240	0	0	0	0
2.3.2.1.15.14 WLS Fiber Production - Delivery A-14	BCWS	0	0	0	0	0	0	0	327,240	0	0	0
2.3.2.1.15.15 WLS Fiber Production - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	327,240	0	0
2.3.2.1.15.16 WLS Fiber Production - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	327,240	0
2.3.2.1.15.17 WLS Fiber Production - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	327,240
2.3.2.1.15.18 WLS Fiber Production - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.19 WLS Fiber Production - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.2 WLS Fiber Production - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.20 WLS Fiber Production - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.21 WLS Fiber Production - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.22 WLS Fiber Production - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.23 WLS Fiber Production - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.24 WLS Fiber Production - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.25 WLS Fiber Production - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.26 WLS Fiber Production - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.27 WLS Fiber Production - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.28 WLS Fiber Production - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.29 WLS Fiber Production - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.3 WLS Fiber Production - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.30 WLS Fiber Production - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.31 WLS Fiber Production - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.4 WLS Fiber Production - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.5 WLS Fiber Production - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.6 WLS Fiber Production - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.7 WLS Fiber Production - Delivery A-7	BCWS	327,240	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.8 WLS Fiber Production - Delivery A-8	BCWS	0	327,240	0	0	0	0	0	0	0	0	0
2.3.2.1.15.9 WLS Fiber Production - Delivery A-9	BCWS	0	0	327,240	0	0	0	0	0	0	0	0
2.3.2.12.1 WLS Fiber Quality Assurance - FY10 - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.1 WLS Fiber Quality Assurance - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.10 WLS Fiber Quality Assurance - Delivery A-10	BCWS	0	0	0	9,916	13,221	0	0	0	0	0	0
2.3.2.12.7.11 WLS Fiber Quality Assurance - Delivery A-11	BCWS	0	0	0	0	9,916	13,221	0	0	0	0	0
2.3.2.12.7.12 WLS Fiber Quality Assurance - Delivery A-12	BCWS	0	0	0	0	0	9,916	13,221	0	0	0	0
2.3.2.12.7.13 WLS Fiber Quality Assurance - Delivery A-13	BCWS	0	0	0	0	0	0	11,017	12,119	0	0	0
2.3.2.12.7.14 WLS Fiber Quality Assurance - Delivery A-14	BCWS	0	0	0	0	0	0	0	9,916	13,221	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.2.6.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.2 Travel	BCWS	1,343	1,276	1,343	1,410	1,477	1,410	1,477	1,410	1,410	1,544	1,276
2.2.6.5.4 Materials and supplies	BCWS	309	293	309	324	340	324	340	324	324	355	293
2.2.6.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.1 Negotiate final price and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.2 Prepare WLS fiber PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.3 Submit duty waiver	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.4 Conduct production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.6 Design and Construct Kuraray Fiber QC apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.1 FY10 WLS fiber production and delivery - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.1 WLS Fiber Production - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.10 WLS Fiber Production - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.11 WLS Fiber Production - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.12 WLS Fiber Production - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.13 WLS Fiber Production - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.14 WLS Fiber Production - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.15 WLS Fiber Production - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.16 WLS Fiber Production - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.17 WLS Fiber Production - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.18 WLS Fiber Production - Delivery A-18	BCWS	327,240	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.19 WLS Fiber Production - Delivery A-19	BCWS	0	327,240	0	0	0	0	0	0	0	0	0
2.3.2.1.15.2 WLS Fiber Production - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.20 WLS Fiber Production - Delivery A-20	BCWS	0	0	327,240	0	0	0	0	0	0	0	0
2.3.2.1.15.21 WLS Fiber Production - Delivery A-21	BCWS	0	0	0	327,240	0	0	0	0	0	0	0
2.3.2.1.15.22 WLS Fiber Production - Delivery A-22	BCWS	0	0	0	0	327,240	0	0	0	0	0	0
2.3.2.1.15.23 WLS Fiber Production - Delivery A-23	BCWS	0	0	0	0	0	327,240	0	0	0	0	0
2.3.2.1.15.24 WLS Fiber Production - Delivery A-24	BCWS	0	0	0	0	0	0	327,240	0	0	0	0
2.3.2.1.15.25 WLS Fiber Production - Delivery A-25	BCWS	0	0	0	0	0	0	0	327,240	0	0	0
2.3.2.1.15.26 WLS Fiber Production - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	327,240	0	0
2.3.2.1.15.27 WLS Fiber Production - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	327,240	0
2.3.2.1.15.28 WLS Fiber Production - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	327,240
2.3.2.1.15.29 WLS Fiber Production - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.3 WLS Fiber Production - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.30 WLS Fiber Production - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.31 WLS Fiber Production - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.4 WLS Fiber Production - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.5 WLS Fiber Production - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.6 WLS Fiber Production - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.7 WLS Fiber Production - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.8 WLS Fiber Production - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.9 WLS Fiber Production - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.1 WLS Fiber Quality Assurance - FY10 - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.1 WLS Fiber Quality Assurance - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.10 WLS Fiber Quality Assurance - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.11 WLS Fiber Quality Assurance - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.12 WLS Fiber Quality Assurance - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.13 WLS Fiber Quality Assurance - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.14 WLS Fiber Quality Assurance - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.2.6.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.2 Travel	BCWS	1,578	1,373	1,235	1,441	1,373	1,441	1,510	1,510	1,373	1,510	1,510
2.2.6.6.4 Materials and supplies	BCWS	363	316	284	331	316	331	347	347	316	347	347
2.3.1.1 Negotiate final price and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.2 Prepare WLS fiber PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.3 Submit duty waiver	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.4 Conduct production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.6 Design and Construct Kuraray Fiber QC apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.1 FY10 WLS fiber production and delivery - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.1 WLS Fiber Production - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.10 WLS Fiber Production - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.11 WLS Fiber Production - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.12 WLS Fiber Production - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.13 WLS Fiber Production - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.14 WLS Fiber Production - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.15 WLS Fiber Production - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.16 WLS Fiber Production - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.17 WLS Fiber Production - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.18 WLS Fiber Production - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.19 WLS Fiber Production - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.2 WLS Fiber Production - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.20 WLS Fiber Production - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.21 WLS Fiber Production - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.22 WLS Fiber Production - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.23 WLS Fiber Production - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.24 WLS Fiber Production - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.25 WLS Fiber Production - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.26 WLS Fiber Production - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.27 WLS Fiber Production - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.28 WLS Fiber Production - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.29 WLS Fiber Production - Delivery A-29	BCWS	327,240	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.3 WLS Fiber Production - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.30 WLS Fiber Production - Delivery A-30	BCWS	0	327,240	0	0	0	0	0	0	0	0	0
2.3.2.1.15.31 WLS Fiber Production - Delivery A-31	BCWS	0	0	302,697	0	0	0	0	0	0	0	0
2.3.2.1.15.4 WLS Fiber Production - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.5 WLS Fiber Production - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.6 WLS Fiber Production - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.7 WLS Fiber Production - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.8 WLS Fiber Production - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.9 WLS Fiber Production - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.1 WLS Fiber Quality Assurance - FY10 - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.1 WLS Fiber Quality Assurance - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.10 WLS Fiber Quality Assurance - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.11 WLS Fiber Quality Assurance - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.12 WLS Fiber Quality Assurance - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.13 WLS Fiber Quality Assurance - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.14 WLS Fiber Quality Assurance - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.2.6.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.2.6.6.2 Travel	BCWS	1,304	0	0	0	0	0	0	0	0	0	0
2.2.6.6.4 Materials and supplies	BCWS	300	0	0	0	0	0	0	0	0	0	0
2.3.1.1 Negotiate final price and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.2 Prepare WLS fiber PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.3 Submit duty waiver	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.4 Conduct production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.1.6 Design and Construct Kuraray Fiber QC apparatus	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.1 FY10 WLS fiber production and delivery - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.1 WLS Fiber Production - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.10 WLS Fiber Production - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.11 WLS Fiber Production - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.12 WLS Fiber Production - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.13 WLS Fiber Production - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.14 WLS Fiber Production - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.15 WLS Fiber Production - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.16 WLS Fiber Production - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.17 WLS Fiber Production - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.18 WLS Fiber Production - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.19 WLS Fiber Production - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.2 WLS Fiber Production - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.20 WLS Fiber Production - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.21 WLS Fiber Production - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.22 WLS Fiber Production - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.23 WLS Fiber Production - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.24 WLS Fiber Production - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.25 WLS Fiber Production - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.26 WLS Fiber Production - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.27 WLS Fiber Production - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.28 WLS Fiber Production - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.29 WLS Fiber Production - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.3 WLS Fiber Production - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.30 WLS Fiber Production - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.31 WLS Fiber Production - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.4 WLS Fiber Production - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.5 WLS Fiber Production - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.6 WLS Fiber Production - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.7 WLS Fiber Production - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.8 WLS Fiber Production - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.1.15.9 WLS Fiber Production - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.1 WLS Fiber Quality Assurance - FY10 - initial production	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.1 WLS Fiber Quality Assurance - Delivery A-1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.10 WLS Fiber Quality Assurance - Delivery A-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.11 WLS Fiber Quality Assurance - Delivery A-11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.12 WLS Fiber Quality Assurance - Delivery A-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.13 WLS Fiber Quality Assurance - Delivery A-13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.14 WLS Fiber Quality Assurance - Delivery A-14	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.2.6.4.1 Labor	BCWS	0	0	0
2.2.6.4.2 Travel	BCWS	0	0	16,426
2.2.6.4.4 Materials and supplies	BCWS	0	0	3,777
2.2.6.4.5 Labor - supplemental	BCWS	0	0	4,230
2.2.6.4.6 Travel - supplemental	BCWS	0	0	8,702
2.2.6.5.1 Labor	BCWS	0	0	0
2.2.6.5.2 Travel	BCWS	0	0	16,787
2.2.6.5.4 Materials and supplies	BCWS	0	0	3,860
2.2.6.6.1 Labor	BCWS	0	0	0
2.2.6.6.2 Travel	BCWS	0	0	17,157
2.2.6.6.4 Materials and supplies	BCWS	0	0	3,946
2.3.1.1 Negotiate final price and specifications	BCWS	0	0	0
2.3.1.2 Prepare WLS fiber PO	BCWS	0	0	0
2.3.1.3 Submit duty waiver	BCWS	0	0	0
2.3.1.4 Conduct production readiness review	BCWS	0	0	523
2.3.1.6 Design and Construct Kuraray Fiber QC apparatus	BCWS	0	0	83,852
2.3.2.1.1 FY10 WLS fiber production and delivery - initial production	BCWS	0	0	985,499
2.3.2.1.15.1 WLS Fiber Production - Delivery A-1	BCWS	0	0	327,240
2.3.2.1.15.10 WLS Fiber Production - Delivery A-10	BCWS	0	0	327,240
2.3.2.1.15.11 WLS Fiber Production - Delivery A-11	BCWS	0	0	327,240
2.3.2.1.15.12 WLS Fiber Production - Delivery A-12	BCWS	0	0	327,240
2.3.2.1.15.13 WLS Fiber Production - Delivery A-13	BCWS	0	0	327,240
2.3.2.1.15.14 WLS Fiber Production - Delivery A-14	BCWS	0	0	327,240
2.3.2.1.15.15 WLS Fiber Production - Delivery A-15	BCWS	0	0	327,240
2.3.2.1.15.16 WLS Fiber Production - Delivery A-16	BCWS	0	0	327,240
2.3.2.1.15.17 WLS Fiber Production - Delivery A-17	BCWS	0	0	327,240
2.3.2.1.15.18 WLS Fiber Production - Delivery A-18	BCWS	0	0	327,240
2.3.2.1.15.19 WLS Fiber Production - Delivery A-19	BCWS	0	0	327,240
2.3.2.1.15.2 WLS Fiber Production - Delivery A-2	BCWS	0	0	327,240
2.3.2.1.15.20 WLS Fiber Production - Delivery A-20	BCWS	0	0	327,240
2.3.2.1.15.21 WLS Fiber Production - Delivery A-21	BCWS	0	0	327,240
2.3.2.1.15.22 WLS Fiber Production - Delivery A-22	BCWS	0	0	327,240
2.3.2.1.15.23 WLS Fiber Production - Delivery A-23	BCWS	0	0	327,240
2.3.2.1.15.24 WLS Fiber Production - Delivery A-24	BCWS	0	0	327,240
2.3.2.1.15.25 WLS Fiber Production - Delivery A-25	BCWS	0	0	327,240
2.3.2.1.15.26 WLS Fiber Production - Delivery A-26	BCWS	0	0	327,240
2.3.2.1.15.27 WLS Fiber Production - Delivery A-27	BCWS	0	0	327,240
2.3.2.1.15.28 WLS Fiber Production - Delivery A-28	BCWS	0	0	327,240
2.3.2.1.15.29 WLS Fiber Production - Delivery A-29	BCWS	0	0	327,240
2.3.2.1.15.3 WLS Fiber Production - Delivery A-3	BCWS	0	0	327,240
2.3.2.1.15.30 WLS Fiber Production - Delivery A-30	BCWS	0	0	327,240
2.3.2.1.15.31 WLS Fiber Production - Delivery A-31	BCWS	0	0	302,697
2.3.2.1.15.4 WLS Fiber Production - Delivery A-4	BCWS	0	0	327,240
2.3.2.1.15.5 WLS Fiber Production - Delivery A-5	BCWS	0	0	327,240
2.3.2.1.15.6 WLS Fiber Production - Delivery A-6	BCWS	0	0	327,240
2.3.2.1.15.7 WLS Fiber Production - Delivery A-7	BCWS	0	0	327,240
2.3.2.1.15.8 WLS Fiber Production - Delivery A-8	BCWS	0	0	327,240
2.3.2.1.15.9 WLS Fiber Production - Delivery A-9	BCWS	0	0	327,240
2.3.2.12.1 WLS Fiber Quality Assurance - FY10 - initial production	BCWS	0	0	67,509
2.3.2.12.7.1 WLS Fiber Quality Assurance - Delivery A-1	BCWS	0	0	22,083
2.3.2.12.7.10 WLS Fiber Quality Assurance - Delivery A-10	BCWS	0	0	23,137
2.3.2.12.7.11 WLS Fiber Quality Assurance - Delivery A-11	BCWS	0	0	23,137
2.3.2.12.7.12 WLS Fiber Quality Assurance - Delivery A-12	BCWS	0	0	23,137
2.3.2.12.7.13 WLS Fiber Quality Assurance - Delivery A-13	BCWS	0	0	23,137
2.3.2.12.7.14 WLS Fiber Quality Assurance - Delivery A-14	BCWS	0	0	23,137

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.3.2.12.7.15 WLS Fiber Quality Assurance - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.16 WLS Fiber Quality Assurance - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.17 WLS Fiber Quality Assurance - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.18 WLS Fiber Quality Assurance - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.19 WLS Fiber Quality Assurance - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.2 WLS Fiber Quality Assurance - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.20 WLS Fiber Quality Assurance - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.21 WLS Fiber Quality Assurance - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.22 WLS Fiber Quality Assurance - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.23 WLS Fiber Quality Assurance - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.24 WLS Fiber Quality Assurance - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.25 WLS Fiber Quality Assurance - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.26 WLS Fiber Quality Assurance - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.27 WLS Fiber Quality Assurance - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.28 WLS Fiber Quality Assurance - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.29 WLS Fiber Quality Assurance - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.3 WLS Fiber Quality Assurance - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.30 WLS Fiber Quality Assurance - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.31 WLS Fiber Quality Assurance - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.4 WLS Fiber Quality Assurance - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.5 WLS Fiber Quality Assurance - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.6 WLS Fiber Quality Assurance - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.7 WLS Fiber Quality Assurance - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.8 WLS Fiber Quality Assurance - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.9 WLS Fiber Quality Assurance - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.1 Ship fiber to module factory - shipment 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.2 Ship fiber to module factory - shipment 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.3 Ship fiber to module factory - shipment 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.4 Ship fiber to module factory - shipment 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.5 Ship fiber to module factory - shipment 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.6 Ship fiber to module factory - shipment 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.14 WLS Fiber Storage Infrastructure Improvements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.1 Design and fabricate a prototype fiber loop transmission (FT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.2 Design and fabricate a fiber re-spooling device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.3 Operate the fiber re-spooling device to re-spool fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.1 Prepare and issue RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.2 Evaluate proposals and select vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.4 Conduct extrusion production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.1 Prepare and issue RFPs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.2 Evaluate proposals and select prospective vendor(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.1 Prepare purchase reqs for vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.3 Obtain vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.3.2.12.7.15 WLS Fiber Quality Assurance - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.16 WLS Fiber Quality Assurance - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.17 WLS Fiber Quality Assurance - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.18 WLS Fiber Quality Assurance - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.19 WLS Fiber Quality Assurance - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.2 WLS Fiber Quality Assurance - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.20 WLS Fiber Quality Assurance - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.21 WLS Fiber Quality Assurance - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.22 WLS Fiber Quality Assurance - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.23 WLS Fiber Quality Assurance - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.24 WLS Fiber Quality Assurance - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.25 WLS Fiber Quality Assurance - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.26 WLS Fiber Quality Assurance - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.27 WLS Fiber Quality Assurance - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.28 WLS Fiber Quality Assurance - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.29 WLS Fiber Quality Assurance - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.3 WLS Fiber Quality Assurance - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.30 WLS Fiber Quality Assurance - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.31 WLS Fiber Quality Assurance - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.4 WLS Fiber Quality Assurance - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.5 WLS Fiber Quality Assurance - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.6 WLS Fiber Quality Assurance - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.7 WLS Fiber Quality Assurance - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.8 WLS Fiber Quality Assurance - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.9 WLS Fiber Quality Assurance - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.1 Ship fiber to module factory - shipment 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.2 Ship fiber to module factory - shipment 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.3 Ship fiber to module factory - shipment 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.4 Ship fiber to module factory - shipment 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.5 Ship fiber to module factory - shipment 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.6 Ship fiber to module factory - shipment 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.14 WLS Fiber Storage Infrastructure Improvements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.1 Design and fabricate a prototype fiber loop transmission (FT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.2 Design and fabricate a fiber re-spooling device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.3 Operate the fiber re-spooling device to re-spool fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.1 Prepare and issue RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.2 Evaluate proposals and select vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.4 Conduct extrusion production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.1 Prepare and issue RFPs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.2 Evaluate proposals and select prospective vendor(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.1 Prepare purchase reqs for vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.3 Obtain vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.3.2.12.7.15 WLS Fiber Quality Assurance - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.16 WLS Fiber Quality Assurance - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.17 WLS Fiber Quality Assurance - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.18 WLS Fiber Quality Assurance - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.19 WLS Fiber Quality Assurance - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.2 WLS Fiber Quality Assurance - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.20 WLS Fiber Quality Assurance - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.21 WLS Fiber Quality Assurance - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.22 WLS Fiber Quality Assurance - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.23 WLS Fiber Quality Assurance - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.24 WLS Fiber Quality Assurance - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.25 WLS Fiber Quality Assurance - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.26 WLS Fiber Quality Assurance - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.27 WLS Fiber Quality Assurance - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.28 WLS Fiber Quality Assurance - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.29 WLS Fiber Quality Assurance - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.3 WLS Fiber Quality Assurance - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.30 WLS Fiber Quality Assurance - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.31 WLS Fiber Quality Assurance - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.4 WLS Fiber Quality Assurance - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.5 WLS Fiber Quality Assurance - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.6 WLS Fiber Quality Assurance - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.7 WLS Fiber Quality Assurance - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.8 WLS Fiber Quality Assurance - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.9 WLS Fiber Quality Assurance - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.1 Ship fiber to module factory - shipment 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.2 Ship fiber to module factory - shipment 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.3 Ship fiber to module factory - shipment 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.4 Ship fiber to module factory - shipment 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.5 Ship fiber to module factory - shipment 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.6 Ship fiber to module factory - shipment 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.14 WLS Fiber Storage Infrastructure Improvements	BCWS	0	0	0	0	0	0	0	0	0	0	7,991
2.3.3.3.1 Labor	BCWS	494	544	544	494	544	544	519	519	0	0	0
2.3.3.3.2 Travel	BCWS	307	338	338	307	338	338	322	322	0	0	0
2.3.3.3.4 Materials and supplies	BCWS	61	68	68	61	68	68	64	64	0	0	0
2.3.3.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	574	496	522
2.3.3.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	234	202	213
2.3.3.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	47	40	43
2.3.3.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.1 Design and fabricate a prototype fiber loop transmission (FT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.2 Design and fabricate a fiber re-spooling device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.3 Operate the fiber re-spooling device to re-spool fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.1 Prepare and issue RFP	BCWS	0	0	0	0	6,037	2,012	0	0	0	0	0
2.4.1.1.2 Evaluate proposals and select vendor	BCWS	0	0	0	0	0	0	2,223	0	0	0	0
2.4.1.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	319	678	0	0	0
2.4.1.1.4 Conduct extrusion production readiness review	BCWS	0	0	0	0	0	0	0	2,423	636	0	0
2.4.1.2.1 Prepare and issue RFPs	BCWS	0	0	0	0	4,168	1,389	0	0	0	0	0
2.4.1.2.2 Evaluate proposals and select prospective vendor(s)	BCWS	0	0	0	0	0	0	2,223	0	0	0	0
2.4.1.2.3.1 Prepare purchase reqs for vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.3 Obtain vendor samples	BCWS	0	0	0	0	0	0	0	0	12,741	11,148	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.3.2.12.7.15 WLS Fiber Quality Assurance - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.16 WLS Fiber Quality Assurance - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.17 WLS Fiber Quality Assurance - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.18 WLS Fiber Quality Assurance - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.19 WLS Fiber Quality Assurance - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.2 WLS Fiber Quality Assurance - Delivery A-2	BCWS	0	0	0	0	0	0	10,516	11,568	0	0	0
2.3.2.12.7.20 WLS Fiber Quality Assurance - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.21 WLS Fiber Quality Assurance - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.22 WLS Fiber Quality Assurance - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.23 WLS Fiber Quality Assurance - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.24 WLS Fiber Quality Assurance - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.25 WLS Fiber Quality Assurance - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.26 WLS Fiber Quality Assurance - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.27 WLS Fiber Quality Assurance - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.28 WLS Fiber Quality Assurance - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.29 WLS Fiber Quality Assurance - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.3 WLS Fiber Quality Assurance - Delivery A-3	BCWS	0	0	0	0	0	0	0	11,568	10,516	0	0
2.3.2.12.7.30 WLS Fiber Quality Assurance - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.31 WLS Fiber Quality Assurance - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.4 WLS Fiber Quality Assurance - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	11,568	11,017	0
2.3.2.12.7.5 WLS Fiber Quality Assurance - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	12,119	11,017
2.3.2.12.7.6 WLS Fiber Quality Assurance - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	11,017
2.3.2.12.7.7 WLS Fiber Quality Assurance - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.8 WLS Fiber Quality Assurance - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.9 WLS Fiber Quality Assurance - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.1 Ship fiber to module factory - shipment 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.2 Ship fiber to module factory - shipment 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.3 Ship fiber to module factory - shipment 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.4 Ship fiber to module factory - shipment 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.5 Ship fiber to module factory - shipment 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.6 Ship fiber to module factory - shipment 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.14 WLS Fiber Storage Infrastructure Improvements	BCWS	10,121	3,196	0	0	0	0	0	0	0	0	0
2.3.3.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.1 Labor	BCWS	496	522	600	574	522	574	548	574	522	0	0
2.3.3.4.2 Travel	BCWS	202	213	245	234	213	234	224	234	213	0	0
2.3.3.4.4 Materials and supplies	BCWS	40	43	49	47	43	47	45	47	43	0	0
2.3.3.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	574	547
2.3.3.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	228	218
2.3.3.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	46	44
2.3.3.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.1 Design and fabricate a prototype fiber loop transmission (FT	BCWS	0	0	0	0	8,270	9,097	8,683	0	0	0	0
2.3.4.2 Design and fabricate a fiber re-spooling device	BCWS	0	0	0	0	12,633	13,896	13,264	13,896	0	0	0
2.3.4.3 Operate the fiber re-spooling device to re-spool fibers	BCWS	0	0	0	0	0	0	0	0	2,633	2,787	2,654
2.4.1.1.1 Prepare and issue RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.2 Evaluate proposals and select vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.4 Conduct extrusion production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.1 Prepare and issue RFPs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.2 Evaluate proposals and select prospective vendor(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.1 Prepare purchase reqs for vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.3 Obtain vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.3.2.12.7.15 WLS Fiber Quality Assurance - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	12,119	11,017	0
2.3.2.12.7.16 WLS Fiber Quality Assurance - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	12,119	11,543
2.3.2.12.7.17 WLS Fiber Quality Assurance - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	12,698
2.3.2.12.7.18 WLS Fiber Quality Assurance - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.19 WLS Fiber Quality Assurance - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.2 WLS Fiber Quality Assurance - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.20 WLS Fiber Quality Assurance - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.21 WLS Fiber Quality Assurance - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.22 WLS Fiber Quality Assurance - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.23 WLS Fiber Quality Assurance - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.24 WLS Fiber Quality Assurance - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.25 WLS Fiber Quality Assurance - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.26 WLS Fiber Quality Assurance - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.27 WLS Fiber Quality Assurance - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.28 WLS Fiber Quality Assurance - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.29 WLS Fiber Quality Assurance - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.3 WLS Fiber Quality Assurance - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.30 WLS Fiber Quality Assurance - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.31 WLS Fiber Quality Assurance - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.4 WLS Fiber Quality Assurance - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.5 WLS Fiber Quality Assurance - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.6 WLS Fiber Quality Assurance - Delivery A-6	BCWS	12,119	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.7 WLS Fiber Quality Assurance - Delivery A-7	BCWS	10,411	12,725	0	0	0	0	0	0	0	0	0
2.3.2.12.7.8 WLS Fiber Quality Assurance - Delivery A-8	BCWS	0	8,814	14,323	0	0	0	0	0	0	0	0
2.3.2.12.7.9 WLS Fiber Quality Assurance - Delivery A-9	BCWS	0	0	7,712	15,424	0	0	0	0	0	0	0
2.3.2.13.1 Ship fiber to module factory - shipment 1	BCWS	0	0	0	0	0	2,983	0	0	0	0	0
2.3.2.13.2 Ship fiber to module factory - shipment 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.3 Ship fiber to module factory - shipment 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.4 Ship fiber to module factory - shipment 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.5 Ship fiber to module factory - shipment 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.6 Ship fiber to module factory - shipment 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.14 WLS Fiber Storage Infrastructure Improvements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.1 Labor	BCWS	547	519	547	629	574	574	601	547	629	547	0
2.3.3.5.2 Travel	BCWS	218	207	218	250	228	228	239	218	250	218	0
2.3.3.5.4 Materials and supplies	BCWS	44	41	44	50	46	46	48	44	50	44	0
2.3.3.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	602
2.3.3.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	233
2.3.3.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	47
2.3.4.1 Design and fabricate a prototype fiber loop transmission (FT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.2 Design and fabricate a fiber re-spooling device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.3 Operate the fiber re-spooling device to re-spool fibers	BCWS	2,654	2,522	2,654	0	0	0	0	0	0	0	0
2.4.1.1.1 Prepare and issue RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.2 Evaluate proposals and select vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.4 Conduct extrusion production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.1 Prepare and issue RFPs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.2 Evaluate proposals and select prospective vendor(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.1 Prepare purchase reqs for vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.3 Obtain vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.3.2.12.7.15 WLS Fiber Quality Assurance - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.16 WLS Fiber Quality Assurance - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.17 WLS Fiber Quality Assurance - Delivery A-17	BCWS	11,543	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.18 WLS Fiber Quality Assurance - Delivery A-18	BCWS	11,543	12,698	0	0	0	0	0	0	0	0	0
2.3.2.12.7.19 WLS Fiber Quality Assurance - Delivery A-19	BCWS	0	9,235	15,006	0	0	0	0	0	0	0	0
2.3.2.12.7.2 WLS Fiber Quality Assurance - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.20 WLS Fiber Quality Assurance - Delivery A-20	BCWS	0	0	8,080	16,161	0	0	0	0	0	0	0
2.3.2.12.7.21 WLS Fiber Quality Assurance - Delivery A-21	BCWS	0	0	0	8,080	16,161	0	0	0	0	0	0
2.3.2.12.7.22 WLS Fiber Quality Assurance - Delivery A-22	BCWS	0	0	0	0	9,235	15,006	0	0	0	0	0
2.3.2.12.7.23 WLS Fiber Quality Assurance - Delivery A-23	BCWS	0	0	0	0	0	9,235	15,006	0	0	0	0
2.3.2.12.7.24 WLS Fiber Quality Assurance - Delivery A-24	BCWS	0	0	0	0	0	0	10,389	13,852	0	0	0
2.3.2.12.7.25 WLS Fiber Quality Assurance - Delivery A-25	BCWS	0	0	0	0	0	0	0	10,389	13,852	0	0
2.3.2.12.7.26 WLS Fiber Quality Assurance - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	10,389	13,852	0
2.3.2.12.7.27 WLS Fiber Quality Assurance - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	12,698	11,543
2.3.2.12.7.28 WLS Fiber Quality Assurance - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	10,389
2.3.2.12.7.29 WLS Fiber Quality Assurance - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.3 WLS Fiber Quality Assurance - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.30 WLS Fiber Quality Assurance - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.31 WLS Fiber Quality Assurance - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.4 WLS Fiber Quality Assurance - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.5 WLS Fiber Quality Assurance - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.6 WLS Fiber Quality Assurance - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.7 WLS Fiber Quality Assurance - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.8 WLS Fiber Quality Assurance - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.9 WLS Fiber Quality Assurance - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.1 Ship fiber to module factory - shipment 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.2 Ship fiber to module factory - shipment 2	BCWS	0	0	0	3,055	0	0	0	0	0	0	0
2.3.2.13.3 Ship fiber to module factory - shipment 3	BCWS	0	0	0	0	0	0	3,055	0	0	0	0
2.3.2.13.4 Ship fiber to module factory - shipment 4	BCWS	0	0	0	0	0	0	0	0	0	0	3,055
2.3.2.13.5 Ship fiber to module factory - shipment 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.6 Ship fiber to module factory - shipment 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.14 WLS Fiber Storage Infrastructure Improvements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.1 Labor	BCWS	573	544	573	602	630	602	630	602	602	659	544
2.3.3.6.2 Travel	BCWS	222	211	222	233	245	233	245	233	233	256	211
2.3.3.6.4 Materials and supplies	BCWS	44	42	44	47	49	47	49	47	47	51	42
2.3.4.1 Design and fabricate a prototype fiber loop transmission (FT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.2 Design and fabricate a fiber re-spooling device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.3 Operate the fiber re-spooling device to re-spool fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.1 Prepare and issue RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.2 Evaluate proposals and select vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.4 Conduct extrusion production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.1 Prepare and issue RFPs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.2 Evaluate proposals and select prospective vendor(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.1 Prepare purchase reqs for vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.3 Obtain vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.3.2.12.7.15 WLS Fiber Quality Assurance - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.16 WLS Fiber Quality Assurance - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.17 WLS Fiber Quality Assurance - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.18 WLS Fiber Quality Assurance - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.19 WLS Fiber Quality Assurance - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.2 WLS Fiber Quality Assurance - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.20 WLS Fiber Quality Assurance - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.21 WLS Fiber Quality Assurance - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.22 WLS Fiber Quality Assurance - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.23 WLS Fiber Quality Assurance - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.24 WLS Fiber Quality Assurance - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.25 WLS Fiber Quality Assurance - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.26 WLS Fiber Quality Assurance - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.27 WLS Fiber Quality Assurance - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.28 WLS Fiber Quality Assurance - Delivery A-28	BCWS	14,514	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.29 WLS Fiber Quality Assurance - Delivery A-29	BCWS	13,304	12,095	0	0	0	0	0	0	0	0	0
2.3.2.12.7.3 WLS Fiber Quality Assurance - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.30 WLS Fiber Quality Assurance - Delivery A-30	BCWS	0	12,095	13,304	0	0	0	0	0	0	0	0
2.3.2.12.7.31 WLS Fiber Quality Assurance - Delivery A-31	BCWS	0	0	7,816	15,632	0	0	0	0	0	0	0
2.3.2.12.7.4 WLS Fiber Quality Assurance - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.5 WLS Fiber Quality Assurance - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.6 WLS Fiber Quality Assurance - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.7 WLS Fiber Quality Assurance - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.8 WLS Fiber Quality Assurance - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.9 WLS Fiber Quality Assurance - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.1 Ship fiber to module factory - shipment 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.2 Ship fiber to module factory - shipment 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.3 Ship fiber to module factory - shipment 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.4 Ship fiber to module factory - shipment 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.5 Ship fiber to module factory - shipment 5	BCWS	0	0	3,130	0	0	0	0	0	0	0	0
2.3.2.13.6 Ship fiber to module factory - shipment 6	BCWS	0	0	0	0	0	0	3,130	0	0	0	0
2.3.2.14 WLS Fiber Storage Infrastructure Improvements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.1 Design and fabricate a prototype fiber loop transmission (FT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.2 Design and fabricate a fiber re-spooling device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.3 Operate the fiber re-spooling device to re-spool fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.1 Prepare and issue RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.2 Evaluate proposals and select vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.4 Conduct extrusion production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.1 Prepare and issue RFPs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.2 Evaluate proposals and select prospective vendor(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.1 Prepare purchase reqs for vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.3 Obtain vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.3.2.12.7.15 WLS Fiber Quality Assurance - Delivery A-15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.16 WLS Fiber Quality Assurance - Delivery A-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.17 WLS Fiber Quality Assurance - Delivery A-17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.18 WLS Fiber Quality Assurance - Delivery A-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.19 WLS Fiber Quality Assurance - Delivery A-19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.2 WLS Fiber Quality Assurance - Delivery A-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.20 WLS Fiber Quality Assurance - Delivery A-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.21 WLS Fiber Quality Assurance - Delivery A-21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.22 WLS Fiber Quality Assurance - Delivery A-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.23 WLS Fiber Quality Assurance - Delivery A-23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.24 WLS Fiber Quality Assurance - Delivery A-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.25 WLS Fiber Quality Assurance - Delivery A-25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.26 WLS Fiber Quality Assurance - Delivery A-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.27 WLS Fiber Quality Assurance - Delivery A-27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.28 WLS Fiber Quality Assurance - Delivery A-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.29 WLS Fiber Quality Assurance - Delivery A-29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.3 WLS Fiber Quality Assurance - Delivery A-3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.30 WLS Fiber Quality Assurance - Delivery A-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.31 WLS Fiber Quality Assurance - Delivery A-31	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.4 WLS Fiber Quality Assurance - Delivery A-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.5 WLS Fiber Quality Assurance - Delivery A-5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.6 WLS Fiber Quality Assurance - Delivery A-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.7 WLS Fiber Quality Assurance - Delivery A-7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.8 WLS Fiber Quality Assurance - Delivery A-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.12.7.9 WLS Fiber Quality Assurance - Delivery A-9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.1 Ship fiber to module factory - shipment 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.2 Ship fiber to module factory - shipment 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.3 Ship fiber to module factory - shipment 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.4 Ship fiber to module factory - shipment 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.5 Ship fiber to module factory - shipment 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.13.6 Ship fiber to module factory - shipment 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.2.14 WLS Fiber Storage Infrastructure Improvements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.3.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.4.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.3.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.1 Design and fabricate a prototype fiber loop transmission (FT	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.2 Design and fabricate a fiber re-spooling device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.3.4.3 Operate the fiber re-spooling device to re-spool fibers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.1 Prepare and issue RFP	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.2 Evaluate proposals and select vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.3 Prepare purchase req and PO	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.1.4 Conduct extrusion production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.1 Prepare and issue RFPs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.2 Evaluate proposals and select prospective vendor(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.1 Prepare purchase reqs for vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.3 Obtain vendor samples	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
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WP[20]		AUG14	SEP14	Cumulative
2.3.2.12.7.15 WLS Fiber Quality Assurance - Delivery A-15	BCWS	0	0	23,137
2.3.2.12.7.16 WLS Fiber Quality Assurance - Delivery A-16	BCWS	0	0	23,663
2.3.2.12.7.17 WLS Fiber Quality Assurance - Delivery A-17	BCWS	0	0	24,241
2.3.2.12.7.18 WLS Fiber Quality Assurance - Delivery A-18	BCWS	0	0	24,241
2.3.2.12.7.19 WLS Fiber Quality Assurance - Delivery A-19	BCWS	0	0	24,241
2.3.2.12.7.2 WLS Fiber Quality Assurance - Delivery A-2	BCWS	0	0	22,083
2.3.2.12.7.20 WLS Fiber Quality Assurance - Delivery A-20	BCWS	0	0	24,241
2.3.2.12.7.21 WLS Fiber Quality Assurance - Delivery A-21	BCWS	0	0	24,241
2.3.2.12.7.22 WLS Fiber Quality Assurance - Delivery A-22	BCWS	0	0	24,241
2.3.2.12.7.23 WLS Fiber Quality Assurance - Delivery A-23	BCWS	0	0	24,241
2.3.2.12.7.24 WLS Fiber Quality Assurance - Delivery A-24	BCWS	0	0	24,241
2.3.2.12.7.25 WLS Fiber Quality Assurance - Delivery A-25	BCWS	0	0	24,241
2.3.2.12.7.26 WLS Fiber Quality Assurance - Delivery A-26	BCWS	0	0	24,241
2.3.2.12.7.27 WLS Fiber Quality Assurance - Delivery A-27	BCWS	0	0	24,241
2.3.2.12.7.28 WLS Fiber Quality Assurance - Delivery A-28	BCWS	0	0	24,903
2.3.2.12.7.29 WLS Fiber Quality Assurance - Delivery A-29	BCWS	0	0	25,399
2.3.2.12.7.3 WLS Fiber Quality Assurance - Delivery A-3	BCWS	0	0	22,083
2.3.2.12.7.30 WLS Fiber Quality Assurance - Delivery A-30	BCWS	0	0	25,399
2.3.2.12.7.31 WLS Fiber Quality Assurance - Delivery A-31	BCWS	0	0	23,448
2.3.2.12.7.4 WLS Fiber Quality Assurance - Delivery A-4	BCWS	0	0	22,585
2.3.2.12.7.5 WLS Fiber Quality Assurance - Delivery A-5	BCWS	0	0	23,137
2.3.2.12.7.6 WLS Fiber Quality Assurance - Delivery A-6	BCWS	0	0	23,137
2.3.2.12.7.7 WLS Fiber Quality Assurance - Delivery A-7	BCWS	0	0	23,137
2.3.2.12.7.8 WLS Fiber Quality Assurance - Delivery A-8	BCWS	0	0	23,137
2.3.2.12.7.9 WLS Fiber Quality Assurance - Delivery A-9	BCWS	0	0	23,137
2.3.2.13.1 Ship fiber to module factory - shipment 1	BCWS	0	0	2,983
2.3.2.13.2 Ship fiber to module factory - shipment 2	BCWS	0	0	3,055
2.3.2.13.3 Ship fiber to module factory - shipment 3	BCWS	0	0	3,055
2.3.2.13.4 Ship fiber to module factory - shipment 4	BCWS	0	0	3,055
2.3.2.13.5 Ship fiber to module factory - shipment 5	BCWS	0	0	3,130
2.3.2.13.6 Ship fiber to module factory - shipment 6	BCWS	0	0	3,130
2.3.2.14 WLS Fiber Storage Infrastructure Improvements	BCWS	0	0	21,308
2.3.3.3.1 Labor	BCWS	0	0	4,201
2.3.3.3.2 Travel	BCWS	0	0	2,609
2.3.3.3.4 Materials and supplies	BCWS	0	0	522
2.3.3.4.1 Labor	BCWS	0	0	6,522
2.3.3.4.2 Travel	BCWS	0	0	2,664
2.3.3.4.4 Materials and supplies	BCWS	0	0	533
2.3.3.5.1 Labor	BCWS	0	0	6,835
2.3.3.5.2 Travel	BCWS	0	0	2,720
2.3.3.5.4 Materials and supplies	BCWS	0	0	544
2.3.3.6.1 Labor	BCWS	0	0	7,163
2.3.3.6.2 Travel	BCWS	0	0	2,779
2.3.3.6.4 Materials and supplies	BCWS	0	0	556
2.3.4.1 Design and fabricate a prototype fiber loop transmission (FT	BCWS	0	0	26,050
2.3.4.2 Design and fabricate a fiber re-spooling device	BCWS	0	0	53,689
2.3.4.3 Operate the fiber re-spooling device to re-spool fibers	BCWS	0	0	15,904
2.4.1.1.1 Prepare and issue RFP	BCWS	0	0	8,050
2.4.1.1.2 Evaluate proposals and select vendor	BCWS	0	0	2,223
2.4.1.1.3 Prepare purchase req and PO	BCWS	0	0	997
2.4.1.1.4 Conduct extrusion production readiness review	BCWS	0	0	3,059
2.4.1.2.1 Prepare and issue RFPs	BCWS	0	0	5,557
2.4.1.2.2 Evaluate proposals and select prospective vendor(s)	BCWS	0	0	2,223
2.4.1.2.3.1 Prepare purchase reqs for vendor samples	BCWS	0	0	0
2.4.1.2.3.3 Obtain vendor samples	BCWS	0	0	23,889

Program:	Description:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.4.1.2.3.4 Extrude samples using NOva prototype dies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.5 Conduct mechanical tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.6 Conduct reflectivity tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.4 Conduct raw material production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.1 Investigate commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.2 Purchase commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.3 Build custom QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.4 Setup QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.15 Evaluate preproduction horizontal extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.15 Evaluate preproduction vertical extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.2 Obtain PVC resin - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.3 Produce PVC extrusions - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.4 Ship PVC extrusions to module factory - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.2 Obtain PVC resin - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.3 Produce PVC extrusions - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.4 Ship PVC extrusions to module factory - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.1 Obtain PVC resin - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.2 Produce PVC extrusions - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.3 Ship PVC extrusions to module factory - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.1 Obtain PVC resin - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.2 Produce PVC extrusions - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.3 Ship PVC extrusions to module factory - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.1 Obtain PVC resin - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.2 Produce PVC extrusions - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.3 Ship PVC extrusions to module factory - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.1 Obtain PVC resin - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.2 Produce PVC extrusions - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.3 Ship PVC extrusions to module factory - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.1 Obtain PVC resin - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.2 Produce PVC extrusions - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.3 Ship PVC extrusions to module factory - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.4.1.2.3.4 Extrude samples using NOva prototype dies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.5 Conduct mechanical tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.6 Conduct reflectivity tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.4 Conduct raw material production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.1 Investigate commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.2 Purchase commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.3 Build custom QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.4 Setup QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.15 Evaluate preproduction horizontal extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.15 Evaluate preproduction vertical extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.2 Obtain PVC resin - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.3 Produce PVC extrusions - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.4 Ship PVC extrusions to module factory - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.2 Obtain PVC resin - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.3 Produce PVC extrusions - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.4 Ship PVC extrusions to module factory - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.1 Obtain PVC resin - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.2 Produce PVC extrusions - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.3 Ship PVC extrusions to module factory - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.1 Obtain PVC resin - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.2 Produce PVC extrusions - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.3 Ship PVC extrusions to module factory - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.1 Obtain PVC resin - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.2 Produce PVC extrusions - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.3 Ship PVC extrusions to module factory - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.1 Obtain PVC resin - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.2 Produce PVC extrusions - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.3 Ship PVC extrusions to module factory - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.1 Obtain PVC resin - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.2 Produce PVC extrusions - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.3 Ship PVC extrusions to module factory - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.4.1.2.3.4 Extrude samples using NOva prototype dies	BCWS	0	0	0	0	0	0	0	0	0	9,021	27,064
2.4.1.2.3.5 Conduct mechanical tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	1,207
2.4.1.2.3.6 Conduct reflectivity tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	1,098
2.4.1.2.4 Conduct raw material production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.1 Investigate commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	3,211	0	0
2.4.1.3.2 Purchase commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	869	16,505	17,373
2.4.1.3.3 Build custom QC instruments	BCWS	0	0	0	0	0	0	0	0	12,635	11,432	12,033
2.4.1.3.4 Setup QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	3,448
2.4.2.1.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	50,823	45,983	48,403
2.4.2.1.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.15 Evaluate preproduction horizontal extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	2,420	45,983	48,403
2.4.2.2.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.15 Evaluate preproduction vertical extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.2 Obtain PVC resin - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.3 Produce PVC extrusions - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.4 Ship PVC extrusions to module factory - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.2 Obtain PVC resin - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.3 Produce PVC extrusions - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.4 Ship PVC extrusions to module factory - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.1 Obtain PVC resin - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.2 Produce PVC extrusions - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.3 Ship PVC extrusions to module factory - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.1 Obtain PVC resin - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.2 Produce PVC extrusions - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.3 Ship PVC extrusions to module factory - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.1 Obtain PVC resin - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.2 Produce PVC extrusions - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.3 Ship PVC extrusions to module factory - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.1 Obtain PVC resin - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.2 Produce PVC extrusions - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.3 Ship PVC extrusions to module factory - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.1 Obtain PVC resin - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.2 Produce PVC extrusions - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.3 Ship PVC extrusions to module factory - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.4.1.2.3.4 Extrude samples using NOva prototype dies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.5 Conduct mechanical tests of extruded samples	BCWS	3,620	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.6 Conduct reflectivity tests of extruded samples	BCWS	3,294	0	0	0	0	0	0	0	0	0	0
2.4.1.2.4 Conduct raw material production readiness review	BCWS	1,867	467	0	0	0	0	0	0	0	0	0
2.4.1.3.1 Investigate commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.2 Purchase commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.3 Build custom QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.4 Setup QC instruments	BCWS	3,276	3,448	172	0	0	0	0	0	0	0	0
2.4.2.1.1 Vendor setup	BCWS	45,983	48,403	55,664	53,244	14,521	0	0	0	0	0	0
2.4.2.1.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	6,422	0	0	0	0
2.4.2.1.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	11,662	0
2.4.2.1.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	1,168	0	0
2.4.2.1.15 Evaluate preproduction horizontal extrusions	BCWS	0	0	0	0	0	0	0	0	9,632	3,365	0
2.4.2.1.16 Documentation	BCWS	0	0	0	0	0	0	0	0	4,816	1,682	0
2.4.2.1.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	68,060	3,582	0	0	0	0	0	0
2.4.2.1.5 Evaluate extrusions	BCWS	0	0	0	0	12,843	0	0	0	0	0	0
2.4.2.1.6 Feedback QC info to vendor	BCWS	0	0	0	0	6,422	0	0	0	0	0	0
2.4.2.1.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	12,843	0	0	0	0
2.4.2.2.1 Vendor setup	BCWS	45,983	48,403	55,664	53,244	48,403	14,521	0	0	0	0	0
2.4.2.2.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	6,422	0	0	0
2.4.2.2.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	16,411
2.4.2.2.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	1,380	0
2.4.2.2.15 Evaluate preproduction vertical extrusions	BCWS	0	0	0	0	0	0	0	0	0	10,767	2,692
2.4.2.2.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	5,384	1,346
2.4.2.2.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	94,460	4,972	0	0	0	0	0
2.4.2.2.5 Evaluate extrusions	BCWS	0	0	0	0	0	12,843	0	0	0	0	0
2.4.2.2.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	6,422	0	0	0	0	0
2.4.2.2.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	12,843	0	0	0
2.4.3.2.1.1.2 Obtain PVC resin - Block 1H	BCWS	0	0	0	0	0	0	0	0	92,731	63,121	0
2.4.3.2.1.1.3 Produce PVC extrusions - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.4 Ship PVC extrusions to module factory - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.2 Obtain PVC resin - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	236,789	0
2.4.3.2.1.2.3 Produce PVC extrusions - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.4 Ship PVC extrusions to module factory - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.1 Obtain PVC resin - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.2 Produce PVC extrusions - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.3 Ship PVC extrusions to module factory - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.1 Obtain PVC resin - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.2 Produce PVC extrusions - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.3 Ship PVC extrusions to module factory - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.1 Obtain PVC resin - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.2 Produce PVC extrusions - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.3 Ship PVC extrusions to module factory - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.1 Obtain PVC resin - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.2 Produce PVC extrusions - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.3 Ship PVC extrusions to module factory - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.1 Obtain PVC resin - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.2 Produce PVC extrusions - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.3 Ship PVC extrusions to module factory - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.4.1.2.3.4 Extrude samples using NOva prototype dies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.5 Conduct mechanical tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.6 Conduct reflectivity tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.4 Conduct raw material production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.1 Investigate commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.2 Purchase commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.3 Build custom QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.4 Setup QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.15 Evaluate preproduction horizontal extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.15 Evaluate preproduction vertical extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.2 Obtain PVC resin - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.3 Produce PVC extrusions - Block 1H	BCWS	0	143,839	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.4 Ship PVC extrusions to module factory - Block 1H	BCWS	0	0	378	4,540	0	0	0	0	0	0	0
2.4.3.2.1.1.5 Quality control and documentation of extrusions - Block	BCWS	0	7,573	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.2 Obtain PVC resin - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.3 Produce PVC extrusions - Block 1V	BCWS	0	144,048	72,024	0	0	0	0	0	0	0	0
2.4.3.2.1.2.4 Ship PVC extrusions to module factory - Block 1V	BCWS	0	0	441	5,297	0	0	0	0	0	0	0
2.4.3.2.1.2.5 Quality control and documentation of extrusions - Block	BCWS	0	7,157	3,578	0	0	0	0	0	0	0	0
2.4.3.2.10.1.1 Obtain PVC resin - Block 10H	BCWS	0	0	0	0	0	0	55,175	82,763	0	0	0
2.4.3.2.10.1.2 Produce PVC extrusions - Block 10H	BCWS	0	0	0	0	0	0	0	124,265	0	0	0
2.4.3.2.10.1.3 Ship PVC extrusions to module factory - Block 10H	BCWS	0	0	0	0	0	0	0	0	4,918	0	0
2.4.3.2.10.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	7,573	0	0	0
2.4.3.2.10.2.1 Obtain PVC resin - Block 10V	BCWS	0	0	0	0	0	0	0	206,983	0	0	0
2.4.3.2.10.2.2 Produce PVC extrusions - Block 10V	BCWS	0	0	0	0	0	0	0	0	186,669	0	0
2.4.3.2.10.2.3 Ship PVC extrusions to module factory - Block 10V	BCWS	0	0	0	0	0	0	0	0	5,738	0	0
2.4.3.2.10.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	10,735	0	0
2.4.3.2.11.1.1 Obtain PVC resin - Block 11H	BCWS	0	0	0	0	0	0	0	0	137,938	0	0
2.4.3.2.11.1.2 Produce PVC extrusions - Block 11H	BCWS	0	0	0	0	0	0	0	0	124,265	0	0
2.4.3.2.11.1.3 Ship PVC extrusions to module factory - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	4,918	0
2.4.3.2.11.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	7,573	0	0
2.4.3.2.11.2.1 Obtain PVC resin - Block 11V	BCWS	0	0	0	0	0	0	0	0	206,983	0	0
2.4.3.2.11.2.2 Produce PVC extrusions - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	186,669	0
2.4.3.2.11.2.3 Ship PVC extrusions to module factory - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	5,738	0
2.4.3.2.11.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	10,735	0
2.4.3.2.12.1.1 Obtain PVC resin - Block 12H	BCWS	0	0	0	0	0	0	0	0	146,935	0	0
2.4.3.2.12.1.2 Produce PVC extrusions - Block 12H	BCWS	0	0	0	0	0	0	0	0	75,806	56,854	0
2.4.3.2.12.1.3 Ship PVC extrusions to module factory - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	1,324	4,511

Program:	Description:
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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.4.1.2.3.4 Extrude samples using NOva prototype dies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.5 Conduct mechanical tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.6 Conduct reflectivity tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.4 Conduct raw material production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.1 Investigate commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.2 Purchase commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.3 Build custom QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.4 Setup QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.15 Evaluate preproduction horizontal extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.15 Evaluate preproduction vertical extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.2 Obtain PVC resin - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.3 Produce PVC extrusions - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.4 Ship PVC extrusions to module factory - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.2 Obtain PVC resin - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.3 Produce PVC extrusions - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.4 Ship PVC extrusions to module factory - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.1 Obtain PVC resin - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.2 Produce PVC extrusions - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.3 Ship PVC extrusions to module factory - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.1 Obtain PVC resin - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.2 Produce PVC extrusions - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.3 Ship PVC extrusions to module factory - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.1 Obtain PVC resin - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.2 Produce PVC extrusions - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.3 Ship PVC extrusions to module factory - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.1 Obtain PVC resin - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.2 Produce PVC extrusions - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.3 Ship PVC extrusions to module factory - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.1 Obtain PVC resin - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.2 Produce PVC extrusions - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.3 Ship PVC extrusions to module factory - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.4.1.2.3.4 Extrude samples using NOva prototype dies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.5 Conduct mechanical tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.6 Conduct reflectivity tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.4 Conduct raw material production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.1 Investigate commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.2 Purchase commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.3 Build custom QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.4 Setup QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.15 Evaluate preproduction horizontal extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.15 Evaluate preproduction vertical extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.2 Obtain PVC resin - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.3 Produce PVC extrusions - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.4 Ship PVC extrusions to module factory - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.2 Obtain PVC resin - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.3 Produce PVC extrusions - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.4 Ship PVC extrusions to module factory - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.1 Obtain PVC resin - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.2 Produce PVC extrusions - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.3 Ship PVC extrusions to module factory - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.1 Obtain PVC resin - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.2 Produce PVC extrusions - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.3 Ship PVC extrusions to module factory - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.1 Obtain PVC resin - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.2 Produce PVC extrusions - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.3 Ship PVC extrusions to module factory - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.1 Obtain PVC resin - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.2 Produce PVC extrusions - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.3 Ship PVC extrusions to module factory - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.1 Obtain PVC resin - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.2 Produce PVC extrusions - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.3 Ship PVC extrusions to module factory - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.4.1.2.3.4 Extrude samples using NOva prototype dies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.5 Conduct mechanical tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.3.6 Conduct reflectivity tests of extruded samples	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.2.4 Conduct raw material production readiness review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.1 Investigate commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.2 Purchase commercial QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.3 Build custom QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.1.3.4 Setup QC instruments	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.15 Evaluate preproduction horizontal extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.1.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.1 Vendor setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.10 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.1 Produce PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.14.2 Ship PVC extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.15 Evaluate preproduction vertical extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.16 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.2 Obtain PVC resin for test and preproduction	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.5 Evaluate extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.6 Feedback QC info to vendor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.2.2.9 Evaluate additional extrusions	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.2 Obtain PVC resin - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.3 Produce PVC extrusions - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.4 Ship PVC extrusions to module factory - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.1.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.2 Obtain PVC resin - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.3 Produce PVC extrusions - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.4 Ship PVC extrusions to module factory - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.1.2.5 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.1 Obtain PVC resin - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.2 Produce PVC extrusions - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.3 Ship PVC extrusions to module factory - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.1 Obtain PVC resin - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.2 Produce PVC extrusions - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.3 Ship PVC extrusions to module factory - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.10.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.1 Obtain PVC resin - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.2 Produce PVC extrusions - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.3 Ship PVC extrusions to module factory - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.1 Obtain PVC resin - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.2 Produce PVC extrusions - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.3 Ship PVC extrusions to module factory - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.11.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.1 Obtain PVC resin - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.2 Produce PVC extrusions - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.1.3 Ship PVC extrusions to module factory - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
NV-DEC10	NOvA projec			
Run Date:	Status Date:			
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WP[20]		AUG14	SEP14	Cumulative
2.4.1.2.3.4 Extrude samples using NOva prototype dies	BCWS	0	0	36,086
2.4.1.2.3.5 Conduct mechanical tests of extruded samples	BCWS	0	0	4,827
2.4.1.2.3.6 Conduct reflectivity tests of extruded samples	BCWS	0	0	4,392
2.4.1.2.4 Conduct raw material production readiness review	BCWS	0	0	2,333
2.4.1.3.1 Investigate commercial QC instruments	BCWS	0	0	3,211
2.4.1.3.2 Purchase commercial QC instruments	BCWS	0	0	34,747
2.4.1.3.3 Build custom QC instruments	BCWS	0	0	36,100
2.4.1.3.4 Setup QC instruments	BCWS	0	0	10,345
2.4.2.1.1 Vendor setup	BCWS	0	0	363,025
2.4.2.1.10 Feedback QC info to vendor	BCWS	0	0	6,422
2.4.2.1.14.1 Produce PVC extrusions	BCWS	0	0	11,662
2.4.2.1.14.2 Ship PVC extrusions	BCWS	0	0	1,168
2.4.2.1.15 Evaluate preproduction horizontal extrusions	BCWS	0	0	12,997
2.4.2.1.16 Documentation	BCWS	0	0	6,499
2.4.2.1.2 Obtain PVC resin for test and preproduction	BCWS	0	0	71,642
2.4.2.1.5 Evaluate extrusions	BCWS	0	0	12,843
2.4.2.1.6 Feedback QC info to vendor	BCWS	0	0	6,422
2.4.2.1.9 Evaluate additional extrusions	BCWS	0	0	12,843
2.4.2.2.1 Vendor setup	BCWS	0	0	363,025
2.4.2.2.10 Feedback QC info to vendor	BCWS	0	0	6,422
2.4.2.2.14.1 Produce PVC extrusions	BCWS	0	0	16,411
2.4.2.2.14.2 Ship PVC extrusions	BCWS	0	0	1,380
2.4.2.2.15 Evaluate preproduction vertical extrusions	BCWS	0	0	13,459
2.4.2.2.16 Documentation	BCWS	0	0	6,730
2.4.2.2.2 Obtain PVC resin for test and preproduction	BCWS	0	0	99,431
2.4.2.2.5 Evaluate extrusions	BCWS	0	0	12,843
2.4.2.2.6 Feedback QC info to vendor	BCWS	0	0	6,422
2.4.2.2.9 Evaluate additional extrusions	BCWS	0	0	12,843
2.4.3.2.1.1.2 Obtain PVC resin - Block 1H	BCWS	0	0	155,852
2.4.3.2.1.1.3 Produce PVC extrusions - Block 1H	BCWS	0	0	143,839
2.4.3.2.1.1.4 Ship PVC extrusions to module factory - Block 1H	BCWS	0	0	4,918
2.4.3.2.1.1.5 Quality control and documentation of extrusions - Block	BCWS	0	0	7,573
2.4.3.2.1.2.2 Obtain PVC resin - Block 1V	BCWS	0	0	236,789
2.4.3.2.1.2.3 Produce PVC extrusions - Block 1V	BCWS	0	0	216,073
2.4.3.2.1.2.4 Ship PVC extrusions to module factory - Block 1V	BCWS	0	0	5,738
2.4.3.2.1.2.5 Quality control and documentation of extrusions - Block	BCWS	0	0	10,735
2.4.3.2.10.1.1 Obtain PVC resin - Block 10H	BCWS	0	0	137,938
2.4.3.2.10.1.2 Produce PVC extrusions - Block 10H	BCWS	0	0	124,265
2.4.3.2.10.1.3 Ship PVC extrusions to module factory - Block 10H	BCWS	0	0	4,918
2.4.3.2.10.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,573
2.4.3.2.10.2.1 Obtain PVC resin - Block 10V	BCWS	0	0	206,983
2.4.3.2.10.2.2 Produce PVC extrusions - Block 10V	BCWS	0	0	186,669
2.4.3.2.10.2.3 Ship PVC extrusions to module factory - Block 10V	BCWS	0	0	5,738
2.4.3.2.10.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	10,735
2.4.3.2.11.1.1 Obtain PVC resin - Block 11H	BCWS	0	0	137,938
2.4.3.2.11.1.2 Produce PVC extrusions - Block 11H	BCWS	0	0	124,265
2.4.3.2.11.1.3 Ship PVC extrusions to module factory - Block 11H	BCWS	0	0	4,918
2.4.3.2.11.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,573
2.4.3.2.11.2.1 Obtain PVC resin - Block 11V	BCWS	0	0	206,983
2.4.3.2.11.2.2 Produce PVC extrusions - Block 11V	BCWS	0	0	186,669
2.4.3.2.11.2.3 Ship PVC extrusions to module factory - Block 11V	BCWS	0	0	5,738
2.4.3.2.11.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	10,735
2.4.3.2.12.1.1 Obtain PVC resin - Block 12H	BCWS	0	0	146,935
2.4.3.2.12.1.2 Produce PVC extrusions - Block 12H	BCWS	0	0	132,660
2.4.3.2.12.1.3 Ship PVC extrusions to module factory - Block 12H	BCWS	0	0	5,835

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.4.3.2.12.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.1 Obtain PVC resin - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.2 Produce PVC extrusions - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.3 Ship PVC extrusions to module factory - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.1 Obtain PVC resin - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.2 Produce PVC extrusions - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.3 Ship PVC extrusions to module factory - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.1 Obtain PVC resin - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.2 Produce PVC extrusions - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.3 Ship PVC extrusions to module factory - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.1 Obtain PVC resin - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.2 Produce PVC extrusions - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.3 Ship PVC extrusions to module factory - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.1 Obtain PVC resin - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.2 Produce PVC extrusions - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.3 Ship PVC extrusions to module factory - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.1 Obtain PVC resin - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.2 Produce PVC extrusions - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.3 Ship PVC extrusions to module factory - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.1 Obtain PVC resin - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.2 Produce PVC extrusions - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.3 Ship PVC extrusions to module factory - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.1 Obtain PVC resin - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.2 Produce PVC extrusions - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.3 Ship PVC extrusions to module factory - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.1 Obtain PVC resin - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.2 Produce PVC extrusions - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.3 Ship PVC extrusions to module factory - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.1 Obtain PVC resin - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.2 Produce PVC extrusions - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.3 Ship PVC extrusions to module factory - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.1 Obtain PVC resin - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.2 Produce PVC extrusions - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.3 Ship PVC extrusions to module factory - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.1 Obtain PVC resin - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.2 Produce PVC extrusions - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.3 Ship PVC extrusions to module factory - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.1 Obtain PVC resin - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.2 Produce PVC extrusions - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.3 Ship PVC extrusions to module factory - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.1 Obtain PVC resin - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.2 Produce PVC extrusions - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.4.3.2.12.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.1 Obtain PVC resin - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.2 Produce PVC extrusions - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.3 Ship PVC extrusions to module factory - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.1 Obtain PVC resin - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.2 Produce PVC extrusions - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.3 Ship PVC extrusions to module factory - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.1 Obtain PVC resin - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.2 Produce PVC extrusions - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.3 Ship PVC extrusions to module factory - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.1 Obtain PVC resin - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.2 Produce PVC extrusions - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.3 Ship PVC extrusions to module factory - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.1 Obtain PVC resin - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.2 Produce PVC extrusions - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.3 Ship PVC extrusions to module factory - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.1 Obtain PVC resin - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.2 Produce PVC extrusions - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.3 Ship PVC extrusions to module factory - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.1 Obtain PVC resin - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.2 Produce PVC extrusions - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.3 Ship PVC extrusions to module factory - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.1 Obtain PVC resin - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.2 Produce PVC extrusions - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.3 Ship PVC extrusions to module factory - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.1 Obtain PVC resin - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.2 Produce PVC extrusions - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.3 Ship PVC extrusions to module factory - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.1 Obtain PVC resin - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.2 Produce PVC extrusions - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.3 Ship PVC extrusions to module factory - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.1 Obtain PVC resin - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.2 Produce PVC extrusions - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.3 Ship PVC extrusions to module factory - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.1 Obtain PVC resin - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.2 Produce PVC extrusions - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.3 Ship PVC extrusions to module factory - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.1 Obtain PVC resin - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.2 Produce PVC extrusions - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.3 Ship PVC extrusions to module factory - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.1 Obtain PVC resin - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.2 Produce PVC extrusions - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.4.3.2.12.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.1 Obtain PVC resin - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.2 Produce PVC extrusions - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.3 Ship PVC extrusions to module factory - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.1 Obtain PVC resin - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.2 Produce PVC extrusions - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.3 Ship PVC extrusions to module factory - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.1 Obtain PVC resin - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.2 Produce PVC extrusions - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.3 Ship PVC extrusions to module factory - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.1 Obtain PVC resin - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.2 Produce PVC extrusions - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.3 Ship PVC extrusions to module factory - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.1 Obtain PVC resin - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.2 Produce PVC extrusions - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.3 Ship PVC extrusions to module factory - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.1 Obtain PVC resin - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.2 Produce PVC extrusions - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.3 Ship PVC extrusions to module factory - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.1 Obtain PVC resin - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.2 Produce PVC extrusions - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.3 Ship PVC extrusions to module factory - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.1 Obtain PVC resin - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.2 Produce PVC extrusions - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.3 Ship PVC extrusions to module factory - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.1 Obtain PVC resin - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.2 Produce PVC extrusions - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.3 Ship PVC extrusions to module factory - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.1 Obtain PVC resin - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.2 Produce PVC extrusions - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.3 Ship PVC extrusions to module factory - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.1 Obtain PVC resin - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.2 Produce PVC extrusions - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.3 Ship PVC extrusions to module factory - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.1 Obtain PVC resin - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.2 Produce PVC extrusions - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.3 Ship PVC extrusions to module factory - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.1 Obtain PVC resin - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.2 Produce PVC extrusions - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.3 Ship PVC extrusions to module factory - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.1 Obtain PVC resin - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.2 Produce PVC extrusions - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.4.3.2.12.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.1 Obtain PVC resin - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.2 Produce PVC extrusions - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.3 Ship PVC extrusions to module factory - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.1 Obtain PVC resin - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.2 Produce PVC extrusions - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.3 Ship PVC extrusions to module factory - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.1 Obtain PVC resin - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.2 Produce PVC extrusions - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.3 Ship PVC extrusions to module factory - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.1 Obtain PVC resin - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.2 Produce PVC extrusions - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.3 Ship PVC extrusions to module factory - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.1 Obtain PVC resin - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.2 Produce PVC extrusions - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.3 Ship PVC extrusions to module factory - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.1 Obtain PVC resin - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.2 Produce PVC extrusions - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.3 Ship PVC extrusions to module factory - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.1 Obtain PVC resin - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.2 Produce PVC extrusions - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.3 Ship PVC extrusions to module factory - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.1 Obtain PVC resin - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.2 Produce PVC extrusions - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.3 Ship PVC extrusions to module factory - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.1 Obtain PVC resin - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.2 Produce PVC extrusions - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.3 Ship PVC extrusions to module factory - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.1 Obtain PVC resin - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.2 Produce PVC extrusions - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.3 Ship PVC extrusions to module factory - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.1 Obtain PVC resin - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.2 Produce PVC extrusions - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.3 Ship PVC extrusions to module factory - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.1 Obtain PVC resin - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.2 Produce PVC extrusions - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.3 Ship PVC extrusions to module factory - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.1 Obtain PVC resin - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.2 Produce PVC extrusions - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.3 Ship PVC extrusions to module factory - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.1 Obtain PVC resin - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.2 Produce PVC extrusions - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.4.3.2.12.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	4,471	3,353	0
2.4.3.2.12.2.1 Obtain PVC resin - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	194,312	0
2.4.3.2.12.2.2 Produce PVC extrusions - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	174,854	0
2.4.3.2.12.2.3 Ship PVC extrusions to module factory - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	1,135	3,866
2.4.3.2.12.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	10,382	0
2.4.3.2.13.1.1 Obtain PVC resin - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	137,938	0
2.4.3.2.13.1.2 Produce PVC extrusions - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	124,265
2.4.3.2.13.1.3 Ship PVC extrusions to module factory - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	1,933
2.4.3.2.13.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	7,836
2.4.3.2.13.2.1 Obtain PVC resin - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	211,531
2.4.3.2.13.2.2 Produce PVC extrusions - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	124,446
2.4.3.2.13.2.3 Ship PVC extrusions to module factory - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	2,255
2.4.3.2.13.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	7,400
2.4.3.2.14.1.1 Obtain PVC resin - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	97,956	50,054
2.4.3.2.14.1.2 Produce PVC extrusions - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	132,660
2.4.3.2.14.1.3 Ship PVC extrusions to module factory - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	8,093
2.4.3.2.14.2.1 Obtain PVC resin - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	198,581
2.4.3.2.14.2.2 Produce PVC extrusions - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.3 Ship PVC extrusions to module factory - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.1 Obtain PVC resin - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.2 Produce PVC extrusions - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.3 Ship PVC extrusions to module factory - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.1 Obtain PVC resin - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.2 Produce PVC extrusions - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.3 Ship PVC extrusions to module factory - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.1 Obtain PVC resin - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.2 Produce PVC extrusions - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.3 Ship PVC extrusions to module factory - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.1 Obtain PVC resin - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.2 Produce PVC extrusions - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.3 Ship PVC extrusions to module factory - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.1 Obtain PVC resin - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.2 Produce PVC extrusions - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.3 Ship PVC extrusions to module factory - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.1 Obtain PVC resin - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.2 Produce PVC extrusions - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.3 Ship PVC extrusions to module factory - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.1 Obtain PVC resin - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.2 Produce PVC extrusions - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.3 Ship PVC extrusions to module factory - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.1 Obtain PVC resin - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.2 Produce PVC extrusions - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.3 Ship PVC extrusions to module factory - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.1 Obtain PVC resin - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.2 Produce PVC extrusions - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.4.3.2.12.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.1 Obtain PVC resin - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.2 Produce PVC extrusions - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.3 Ship PVC extrusions to module factory - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.1 Obtain PVC resin - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.2 Produce PVC extrusions - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.3 Ship PVC extrusions to module factory - Block 13H	BCWS	3,093	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.1 Obtain PVC resin - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.2 Produce PVC extrusions - Block 13V	BCWS	62,223	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.3 Ship PVC extrusions to module factory - Block 13V	BCWS	3,609	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.4 Quality control and documentation of extrusions - Bloc	BCWS	3,700	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.1 Obtain PVC resin - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.2 Produce PVC extrusions - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.3 Ship PVC extrusions to module factory - Block 14H	BCWS	5,413	451	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.1 Obtain PVC resin - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.2 Produce PVC extrusions - Block 14V	BCWS	174,855	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.3 Ship PVC extrusions to module factory - Block 14V	BCWS	4,640	387	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.4 Quality control and documentation of extrusions - Bloc	BCWS	10,739	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.1 Obtain PVC resin - Block 15H	BCWS	140,969	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.2 Produce PVC extrusions - Block 15H	BCWS	124,265	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.3 Ship PVC extrusions to module factory - Block 15H	BCWS	0	5,026	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.4 Quality control and documentation of extrusions - Bloc	BCWS	7,836	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.1 Obtain PVC resin - Block 15V	BCWS	211,531	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.2 Produce PVC extrusions - Block 15V	BCWS	0	186,669	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.3 Ship PVC extrusions to module factory - Block 15V	BCWS	0	5,864	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	11,100	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.1 Obtain PVC resin - Block 16H	BCWS	140,969	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.2 Produce PVC extrusions - Block 16H	BCWS	41,422	82,843	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.3 Ship PVC extrusions to module factory - Block 16H	BCWS	0	0	5,026	0	0	0	0	0	0	0	0
2.4.3.2.16.1.4 Quality control and documentation of extrusions - Bloc	BCWS	2,612	5,224	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.1 Obtain PVC resin - Block 16V	BCWS	0	211,531	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.2 Produce PVC extrusions - Block 16V	BCWS	0	103,705	82,964	0	0	0	0	0	0	0	0
2.4.3.2.16.2.3 Ship PVC extrusions to module factory - Block 16V	BCWS	0	0	5,864	0	0	0	0	0	0	0	0
2.4.3.2.16.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	6,167	4,933	0	0	0	0	0	0	0	0
2.4.3.2.17.1.1 Obtain PVC resin - Block 17H	BCWS	0	150,163	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.2 Produce PVC extrusions - Block 17H	BCWS	0	0	132,660	0	0	0	0	0	0	0	0
2.4.3.2.17.1.3 Ship PVC extrusions to module factory - Block 17H	BCWS	0	0	0	5,864	0	0	0	0	0	0	0
2.4.3.2.17.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	8,093	0	0	0	0	0	0	0	0
2.4.3.2.17.2.1 Obtain PVC resin - Block 17V	BCWS	0	0	198,581	0	0	0	0	0	0	0	0
2.4.3.2.17.2.2 Produce PVC extrusions - Block 17V	BCWS	0	0	21,857	152,998	0	0	0	0	0	0	0
2.4.3.2.17.2.3 Ship PVC extrusions to module factory - Block 17V	BCWS	0	0	0	5,026	0	0	0	0	0	0	0
2.4.3.2.17.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	1,342	9,397	0	0	0	0	0	0	0
2.4.3.2.18.1.1 Obtain PVC resin - Block 18H	BCWS	0	0	140,969	0	0	0	0	0	0	0	0
2.4.3.2.18.1.2 Produce PVC extrusions - Block 18H	BCWS	0	0	124,265	0	0	0	0	0	0	0	0
2.4.3.2.18.1.3 Ship PVC extrusions to module factory - Block 18H	BCWS	0	0	0	3,093	1,933	0	0	0	0	0	0
2.4.3.2.18.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836	0	0	0	0	0	0	0	0
2.4.3.2.18.2.1 Obtain PVC resin - Block 18V	BCWS	0	0	158,648	52,883	0	0	0	0	0	0	0
2.4.3.2.18.2.2 Produce PVC extrusions - Block 18V	BCWS	0	0	0	186,669	0	0	0	0	0	0	0
2.4.3.2.18.2.3 Ship PVC extrusions to module factory - Block 18V	BCWS	0	0	0	3,609	2,255	0	0	0	0	0	0
2.4.3.2.18.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	11,100	0	0	0	0	0	0	0
2.4.3.2.19.1.1 Obtain PVC resin - Block 19H	BCWS	0	0	0	150,163	0	0	0	0	0	0	0
2.4.3.2.19.1.2 Produce PVC extrusions - Block 19H	BCWS	0	0	0	75,806	56,854	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.4.3.2.12.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.1 Obtain PVC resin - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.2 Produce PVC extrusions - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.3 Ship PVC extrusions to module factory - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.1 Obtain PVC resin - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.2 Produce PVC extrusions - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.3 Ship PVC extrusions to module factory - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.1 Obtain PVC resin - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.2 Produce PVC extrusions - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.3 Ship PVC extrusions to module factory - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.1 Obtain PVC resin - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.2 Produce PVC extrusions - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.3 Ship PVC extrusions to module factory - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.1 Obtain PVC resin - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.2 Produce PVC extrusions - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.3 Ship PVC extrusions to module factory - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.1 Obtain PVC resin - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.2 Produce PVC extrusions - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.3 Ship PVC extrusions to module factory - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.1 Obtain PVC resin - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.2 Produce PVC extrusions - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.3 Ship PVC extrusions to module factory - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.1 Obtain PVC resin - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.2 Produce PVC extrusions - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.3 Ship PVC extrusions to module factory - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.1 Obtain PVC resin - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.2 Produce PVC extrusions - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.3 Ship PVC extrusions to module factory - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.1 Obtain PVC resin - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.2 Produce PVC extrusions - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.3 Ship PVC extrusions to module factory - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.1 Obtain PVC resin - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.2 Produce PVC extrusions - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.3 Ship PVC extrusions to module factory - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.1 Obtain PVC resin - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.2 Produce PVC extrusions - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.3 Ship PVC extrusions to module factory - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.1 Obtain PVC resin - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.2 Produce PVC extrusions - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.3 Ship PVC extrusions to module factory - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.1 Obtain PVC resin - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.2 Produce PVC extrusions - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.4.3.2.12.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.1 Obtain PVC resin - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.2 Produce PVC extrusions - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.3 Ship PVC extrusions to module factory - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.12.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.1 Obtain PVC resin - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.2 Produce PVC extrusions - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.3 Ship PVC extrusions to module factory - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.1 Obtain PVC resin - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.2 Produce PVC extrusions - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.3 Ship PVC extrusions to module factory - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.13.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.1 Obtain PVC resin - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.2 Produce PVC extrusions - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.3 Ship PVC extrusions to module factory - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.1 Obtain PVC resin - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.2 Produce PVC extrusions - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.3 Ship PVC extrusions to module factory - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.14.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.1 Obtain PVC resin - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.2 Produce PVC extrusions - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.3 Ship PVC extrusions to module factory - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.1 Obtain PVC resin - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.2 Produce PVC extrusions - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.3 Ship PVC extrusions to module factory - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.15.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.1 Obtain PVC resin - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.2 Produce PVC extrusions - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.3 Ship PVC extrusions to module factory - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.1 Obtain PVC resin - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.2 Produce PVC extrusions - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.3 Ship PVC extrusions to module factory - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.16.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.1 Obtain PVC resin - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.2 Produce PVC extrusions - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.3 Ship PVC extrusions to module factory - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.1 Obtain PVC resin - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.2 Produce PVC extrusions - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.3 Ship PVC extrusions to module factory - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.17.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.1 Obtain PVC resin - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.2 Produce PVC extrusions - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.3 Ship PVC extrusions to module factory - Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.1 Obtain PVC resin - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.2 Produce PVC extrusions - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.3 Ship PVC extrusions to module factory - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.18.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.1 Obtain PVC resin - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.2 Produce PVC extrusions - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
NV-DEC10	NOvA projec			
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WP[20]		AUG14	SEP14	Cumulative
2.4.3.2.12.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,824
2.4.3.2.12.2.1 Obtain PVC resin - Block 12V	BCWS	0	0	194,312
2.4.3.2.12.2.2 Produce PVC extrusions - Block 12V	BCWS	0	0	174,854
2.4.3.2.12.2.3 Ship PVC extrusions to module factory - Block 12V	BCWS	0	0	5,001
2.4.3.2.12.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	10,382
2.4.3.2.13.1.1 Obtain PVC resin - Block 13H	BCWS	0	0	137,938
2.4.3.2.13.1.2 Produce PVC extrusions - Block 13H	BCWS	0	0	124,265
2.4.3.2.13.1.3 Ship PVC extrusions to module factory - Block 13H	BCWS	0	0	5,026
2.4.3.2.13.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836
2.4.3.2.13.2.1 Obtain PVC resin - Block 13V	BCWS	0	0	211,531
2.4.3.2.13.2.2 Produce PVC extrusions - Block 13V	BCWS	0	0	186,669
2.4.3.2.13.2.3 Ship PVC extrusions to module factory - Block 13V	BCWS	0	0	5,864
2.4.3.2.13.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,100
2.4.3.2.14.1.1 Obtain PVC resin - Block 14H	BCWS	0	0	148,011
2.4.3.2.14.1.2 Produce PVC extrusions - Block 14H	BCWS	0	0	132,660
2.4.3.2.14.1.3 Ship PVC extrusions to module factory - Block 14H	BCWS	0	0	5,864
2.4.3.2.14.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	8,093
2.4.3.2.14.2.1 Obtain PVC resin - Block 14V	BCWS	0	0	198,581
2.4.3.2.14.2.2 Produce PVC extrusions - Block 14V	BCWS	0	0	174,855
2.4.3.2.14.2.3 Ship PVC extrusions to module factory - Block 14V	BCWS	0	0	5,026
2.4.3.2.14.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	10,739
2.4.3.2.15.1.1 Obtain PVC resin - Block 15H	BCWS	0	0	140,969
2.4.3.2.15.1.2 Produce PVC extrusions - Block 15H	BCWS	0	0	124,265
2.4.3.2.15.1.3 Ship PVC extrusions to module factory - Block 15H	BCWS	0	0	5,026
2.4.3.2.15.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836
2.4.3.2.15.2.1 Obtain PVC resin - Block 15V	BCWS	0	0	211,531
2.4.3.2.15.2.2 Produce PVC extrusions - Block 15V	BCWS	0	0	186,669
2.4.3.2.15.2.3 Ship PVC extrusions to module factory - Block 15V	BCWS	0	0	5,864
2.4.3.2.15.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,100
2.4.3.2.16.1.1 Obtain PVC resin - Block 16H	BCWS	0	0	140,969
2.4.3.2.16.1.2 Produce PVC extrusions - Block 16H	BCWS	0	0	124,265
2.4.3.2.16.1.3 Ship PVC extrusions to module factory - Block 16H	BCWS	0	0	5,026
2.4.3.2.16.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836
2.4.3.2.16.2.1 Obtain PVC resin - Block 16V	BCWS	0	0	211,531
2.4.3.2.16.2.2 Produce PVC extrusions - Block 16V	BCWS	0	0	186,669
2.4.3.2.16.2.3 Ship PVC extrusions to module factory - Block 16V	BCWS	0	0	5,864
2.4.3.2.16.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,100
2.4.3.2.17.1.1 Obtain PVC resin - Block 17H	BCWS	0	0	150,163
2.4.3.2.17.1.2 Produce PVC extrusions - Block 17H	BCWS	0	0	132,660
2.4.3.2.17.1.3 Ship PVC extrusions to module factory - Block 17H	BCWS	0	0	5,864
2.4.3.2.17.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	8,093
2.4.3.2.17.2.1 Obtain PVC resin - Block 17V	BCWS	0	0	198,581
2.4.3.2.17.2.2 Produce PVC extrusions - Block 17V	BCWS	0	0	174,855
2.4.3.2.17.2.3 Ship PVC extrusions to module factory - Block 17V	BCWS	0	0	5,026
2.4.3.2.17.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	10,739
2.4.3.2.18.1.1 Obtain PVC resin - Block 18H	BCWS	0	0	140,969
2.4.3.2.18.1.2 Produce PVC extrusions - Block 18H	BCWS	0	0	124,265
2.4.3.2.18.1.3 Ship PVC extrusions to module factory - Block 18H	BCWS	0	0	5,026
2.4.3.2.18.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836
2.4.3.2.18.2.1 Obtain PVC resin - Block 18V	BCWS	0	0	211,531
2.4.3.2.18.2.2 Produce PVC extrusions - Block 18V	BCWS	0	0	186,669
2.4.3.2.18.2.3 Ship PVC extrusions to module factory - Block 18V	BCWS	0	0	5,864
2.4.3.2.18.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,100
2.4.3.2.19.1.1 Obtain PVC resin - Block 19H	BCWS	0	0	150,163
2.4.3.2.19.1.2 Produce PVC extrusions - Block 19H	BCWS	0	0	132,660

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.4.3.2.19.1.3 Ship PVC extrusions to module factory - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.1 Obtain PVC resin - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.2 Produce PVC extrusions - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.3 Ship PVC extrusions to module factory - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.1 Obtain PVC resin - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.2 Produce PVC extrusions - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.3 Ship PVC extrusions to module factory - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.1 Obtain PVC resin - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.2 Produce PVC extrusions - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.3 Ship PVC extrusions to module factory - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.1 Obtain PVC resin - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.2 Produce PVC extrusions - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.3 Ship PVC extrusions to module factory - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.1 Obtain PVC resin - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.2 Produce PVC extrusions - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.3 Ship PVC extrusions to module factory - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.1 Obtain PVC resin - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.2 Produce PVC extrusions - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.3 Ship PVC extrusions to module factory - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.1 Obtain PVC resin - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.2 Produce PVC extrusions - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.3 Ship PVC extrusions to module factory - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.1 Obtain PVC resin - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.2 Produce PVC extrusions - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.3 Ship PVC extrusions to module factory - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.1 Obtain PVC resin - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.2 Produce PVC extrusions - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.3 Ship PVC extrusions to module factory - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.1 Obtain PVC resin - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.2 Produce PVC extrusions - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.3 Ship PVC extrusions to module factory - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.1 Obtain PVC resin - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.2 Produce PVC extrusions - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.3 Ship PVC extrusions to module factory - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.1 Obtain PVC resin - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.2 Produce PVC extrusions - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.3 Ship PVC extrusions to module factory - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.1 Obtain PVC resin - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.2 Produce PVC extrusions - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.3 Ship PVC extrusions to module factory - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.1 Obtain PVC resin - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.4.3.2.19.1.3 Ship PVC extrusions to module factory - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.1 Obtain PVC resin - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.2 Produce PVC extrusions - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.3 Ship PVC extrusions to module factory - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.1 Obtain PVC resin - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.2 Produce PVC extrusions - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.3 Ship PVC extrusions to module factory - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.1 Obtain PVC resin - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.2 Produce PVC extrusions - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.3 Ship PVC extrusions to module factory - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.1 Obtain PVC resin - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.2 Produce PVC extrusions - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.3 Ship PVC extrusions to module factory - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.1 Obtain PVC resin - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.2 Produce PVC extrusions - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.3 Ship PVC extrusions to module factory - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.1 Obtain PVC resin - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.2 Produce PVC extrusions - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.3 Ship PVC extrusions to module factory - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.1 Obtain PVC resin - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.2 Produce PVC extrusions - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.3 Ship PVC extrusions to module factory - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.1 Obtain PVC resin - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.2 Produce PVC extrusions - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.3 Ship PVC extrusions to module factory - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.1 Obtain PVC resin - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.2 Produce PVC extrusions - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.3 Ship PVC extrusions to module factory - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.1 Obtain PVC resin - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.2 Produce PVC extrusions - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.3 Ship PVC extrusions to module factory - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.1 Obtain PVC resin - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.2 Produce PVC extrusions - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.3 Ship PVC extrusions to module factory - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.1 Obtain PVC resin - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.2 Produce PVC extrusions - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.3 Ship PVC extrusions to module factory - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.1 Obtain PVC resin - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.2 Produce PVC extrusions - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.3 Ship PVC extrusions to module factory - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.1 Obtain PVC resin - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.4.3.2.19.1.3 Ship PVC extrusions to module factory - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.1 Obtain PVC resin - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.2 Produce PVC extrusions - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.3 Ship PVC extrusions to module factory - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.1 Obtain PVC resin - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.2 Produce PVC extrusions - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.3 Ship PVC extrusions to module factory - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.1 Obtain PVC resin - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.2 Produce PVC extrusions - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.3 Ship PVC extrusions to module factory - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.1 Obtain PVC resin - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.2 Produce PVC extrusions - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.3 Ship PVC extrusions to module factory - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.1 Obtain PVC resin - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.2 Produce PVC extrusions - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.3 Ship PVC extrusions to module factory - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.1 Obtain PVC resin - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.2 Produce PVC extrusions - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.3 Ship PVC extrusions to module factory - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.1 Obtain PVC resin - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.2 Produce PVC extrusions - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.3 Ship PVC extrusions to module factory - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.1 Obtain PVC resin - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.2 Produce PVC extrusions - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.3 Ship PVC extrusions to module factory - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.1 Obtain PVC resin - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.2 Produce PVC extrusions - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.3 Ship PVC extrusions to module factory - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.1 Obtain PVC resin - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.2 Produce PVC extrusions - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.3 Ship PVC extrusions to module factory - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.1 Obtain PVC resin - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.2 Produce PVC extrusions - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.3 Ship PVC extrusions to module factory - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.1 Obtain PVC resin - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.2 Produce PVC extrusions - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.3 Ship PVC extrusions to module factory - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.1 Obtain PVC resin - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.2 Produce PVC extrusions - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.3 Ship PVC extrusions to module factory - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.1 Obtain PVC resin - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.4.3.2.19.1.3 Ship PVC extrusions to module factory - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.1 Obtain PVC resin - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.2 Produce PVC extrusions - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.3 Ship PVC extrusions to module factory - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.1 Obtain PVC resin - Block 2H	BCWS	0	0	0	0	0	0	0	0	79,278	80,944	0
2.4.3.2.2.1.2 Produce PVC extrusions - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.3 Ship PVC extrusions to module factory - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.1 Obtain PVC resin - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	194,312	0
2.4.3.2.2.2.2 Produce PVC extrusions - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.3 Ship PVC extrusions to module factory - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.1 Obtain PVC resin - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.2 Produce PVC extrusions - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.3 Ship PVC extrusions to module factory - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.1 Obtain PVC resin - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.2 Produce PVC extrusions - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.3 Ship PVC extrusions to module factory - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.1 Obtain PVC resin - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.2 Produce PVC extrusions - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.3 Ship PVC extrusions to module factory - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.1 Obtain PVC resin - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.2 Produce PVC extrusions - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.3 Ship PVC extrusions to module factory - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.1 Obtain PVC resin - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.2 Produce PVC extrusions - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.3 Ship PVC extrusions to module factory - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.1 Obtain PVC resin - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.2 Produce PVC extrusions - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.3 Ship PVC extrusions to module factory - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.1 Obtain PVC resin - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.2 Produce PVC extrusions - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.3 Ship PVC extrusions to module factory - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.1 Obtain PVC resin - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.2 Produce PVC extrusions - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.3 Ship PVC extrusions to module factory - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.1 Obtain PVC resin - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.2 Produce PVC extrusions - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.3 Ship PVC extrusions to module factory - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.1 Obtain PVC resin - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.2 Produce PVC extrusions - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.3 Ship PVC extrusions to module factory - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.1 Obtain PVC resin - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.4.3.2.19.1.3 Ship PVC extrusions to module factory - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.1 Obtain PVC resin - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.2 Produce PVC extrusions - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.3 Ship PVC extrusions to module factory - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.1 Obtain PVC resin - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.2 Produce PVC extrusions - Block 2H	BCWS	0	153,557	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.3 Ship PVC extrusions to module factory - Block 2H	BCWS	0	0	0	4,855	883	0	0	0	0	0	0
2.4.3.2.2.1.4 Quality control and documentation of extrusions - Block	BCWS	0	7,824	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.1 Obtain PVC resin - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.2 Produce PVC extrusions - Block 2V	BCWS	0	0	179,920	0	0	0	0	0	0	0	0
2.4.3.2.2.2.3 Ship PVC extrusions to module factory - Block 2V	BCWS	0	0	0	4,162	757	0	0	0	0	0	0
2.4.3.2.2.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	10,382	0	0	0	0	0	0	0	0
2.4.3.2.20.1.1 Obtain PVC resin - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.2 Produce PVC extrusions - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.3 Ship PVC extrusions to module factory - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.1 Obtain PVC resin - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.2 Produce PVC extrusions - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.3 Ship PVC extrusions to module factory - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.1 Obtain PVC resin - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.2 Produce PVC extrusions - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.3 Ship PVC extrusions to module factory - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.1 Obtain PVC resin - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.2 Produce PVC extrusions - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.3 Ship PVC extrusions to module factory - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.1 Obtain PVC resin - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.2 Produce PVC extrusions - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.3 Ship PVC extrusions to module factory - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.1 Obtain PVC resin - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.2 Produce PVC extrusions - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.3 Ship PVC extrusions to module factory - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.1 Obtain PVC resin - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.2 Produce PVC extrusions - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.3 Ship PVC extrusions to module factory - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.1 Obtain PVC resin - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.2 Produce PVC extrusions - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.3 Ship PVC extrusions to module factory - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.1 Obtain PVC resin - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.2 Produce PVC extrusions - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.3 Ship PVC extrusions to module factory - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.1 Obtain PVC resin - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.2 Produce PVC extrusions - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.3 Ship PVC extrusions to module factory - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.1 Obtain PVC resin - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.4.3.2.19.1.3 Ship PVC extrusions to module factory - Block 19H	BCWS	0	0	0	0	4,962	902	0	0	0	0	0
2.4.3.2.19.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	4,624	3,468	0	0	0	0	0	0
2.4.3.2.19.2.1 Obtain PVC resin - Block 19V	BCWS	0	0	0	56,737	141,843	0	0	0	0	0	0
2.4.3.2.19.2.2 Produce PVC extrusions - Block 19V	BCWS	0	0	0	0	174,855	0	0	0	0	0	0
2.4.3.2.19.2.3 Ship PVC extrusions to module factory - Block 19V	BCWS	0	0	0	0	4,253	773	0	0	0	0	0
2.4.3.2.19.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	10,739	0	0	0	0	0	0
2.4.3.2.2.1.1 Obtain PVC resin - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.2 Produce PVC extrusions - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.3 Ship PVC extrusions to module factory - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.1 Obtain PVC resin - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.2 Produce PVC extrusions - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.3 Ship PVC extrusions to module factory - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.1 Obtain PVC resin - Block 20H	BCWS	0	0	0	140,969	0	0	0	0	0	0	0
2.4.3.2.20.1.2 Produce PVC extrusions - Block 20H	BCWS	0	0	0	0	124,265	0	0	0	0	0	0
2.4.3.2.20.1.3 Ship PVC extrusions to module factory - Block 20H	BCWS	0	0	0	0	0	5,026	0	0	0	0	0
2.4.3.2.20.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	7,836	0	0	0	0	0	0
2.4.3.2.20.2.1 Obtain PVC resin - Block 20V	BCWS	0	0	0	0	211,531	0	0	0	0	0	0
2.4.3.2.20.2.2 Produce PVC extrusions - Block 20V	BCWS	0	0	0	0	82,964	103,705	0	0	0	0	0
2.4.3.2.20.2.3 Ship PVC extrusions to module factory - Block 20V	BCWS	0	0	0	0	0	5,864	0	0	0	0	0
2.4.3.2.20.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	4,933	6,167	0	0	0	0	0
2.4.3.2.21.1.1 Obtain PVC resin - Block 21H	BCWS	0	0	0	0	112,775	28,194	0	0	0	0	0
2.4.3.2.21.1.2 Produce PVC extrusions - Block 21H	BCWS	0	0	0	0	0	124,265	0	0	0	0	0
2.4.3.2.21.1.3 Ship PVC extrusions to module factory - Block 21H	BCWS	0	0	0	0	0	0	5,026	0	0	0	0
2.4.3.2.21.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	7,836	0	0	0	0	0
2.4.3.2.21.2.1 Obtain PVC resin - Block 21V	BCWS	0	0	0	0	0	211,531	0	0	0	0	0
2.4.3.2.21.2.2 Produce PVC extrusions - Block 21V	BCWS	0	0	0	0	0	20,741	165,928	0	0	0	0
2.4.3.2.21.2.3 Ship PVC extrusions to module factory - Block 21V	BCWS	0	0	0	0	0	0	5,864	0	0	0	0
2.4.3.2.21.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	1,233	9,867	0	0	0	0
2.4.3.2.22.1.1 Obtain PVC resin - Block 22H	BCWS	0	0	0	0	0	150,163	0	0	0	0	0
2.4.3.2.22.1.2 Produce PVC extrusions - Block 22H	BCWS	0	0	0	0	0	132,660	0	0	0	0	0
2.4.3.2.22.1.3 Ship PVC extrusions to module factory - Block 22H	BCWS	0	0	0	0	0	0	4,060	1,804	0	0	0
2.4.3.2.22.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	8,093	0	0	0	0	0
2.4.3.2.22.2.1 Obtain PVC resin - Block 22V	BCWS	0	0	0	0	0	113,475	85,106	0	0	0	0
2.4.3.2.22.2.2 Produce PVC extrusions - Block 22V	BCWS	0	0	0	0	0	0	174,855	0	0	0	0
2.4.3.2.22.2.3 Ship PVC extrusions to module factory - Block 22V	BCWS	0	0	0	0	0	0	3,480	1,547	0	0	0
2.4.3.2.22.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	10,739	0	0	0	0
2.4.3.2.23.1.1 Obtain PVC resin - Block 23H	BCWS	0	0	0	0	0	0	140,969	0	0	0	0
2.4.3.2.23.1.2 Produce PVC extrusions - Block 23H	BCWS	0	0	0	0	0	0	103,554	20,711	0	0	0
2.4.3.2.23.1.3 Ship PVC extrusions to module factory - Block 23H	BCWS	0	0	0	0	0	0	0	4,253	773	0	0
2.4.3.2.23.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	6,530	1,306	0	0	0
2.4.3.2.23.2.1 Obtain PVC resin - Block 23V	BCWS	0	0	0	0	0	0	105,765	105,765	0	0	0
2.4.3.2.23.2.2 Produce PVC extrusions - Block 23V	BCWS	0	0	0	0	0	0	0	186,669	0	0	0
2.4.3.2.23.2.3 Ship PVC extrusions to module factory - Block 23V	BCWS	0	0	0	0	0	0	0	4,962	902	0	0
2.4.3.2.23.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	11,100	0	0	0
2.4.3.2.24.1.1 Obtain PVC resin - Block 24H	BCWS	0	0	0	0	0	0	150,163	0	0	0	0
2.4.3.2.24.1.2 Produce PVC extrusions - Block 24H	BCWS	0	0	0	0	0	0	0	132,660	0	0	0
2.4.3.2.24.1.3 Ship PVC extrusions to module factory - Block 24H	BCWS	0	0	0	0	0	0	0	0	5,864	0	0
2.4.3.2.24.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	8,093	0	0	0
2.4.3.2.24.2.1 Obtain PVC resin - Block 24V	BCWS	0	0	0	0	0	0	0	198,581	0	0	0
2.4.3.2.24.2.2 Produce PVC extrusions - Block 24V	BCWS	0	0	0	0	0	0	0	65,571	109,284	0	0
2.4.3.2.24.2.3 Ship PVC extrusions to module factory - Block 24V	BCWS	0	0	0	0	0	0	0	0	5,026	0	0
2.4.3.2.24.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	4,027	6,712	0	0
2.4.3.2.25.1.1 Obtain PVC resin - Block 25H	BCWS	0	0	0	0	0	0	0	112,775	28,194	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.4.3.2.19.1.3 Ship PVC extrusions to module factory - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.1 Obtain PVC resin - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.2 Produce PVC extrusions - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.3 Ship PVC extrusions to module factory - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.1 Obtain PVC resin - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.2 Produce PVC extrusions - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.3 Ship PVC extrusions to module factory - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.1 Obtain PVC resin - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.2 Produce PVC extrusions - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.3 Ship PVC extrusions to module factory - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.1 Obtain PVC resin - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.2 Produce PVC extrusions - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.3 Ship PVC extrusions to module factory - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.1 Obtain PVC resin - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.2 Produce PVC extrusions - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.3 Ship PVC extrusions to module factory - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.1 Obtain PVC resin - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.2 Produce PVC extrusions - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.3 Ship PVC extrusions to module factory - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.1 Obtain PVC resin - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.2 Produce PVC extrusions - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.3 Ship PVC extrusions to module factory - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.1 Obtain PVC resin - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.2 Produce PVC extrusions - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.3 Ship PVC extrusions to module factory - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.1 Obtain PVC resin - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.2 Produce PVC extrusions - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.3 Ship PVC extrusions to module factory - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.1 Obtain PVC resin - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.2 Produce PVC extrusions - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.3 Ship PVC extrusions to module factory - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.1 Obtain PVC resin - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.2 Produce PVC extrusions - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.3 Ship PVC extrusions to module factory - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.1 Obtain PVC resin - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.2 Produce PVC extrusions - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.3 Ship PVC extrusions to module factory - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.1 Obtain PVC resin - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.2 Produce PVC extrusions - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.3 Ship PVC extrusions to module factory - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.1 Obtain PVC resin - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.4.3.2.19.1.3 Ship PVC extrusions to module factory - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.1 Obtain PVC resin - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.2 Produce PVC extrusions - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.3 Ship PVC extrusions to module factory - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.19.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.1 Obtain PVC resin - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.2 Produce PVC extrusions - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.3 Ship PVC extrusions to module factory - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.1 Obtain PVC resin - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.2 Produce PVC extrusions - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.3 Ship PVC extrusions to module factory - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.2.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.1 Obtain PVC resin - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.2 Produce PVC extrusions - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.3 Ship PVC extrusions to module factory - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.1 Obtain PVC resin - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.2 Produce PVC extrusions - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.3 Ship PVC extrusions to module factory - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.20.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.1 Obtain PVC resin - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.2 Produce PVC extrusions - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.3 Ship PVC extrusions to module factory - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.1 Obtain PVC resin - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.2 Produce PVC extrusions - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.3 Ship PVC extrusions to module factory - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.21.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.1 Obtain PVC resin - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.2 Produce PVC extrusions - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.3 Ship PVC extrusions to module factory - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.1 Obtain PVC resin - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.2 Produce PVC extrusions - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.3 Ship PVC extrusions to module factory - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.22.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.1 Obtain PVC resin - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.2 Produce PVC extrusions - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.3 Ship PVC extrusions to module factory - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.1 Obtain PVC resin - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.2 Produce PVC extrusions - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.3 Ship PVC extrusions to module factory - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.23.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.1 Obtain PVC resin - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.2 Produce PVC extrusions - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.3 Ship PVC extrusions to module factory - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.1 Obtain PVC resin - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.2 Produce PVC extrusions - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.3 Ship PVC extrusions to module factory - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.24.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.1 Obtain PVC resin - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
NV-DEC10	NOvA projec			
Run Date:	Status Date:			
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WP[20]		AUG14	SEP14	Cumulative
2.4.3.2.19.1.3 Ship PVC extrusions to module factory - Block 19H	BCWS	0	0	5,864
2.4.3.2.19.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	8,093
2.4.3.2.19.2.1 Obtain PVC resin - Block 19V	BCWS	0	0	198,581
2.4.3.2.19.2.2 Produce PVC extrusions - Block 19V	BCWS	0	0	174,855
2.4.3.2.19.2.3 Ship PVC extrusions to module factory - Block 19V	BCWS	0	0	5,026
2.4.3.2.19.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	10,739
2.4.3.2.2.1.1 Obtain PVC resin - Block 2H	BCWS	0	0	160,222
2.4.3.2.2.1.2 Produce PVC extrusions - Block 2H	BCWS	0	0	153,557
2.4.3.2.2.1.3 Ship PVC extrusions to module factory - Block 2H	BCWS	0	0	5,738
2.4.3.2.2.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	7,824
2.4.3.2.2.2.1 Obtain PVC resin - Block 2V	BCWS	0	0	194,312
2.4.3.2.2.2.2 Produce PVC extrusions - Block 2V	BCWS	0	0	179,920
2.4.3.2.2.2.3 Ship PVC extrusions to module factory - Block 2V	BCWS	0	0	4,918
2.4.3.2.2.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	10,382
2.4.3.2.20.1.1 Obtain PVC resin - Block 20H	BCWS	0	0	140,969
2.4.3.2.20.1.2 Produce PVC extrusions - Block 20H	BCWS	0	0	124,265
2.4.3.2.20.1.3 Ship PVC extrusions to module factory - Block 20H	BCWS	0	0	5,026
2.4.3.2.20.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836
2.4.3.2.20.2.1 Obtain PVC resin - Block 20V	BCWS	0	0	211,531
2.4.3.2.20.2.2 Produce PVC extrusions - Block 20V	BCWS	0	0	186,669
2.4.3.2.20.2.3 Ship PVC extrusions to module factory - Block 20V	BCWS	0	0	5,864
2.4.3.2.20.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,100
2.4.3.2.21.1.1 Obtain PVC resin - Block 21H	BCWS	0	0	140,969
2.4.3.2.21.1.2 Produce PVC extrusions - Block 21H	BCWS	0	0	124,265
2.4.3.2.21.1.3 Ship PVC extrusions to module factory - Block 21H	BCWS	0	0	5,026
2.4.3.2.21.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836
2.4.3.2.21.2.1 Obtain PVC resin - Block 21V	BCWS	0	0	211,531
2.4.3.2.21.2.2 Produce PVC extrusions - Block 21V	BCWS	0	0	186,669
2.4.3.2.21.2.3 Ship PVC extrusions to module factory - Block 21V	BCWS	0	0	5,864
2.4.3.2.21.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,100
2.4.3.2.22.1.1 Obtain PVC resin - Block 22H	BCWS	0	0	150,163
2.4.3.2.22.1.2 Produce PVC extrusions - Block 22H	BCWS	0	0	132,660
2.4.3.2.22.1.3 Ship PVC extrusions to module factory - Block 22H	BCWS	0	0	5,864
2.4.3.2.22.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	8,093
2.4.3.2.22.2.1 Obtain PVC resin - Block 22V	BCWS	0	0	198,581
2.4.3.2.22.2.2 Produce PVC extrusions - Block 22V	BCWS	0	0	174,855
2.4.3.2.22.2.3 Ship PVC extrusions to module factory - Block 22V	BCWS	0	0	5,026
2.4.3.2.22.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	10,739
2.4.3.2.23.1.1 Obtain PVC resin - Block 23H	BCWS	0	0	140,969
2.4.3.2.23.1.2 Produce PVC extrusions - Block 23H	BCWS	0	0	124,265
2.4.3.2.23.1.3 Ship PVC extrusions to module factory - Block 23H	BCWS	0	0	5,026
2.4.3.2.23.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836
2.4.3.2.23.2.1 Obtain PVC resin - Block 23V	BCWS	0	0	211,531
2.4.3.2.23.2.2 Produce PVC extrusions - Block 23V	BCWS	0	0	186,669
2.4.3.2.23.2.3 Ship PVC extrusions to module factory - Block 23V	BCWS	0	0	5,864
2.4.3.2.23.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,100
2.4.3.2.24.1.1 Obtain PVC resin - Block 24H	BCWS	0	0	150,163
2.4.3.2.24.1.2 Produce PVC extrusions - Block 24H	BCWS	0	0	132,660
2.4.3.2.24.1.3 Ship PVC extrusions to module factory - Block 24H	BCWS	0	0	5,864
2.4.3.2.24.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	8,093
2.4.3.2.24.2.1 Obtain PVC resin - Block 24V	BCWS	0	0	198,581
2.4.3.2.24.2.2 Produce PVC extrusions - Block 24V	BCWS	0	0	174,855
2.4.3.2.24.2.3 Ship PVC extrusions to module factory - Block 24V	BCWS	0	0	5,026
2.4.3.2.24.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	10,739
2.4.3.2.25.1.1 Obtain PVC resin - Block 25H	BCWS	0	0	140,969

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.4.3.2.25.1.2 Produce PVC extrusions - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.3 Ship PVC extrusions to module factory - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.1 Obtain PVC resin - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.2 Produce PVC extrusions - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.3 Ship PVC extrusions to module factory - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.1 Obtain PVC resin - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.2 Produce PVC extrusions - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.3 Ship PVC extrusions to module factory - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.1 Obtain PVC resin - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.2 Produce PVC extrusions - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.3 Ship PVC extrusions to module factory - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.1 Obtain PVC resin - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.2 Produce PVC extrusions - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.3 Ship PVC extrusions to module factory - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.1 Obtain PVC resin - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.2 Produce PVC extrusions - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.3 Ship PVC extrusions to module factory - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.1 Obtain PVC resin - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.2 Produce PVC extrusions - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.3 Ship PVC extrusions to module factory - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.1 Obtain PVC resin - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.2 Produce PVC extrusions - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.3 Ship PVC extrusions to module factory - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.1 Obtain PVC resin - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.2 Produce PVC extrusions - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.3 Ship PVC extrusions to module factory - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.1 Obtain PVC resin - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.2 Produce PVC extrusions - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.3 Ship PVC extrusions to module factory - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.1 Obtain PVC resin - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.2 Produce PVC extrusions - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.3 Ship PVC extrusions to module factory - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.1 Obtain PVC resin - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.2 Produce PVC extrusions - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.3 Ship PVC extrusions to module factory - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.1 Obtain PVC resin - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.2 Produce PVC extrusions - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.3 Ship PVC extrusions to module factory - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.1 Obtain PVC resin - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.2 Produce PVC extrusions - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.3 Ship PVC extrusions to module factory - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.4.3.2.25.1.2 Produce PVC extrusions - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.3 Ship PVC extrusions to module factory - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.1 Obtain PVC resin - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.2 Produce PVC extrusions - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.3 Ship PVC extrusions to module factory - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.1 Obtain PVC resin - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.2 Produce PVC extrusions - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.3 Ship PVC extrusions to module factory - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.1 Obtain PVC resin - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.2 Produce PVC extrusions - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.3 Ship PVC extrusions to module factory - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.1 Obtain PVC resin - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.2 Produce PVC extrusions - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.3 Ship PVC extrusions to module factory - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.1 Obtain PVC resin - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.2 Produce PVC extrusions - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.3 Ship PVC extrusions to module factory - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.1 Obtain PVC resin - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.2 Produce PVC extrusions - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.3 Ship PVC extrusions to module factory - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.1 Obtain PVC resin - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.2 Produce PVC extrusions - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.3 Ship PVC extrusions to module factory - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.1 Obtain PVC resin - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.2 Produce PVC extrusions - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.3 Ship PVC extrusions to module factory - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.1 Obtain PVC resin - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.2 Produce PVC extrusions - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.3 Ship PVC extrusions to module factory - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.1 Obtain PVC resin - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.2 Produce PVC extrusions - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.3 Ship PVC extrusions to module factory - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.1 Obtain PVC resin - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.2 Produce PVC extrusions - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.3 Ship PVC extrusions to module factory - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.1 Obtain PVC resin - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.2 Produce PVC extrusions - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.3 Ship PVC extrusions to module factory - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.1 Obtain PVC resin - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.2 Produce PVC extrusions - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.3 Ship PVC extrusions to module factory - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.4.3.2.25.1.2 Produce PVC extrusions - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.3 Ship PVC extrusions to module factory - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.1 Obtain PVC resin - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.2 Produce PVC extrusions - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.3 Ship PVC extrusions to module factory - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.1 Obtain PVC resin - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.2 Produce PVC extrusions - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.3 Ship PVC extrusions to module factory - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.1 Obtain PVC resin - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.2 Produce PVC extrusions - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.3 Ship PVC extrusions to module factory - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.1 Obtain PVC resin - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.2 Produce PVC extrusions - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.3 Ship PVC extrusions to module factory - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.1 Obtain PVC resin - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.2 Produce PVC extrusions - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.3 Ship PVC extrusions to module factory - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.1 Obtain PVC resin - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.2 Produce PVC extrusions - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.3 Ship PVC extrusions to module factory - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.1 Obtain PVC resin - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.2 Produce PVC extrusions - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.3 Ship PVC extrusions to module factory - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.1 Obtain PVC resin - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.2 Produce PVC extrusions - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.3 Ship PVC extrusions to module factory - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.1 Obtain PVC resin - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.2 Produce PVC extrusions - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.3 Ship PVC extrusions to module factory - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.1 Obtain PVC resin - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.2 Produce PVC extrusions - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.3 Ship PVC extrusions to module factory - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.1 Obtain PVC resin - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.2 Produce PVC extrusions - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.3 Ship PVC extrusions to module factory - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.1 Obtain PVC resin - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.2 Produce PVC extrusions - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.3 Ship PVC extrusions to module factory - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.1 Obtain PVC resin - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.2 Produce PVC extrusions - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.3 Ship PVC extrusions to module factory - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.4.3.2.25.1.2 Produce PVC extrusions - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.3 Ship PVC extrusions to module factory - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.1 Obtain PVC resin - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.2 Produce PVC extrusions - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.3 Ship PVC extrusions to module factory - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.1 Obtain PVC resin - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.2 Produce PVC extrusions - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.3 Ship PVC extrusions to module factory - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.1 Obtain PVC resin - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.2 Produce PVC extrusions - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.3 Ship PVC extrusions to module factory - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.1 Obtain PVC resin - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.2 Produce PVC extrusions - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.3 Ship PVC extrusions to module factory - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.1 Obtain PVC resin - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.2 Produce PVC extrusions - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.3 Ship PVC extrusions to module factory - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.1 Obtain PVC resin - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.2 Produce PVC extrusions - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.3 Ship PVC extrusions to module factory - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.1 Obtain PVC resin - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.2 Produce PVC extrusions - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.3 Ship PVC extrusions to module factory - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.1 Obtain PVC resin - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.2 Produce PVC extrusions - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.3 Ship PVC extrusions to module factory - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.1 Obtain PVC resin - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.2 Produce PVC extrusions - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.3 Ship PVC extrusions to module factory - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.1 Obtain PVC resin - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	137,938
2.4.3.2.3.1.2 Produce PVC extrusions - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.3 Ship PVC extrusions to module factory - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.1 Obtain PVC resin - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	155,237
2.4.3.2.3.2.2 Produce PVC extrusions - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.3 Ship PVC extrusions to module factory - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.1 Obtain PVC resin - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.2 Produce PVC extrusions - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.3 Ship PVC extrusions to module factory - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.1 Obtain PVC resin - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.2 Produce PVC extrusions - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.3 Ship PVC extrusions to module factory - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.4.3.2.25.1.2 Produce PVC extrusions - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.3 Ship PVC extrusions to module factory - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.1 Obtain PVC resin - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.2 Produce PVC extrusions - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.3 Ship PVC extrusions to module factory - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.1 Obtain PVC resin - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.2 Produce PVC extrusions - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.3 Ship PVC extrusions to module factory - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.1 Obtain PVC resin - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.2 Produce PVC extrusions - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.3 Ship PVC extrusions to module factory - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.1 Obtain PVC resin - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.2 Produce PVC extrusions - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.3 Ship PVC extrusions to module factory - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.1 Obtain PVC resin - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.2 Produce PVC extrusions - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.3 Ship PVC extrusions to module factory - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.1 Obtain PVC resin - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.2 Produce PVC extrusions - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.3 Ship PVC extrusions to module factory - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.1 Obtain PVC resin - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.2 Produce PVC extrusions - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.3 Ship PVC extrusions to module factory - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.1 Obtain PVC resin - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.2 Produce PVC extrusions - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.3 Ship PVC extrusions to module factory - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.1 Obtain PVC resin - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.2 Produce PVC extrusions - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.3 Ship PVC extrusions to module factory - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.1 Obtain PVC resin - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.2 Produce PVC extrusions - Block 3H	BCWS	0	0	124,265	0	0	0	0	0	0	0	0
2.4.3.2.3.1.3 Ship PVC extrusions to module factory - Block 3H	BCWS	0	0	0	0	4,918	0	0	0	0	0	0
2.4.3.2.3.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	7,573	0	0	0	0	0	0	0	0
2.4.3.2.3.2.1 Obtain PVC resin - Block 3V	BCWS	51,746	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.2 Produce PVC extrusions - Block 3V	BCWS	0	0	0	186,669	0	0	0	0	0	0	0
2.4.3.2.3.2.3 Ship PVC extrusions to module factory - Block 3V	BCWS	0	0	0	0	5,738	0	0	0	0	0	0
2.4.3.2.3.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	10,735	0	0	0	0	0	0	0
2.4.3.2.30.1.1 Obtain PVC resin - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.2 Produce PVC extrusions - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.3 Ship PVC extrusions to module factory - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.1 Obtain PVC resin - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.2 Produce PVC extrusions - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.3 Ship PVC extrusions to module factory - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.4.3.2.25.1.2 Produce PVC extrusions - Block 25H	BCWS	0	0	0	0	0	0	0	0	124,265	0	0
2.4.3.2.25.1.3 Ship PVC extrusions to module factory - Block 25H	BCWS	0	0	0	0	0	0	0	0	387	4,640	0
2.4.3.2.25.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	7,836	0	0
2.4.3.2.25.2.1 Obtain PVC resin - Block 25V	BCWS	0	0	0	0	0	0	0	0	211,531	0	0
2.4.3.2.25.2.2 Produce PVC extrusions - Block 25V	BCWS	0	0	0	0	0	0	0	0	41,482	145,187	0
2.4.3.2.25.2.3 Ship PVC extrusions to module factory - Block 25V	BCWS	0	0	0	0	0	0	0	0	451	5,413	0
2.4.3.2.25.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	2,467	8,634	0
2.4.3.2.26.1.1 Obtain PVC resin - Block 26H	BCWS	0	0	0	0	0	0	0	0	140,969	0	0
2.4.3.2.26.1.2 Produce PVC extrusions - Block 26H	BCWS	0	0	0	0	0	0	0	0	124,265	0	0
2.4.3.2.26.1.3 Ship PVC extrusions to module factory - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	4,253	773
2.4.3.2.26.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	7,836	0	0
2.4.3.2.26.2.1 Obtain PVC resin - Block 26V	BCWS	0	0	0	0	0	0	0	0	158,648	52,883	0
2.4.3.2.26.2.2 Produce PVC extrusions - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	186,669	0
2.4.3.2.26.2.3 Ship PVC extrusions to module factory - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	4,962	902
2.4.3.2.26.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	11,100	0
2.4.3.2.27.1.1 Obtain PVC resin - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	150,163	0
2.4.3.2.27.1.2 Produce PVC extrusions - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	113,709	18,951
2.4.3.2.27.1.3 Ship PVC extrusions to module factory - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	4,511
2.4.3.2.27.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	6,937	1,156
2.4.3.2.27.2.1 Obtain PVC resin - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	113,475	85,106
2.4.3.2.27.2.2 Produce PVC extrusions - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	174,855
2.4.3.2.27.2.3 Ship PVC extrusions to module factory - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	3,866
2.4.3.2.27.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	10,739
2.4.3.2.28.1.1 Obtain PVC resin - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	140,969	0
2.4.3.2.28.1.2 Produce PVC extrusions - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	124,265
2.4.3.2.28.1.3 Ship PVC extrusions to module factory - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	7,836
2.4.3.2.28.2.1 Obtain PVC resin - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	211,531
2.4.3.2.28.2.2 Produce PVC extrusions - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	61,322
2.4.3.2.28.2.3 Ship PVC extrusions to module factory - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	3,700
2.4.3.2.29.1.1 Obtain PVC resin - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	100,109
2.4.3.2.29.1.2 Produce PVC extrusions - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.3 Ship PVC extrusions to module factory - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.1 Obtain PVC resin - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.2 Produce PVC extrusions - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.3 Ship PVC extrusions to module factory - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.1 Obtain PVC resin - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.2 Produce PVC extrusions - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.3 Ship PVC extrusions to module factory - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.1 Obtain PVC resin - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.2 Produce PVC extrusions - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.3 Ship PVC extrusions to module factory - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.1 Obtain PVC resin - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.2 Produce PVC extrusions - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.3 Ship PVC extrusions to module factory - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.1 Obtain PVC resin - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.2 Produce PVC extrusions - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.3 Ship PVC extrusions to module factory - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.4.3.2.25.1.2 Produce PVC extrusions - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.3 Ship PVC extrusions to module factory - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.1 Obtain PVC resin - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.2 Produce PVC extrusions - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.3 Ship PVC extrusions to module factory - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.1 Obtain PVC resin - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.2 Produce PVC extrusions - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.3 Ship PVC extrusions to module factory - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.1 Obtain PVC resin - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.2 Produce PVC extrusions - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.3 Ship PVC extrusions to module factory - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.1 Obtain PVC resin - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.2 Produce PVC extrusions - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.3 Ship PVC extrusions to module factory - Block 27H	BCWS	1,383	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.1 Obtain PVC resin - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.2 Produce PVC extrusions - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.3 Ship PVC extrusions to module factory - Block 27V	BCWS	1,185	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.1 Obtain PVC resin - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.2 Produce PVC extrusions - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.3 Ship PVC extrusions to module factory - Block 28H	BCWS	5,137	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.1 Obtain PVC resin - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.2 Produce PVC extrusions - Block 28V	BCWS	125,347	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.3 Ship PVC extrusions to module factory - Block 28V	BCWS	5,993	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.4 Quality control and documentation of extrusions - Bloc	BCWS	7,653	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.1 Obtain PVC resin - Block 29H	BCWS	51,157	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.2 Produce PVC extrusions - Block 29H	BCWS	132,660	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.3 Ship PVC extrusions to module factory - Block 29H	BCWS	461	5,532	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.4 Quality control and documentation of extrusions - Bloc	BCWS	8,372	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.1 Obtain PVC resin - Block 29V	BCWS	202,957	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.2 Produce PVC extrusions - Block 29V	BCWS	43,714	131,141	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.3 Ship PVC extrusions to module factory - Block 29V	BCWS	395	4,742	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.4 Quality control and documentation of extrusions - Bloc	BCWS	2,778	8,333	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.1 Obtain PVC resin - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.2 Produce PVC extrusions - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.3 Ship PVC extrusions to module factory - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.1 Obtain PVC resin - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.2 Produce PVC extrusions - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.3 Ship PVC extrusions to module factory - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.1 Obtain PVC resin - Block 30H	BCWS	144,076	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.2 Produce PVC extrusions - Block 30H	BCWS	127,624	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.3 Ship PVC extrusions to module factory - Block 30H	BCWS	0	3,161	1,976	0	0	0	0	0	0	0	0
2.4.3.2.30.1.4 Quality control and documentation of extrusions - Bloc	BCWS	8,110	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.1 Obtain PVC resin - Block 30V	BCWS	189,169	27,024	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.2 Produce PVC extrusions - Block 30V	BCWS	0	186,669	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.3 Ship PVC extrusions to module factory - Block 30V	BCWS	0	3,688	2,305	0	0	0	0	0	0	0	0
2.4.3.2.30.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	11,480	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.4.3.2.25.1.2 Produce PVC extrusions - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.3 Ship PVC extrusions to module factory - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.1 Obtain PVC resin - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.2 Produce PVC extrusions - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.3 Ship PVC extrusions to module factory - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.25.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.1 Obtain PVC resin - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.2 Produce PVC extrusions - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.3 Ship PVC extrusions to module factory - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.1 Obtain PVC resin - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.2 Produce PVC extrusions - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.3 Ship PVC extrusions to module factory - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.26.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.1 Obtain PVC resin - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.2 Produce PVC extrusions - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.3 Ship PVC extrusions to module factory - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.1 Obtain PVC resin - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.2 Produce PVC extrusions - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.3 Ship PVC extrusions to module factory - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.27.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.1 Obtain PVC resin - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.2 Produce PVC extrusions - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.3 Ship PVC extrusions to module factory - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.1 Obtain PVC resin - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.2 Produce PVC extrusions - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.3 Ship PVC extrusions to module factory - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.28.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.1 Obtain PVC resin - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.2 Produce PVC extrusions - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.3 Ship PVC extrusions to module factory - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.1 Obtain PVC resin - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.2 Produce PVC extrusions - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.3 Ship PVC extrusions to module factory - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.29.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.1 Obtain PVC resin - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.2 Produce PVC extrusions - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.3 Ship PVC extrusions to module factory - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.1 Obtain PVC resin - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.2 Produce PVC extrusions - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.3 Ship PVC extrusions to module factory - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.3.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.1 Obtain PVC resin - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.2 Produce PVC extrusions - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.3 Ship PVC extrusions to module factory - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.1 Obtain PVC resin - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.2 Produce PVC extrusions - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.3 Ship PVC extrusions to module factory - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.30.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
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WP[20]		AUG14	SEP14	Cumulative
2.4.3.2.25.1.2 Produce PVC extrusions - Block 25H	BCWS	0	0	124,265
2.4.3.2.25.1.3 Ship PVC extrusions to module factory - Block 25H	BCWS	0	0	5,026
2.4.3.2.25.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836
2.4.3.2.25.2.1 Obtain PVC resin - Block 25V	BCWS	0	0	211,531
2.4.3.2.25.2.2 Produce PVC extrusions - Block 25V	BCWS	0	0	186,669
2.4.3.2.25.2.3 Ship PVC extrusions to module factory - Block 25V	BCWS	0	0	5,864
2.4.3.2.25.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,100
2.4.3.2.26.1.1 Obtain PVC resin - Block 26H	BCWS	0	0	140,969
2.4.3.2.26.1.2 Produce PVC extrusions - Block 26H	BCWS	0	0	124,265
2.4.3.2.26.1.3 Ship PVC extrusions to module factory - Block 26H	BCWS	0	0	5,026
2.4.3.2.26.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836
2.4.3.2.26.2.1 Obtain PVC resin - Block 26V	BCWS	0	0	211,531
2.4.3.2.26.2.2 Produce PVC extrusions - Block 26V	BCWS	0	0	186,669
2.4.3.2.26.2.3 Ship PVC extrusions to module factory - Block 26V	BCWS	0	0	5,864
2.4.3.2.26.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,100
2.4.3.2.27.1.1 Obtain PVC resin - Block 27H	BCWS	0	0	150,163
2.4.3.2.27.1.2 Produce PVC extrusions - Block 27H	BCWS	0	0	132,660
2.4.3.2.27.1.3 Ship PVC extrusions to module factory - Block 27H	BCWS	0	0	5,894
2.4.3.2.27.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	8,093
2.4.3.2.27.2.1 Obtain PVC resin - Block 27V	BCWS	0	0	198,581
2.4.3.2.27.2.2 Produce PVC extrusions - Block 27V	BCWS	0	0	174,855
2.4.3.2.27.2.3 Ship PVC extrusions to module factory - Block 27V	BCWS	0	0	5,052
2.4.3.2.27.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	10,739
2.4.3.2.28.1.1 Obtain PVC resin - Block 28H	BCWS	0	0	140,969
2.4.3.2.28.1.2 Produce PVC extrusions - Block 28H	BCWS	0	0	124,265
2.4.3.2.28.1.3 Ship PVC extrusions to module factory - Block 28H	BCWS	0	0	5,137
2.4.3.2.28.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	7,836
2.4.3.2.28.2.1 Obtain PVC resin - Block 28V	BCWS	0	0	211,531
2.4.3.2.28.2.2 Produce PVC extrusions - Block 28V	BCWS	0	0	186,669
2.4.3.2.28.2.3 Ship PVC extrusions to module factory - Block 28V	BCWS	0	0	5,993
2.4.3.2.28.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,353
2.4.3.2.29.1.1 Obtain PVC resin - Block 29H	BCWS	0	0	151,266
2.4.3.2.29.1.2 Produce PVC extrusions - Block 29H	BCWS	0	0	132,660
2.4.3.2.29.1.3 Ship PVC extrusions to module factory - Block 29H	BCWS	0	0	5,993
2.4.3.2.29.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	8,372
2.4.3.2.29.2.1 Obtain PVC resin - Block 29V	BCWS	0	0	202,957
2.4.3.2.29.2.2 Produce PVC extrusions - Block 29V	BCWS	0	0	174,854
2.4.3.2.29.2.3 Ship PVC extrusions to module factory - Block 29V	BCWS	0	0	5,137
2.4.3.2.29.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,111
2.4.3.2.3.1.1 Obtain PVC resin - Block 3H	BCWS	0	0	137,938
2.4.3.2.3.1.2 Produce PVC extrusions - Block 3H	BCWS	0	0	124,265
2.4.3.2.3.1.3 Ship PVC extrusions to module factory - Block 3H	BCWS	0	0	4,918
2.4.3.2.3.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	7,573
2.4.3.2.3.2.1 Obtain PVC resin - Block 3V	BCWS	0	0	206,983
2.4.3.2.3.2.2 Produce PVC extrusions - Block 3V	BCWS	0	0	186,669
2.4.3.2.3.2.3 Ship PVC extrusions to module factory - Block 3V	BCWS	0	0	5,738
2.4.3.2.3.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	10,735
2.4.3.2.30.1.1 Obtain PVC resin - Block 30H	BCWS	0	0	144,076
2.4.3.2.30.1.2 Produce PVC extrusions - Block 30H	BCWS	0	0	127,624
2.4.3.2.30.1.3 Ship PVC extrusions to module factory - Block 30H	BCWS	0	0	5,137
2.4.3.2.30.1.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	8,110
2.4.3.2.30.2.1 Obtain PVC resin - Block 30V	BCWS	0	0	216,193
2.4.3.2.30.2.2 Produce PVC extrusions - Block 30V	BCWS	0	0	186,669
2.4.3.2.30.2.3 Ship PVC extrusions to module factory - Block 30V	BCWS	0	0	5,993
2.4.3.2.30.2.4 Quality control and documentation of extrusions - Bloc	BCWS	0	0	11,480

Program:	Description:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.4.3.2.4.1.1 Obtain PVC resin - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.2 Produce PVC extrusions - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.3 Ship PVC extrusions to module factory - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.1 Obtain PVC resin - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.2 Produce PVC extrusions - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.3 Ship PVC extrusions to module factory - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.1 Obtain PVC resin - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.2 Produce PVC extrusions - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.3 Ship PVC extrusions to module factory - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.1 Obtain PVC resin - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.2 Produce PVC extrusions - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.3 Ship PVC extrusions to module factory - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.1 Obtain PVC resin - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.2 Produce PVC extrusions - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.3 Ship PVC extrusions to module factory - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.1 Obtain PVC resin - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.2 Produce PVC extrusions - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.3 Ship PVC extrusions to module factory - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.1 Obtain PVC resin - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.2 Produce PVC extrusions - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.3 Ship PVC extrusions to module factory - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.1 Obtain PVC resin - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.2 Produce PVC extrusions - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.3 Ship PVC extrusions to module factory - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.1 Obtain PVC resin - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.2 Produce PVC extrusions - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.3 Ship PVC extrusions to module factory - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.1 Obtain PVC resin - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.2 Produce PVC extrusions - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.3 Ship PVC extrusions to module factory - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.1 Obtain PVC resin - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.2 Produce PVC extrusions - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.3 Ship PVC extrusions to module factory - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.1 Obtain PVC resin - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.2 Produce PVC extrusions - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.3 Ship PVC extrusions to module factory - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.1 Procure hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.10 Ship samples for QA - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.2 Setup hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.4 Data-taking and analysis - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.5 Data-taking and analysis - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.6 Data-taking and analysis - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.8 Ship samples for QA - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.4.3.2.4.1.1 Obtain PVC resin - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.2 Produce PVC extrusions - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.3 Ship PVC extrusions to module factory - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.1 Obtain PVC resin - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.2 Produce PVC extrusions - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.3 Ship PVC extrusions to module factory - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.1 Obtain PVC resin - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.2 Produce PVC extrusions - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.3 Ship PVC extrusions to module factory - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.1 Obtain PVC resin - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.2 Produce PVC extrusions - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.3 Ship PVC extrusions to module factory - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.1 Obtain PVC resin - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.2 Produce PVC extrusions - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.3 Ship PVC extrusions to module factory - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.1 Obtain PVC resin - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.2 Produce PVC extrusions - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.3 Ship PVC extrusions to module factory - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.1 Obtain PVC resin - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.2 Produce PVC extrusions - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.3 Ship PVC extrusions to module factory - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.1 Obtain PVC resin - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.2 Produce PVC extrusions - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.3 Ship PVC extrusions to module factory - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.1 Obtain PVC resin - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.2 Produce PVC extrusions - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.3 Ship PVC extrusions to module factory - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.1 Obtain PVC resin - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.2 Produce PVC extrusions - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.3 Ship PVC extrusions to module factory - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.1 Obtain PVC resin - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.2 Produce PVC extrusions - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.3 Ship PVC extrusions to module factory - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.1 Obtain PVC resin - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.2 Produce PVC extrusions - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.3 Ship PVC extrusions to module factory - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.1 Procure hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.10 Ship samples for QA - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.2 Setup hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.4 Data-taking and analysis - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.5 Data-taking and analysis - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.6 Data-taking and analysis - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.8 Ship samples for QA - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.4.3.2.4.1.1 Obtain PVC resin - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.2 Produce PVC extrusions - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.3 Ship PVC extrusions to module factory - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.1 Obtain PVC resin - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.2 Produce PVC extrusions - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.3 Ship PVC extrusions to module factory - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.1 Obtain PVC resin - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.2 Produce PVC extrusions - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.3 Ship PVC extrusions to module factory - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.1 Obtain PVC resin - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.2 Produce PVC extrusions - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.3 Ship PVC extrusions to module factory - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.1 Obtain PVC resin - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.2 Produce PVC extrusions - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.3 Ship PVC extrusions to module factory - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.1 Obtain PVC resin - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.2 Produce PVC extrusions - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.3 Ship PVC extrusions to module factory - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.1 Obtain PVC resin - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.2 Produce PVC extrusions - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.3 Ship PVC extrusions to module factory - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.1 Obtain PVC resin - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.2 Produce PVC extrusions - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.3 Ship PVC extrusions to module factory - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.1 Obtain PVC resin - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.2 Produce PVC extrusions - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.3 Ship PVC extrusions to module factory - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.1 Obtain PVC resin - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.2 Produce PVC extrusions - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.3 Ship PVC extrusions to module factory - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.1 Obtain PVC resin - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.2 Produce PVC extrusions - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.3 Ship PVC extrusions to module factory - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.1 Obtain PVC resin - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.2 Produce PVC extrusions - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.3 Ship PVC extrusions to module factory - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.1 Procure hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.10 Ship samples for QA - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.2 Setup hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.4 Data-taking and analysis - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.5 Data-taking and analysis - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.6 Data-taking and analysis - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.8 Ship samples for QA - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.4.3.2.4.1.1 Obtain PVC resin - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.2 Produce PVC extrusions - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.3 Ship PVC extrusions to module factory - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.1 Obtain PVC resin - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.2 Produce PVC extrusions - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.3 Ship PVC extrusions to module factory - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.1 Obtain PVC resin - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.2 Produce PVC extrusions - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.3 Ship PVC extrusions to module factory - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.1 Obtain PVC resin - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.2 Produce PVC extrusions - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.3 Ship PVC extrusions to module factory - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.1 Obtain PVC resin - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.2 Produce PVC extrusions - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.3 Ship PVC extrusions to module factory - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.1 Obtain PVC resin - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.2 Produce PVC extrusions - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.3 Ship PVC extrusions to module factory - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.1 Obtain PVC resin - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.2 Produce PVC extrusions - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.3 Ship PVC extrusions to module factory - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.1 Obtain PVC resin - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.2 Produce PVC extrusions - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.3 Ship PVC extrusions to module factory - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.1 Obtain PVC resin - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.2 Produce PVC extrusions - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.3 Ship PVC extrusions to module factory - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.1 Obtain PVC resin - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.2 Produce PVC extrusions - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.3 Ship PVC extrusions to module factory - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.1 Obtain PVC resin - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.2 Produce PVC extrusions - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.3 Ship PVC extrusions to module factory - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.1 Obtain PVC resin - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.2 Produce PVC extrusions - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.3 Ship PVC extrusions to module factory - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.1 Procure hardware	BCWS	0	0	0	0	0	31,998	26,180	0	0	0	0
2.4.4.10 Ship samples for QA - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.2 Setup hardware	BCWS	0	0	0	0	0	0	8,626	15,814	4,313	0	0
2.4.4.4 Data-taking and analysis - FY11	BCWS	0	0	0	0	0	0	0	0	0	7,342	-7,342
2.4.4.5 Data-taking and analysis - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.6 Data-taking and analysis - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.8 Ship samples for QA - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.4.3.2.4.1.1 Obtain PVC resin - Block 4H	BCWS	0	146,935	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.2 Produce PVC extrusions - Block 4H	BCWS	0	0	37,903	94,757	0	0	0	0	0	0	0
2.4.3.2.4.1.3 Ship PVC extrusions to module factory - Block 4H	BCWS	0	0	0	0	2,648	3,090	0	0	0	0	0
2.4.3.2.4.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	2,235	5,589	0	0	0	0	0	0	0
2.4.3.2.4.2.1 Obtain PVC resin - Block 4V	BCWS	0	0	0	194,312	0	0	0	0	0	0	0
2.4.3.2.4.2.2 Produce PVC extrusions - Block 4V	BCWS	0	0	0	179,676	0	0	0	0	0	0	0
2.4.3.2.4.2.3 Ship PVC extrusions to module factory - Block 4V	BCWS	0	0	0	0	2,270	2,648	0	0	0	0	0
2.4.3.2.4.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	10,382	0	0	0	0	0	0	0
2.4.3.2.5.1.1 Obtain PVC resin - Block 5H	BCWS	0	0	0	137,938	0	0	0	0	0	0	0
2.4.3.2.5.1.2 Produce PVC extrusions - Block 5H	BCWS	0	0	0	0	124,265	0	0	0	0	0	0
2.4.3.2.5.1.3 Ship PVC extrusions to module factory - Block 5H	BCWS	0	0	0	0	0	4,918	0	0	0	0	0
2.4.3.2.5.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	7,573	0	0	0	0	0	0
2.4.3.2.5.2.1 Obtain PVC resin - Block 5V	BCWS	0	0	0	0	206,983	0	0	0	0	0	0
2.4.3.2.5.2.2 Produce PVC extrusions - Block 5V	BCWS	0	0	0	0	145,187	41,482	0	0	0	0	0
2.4.3.2.5.2.3 Ship PVC extrusions to module factory - Block 5V	BCWS	0	0	0	0	0	5,738	0	0	0	0	0
2.4.3.2.5.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	8,350	2,386	0	0	0	0	0
2.4.3.2.6.1.1 Obtain PVC resin - Block 6H	BCWS	0	0	0	110,351	27,588	0	0	0	0	0	0
2.4.3.2.6.1.2 Produce PVC extrusions - Block 6H	BCWS	0	0	0	0	124,265	0	0	0	0	0	0
2.4.3.2.6.1.3 Ship PVC extrusions to module factory - Block 6H	BCWS	0	0	0	0	0	378	4,540	0	0	0	0
2.4.3.2.6.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	7,573	0	0	0	0	0	0
2.4.3.2.6.2.1 Obtain PVC resin - Block 6V	BCWS	0	0	0	0	206,983	0	0	0	0	0	0
2.4.3.2.6.2.2 Produce PVC extrusions - Block 6V	BCWS	0	0	0	0	0	186,669	0	0	0	0	0
2.4.3.2.6.2.3 Ship PVC extrusions to module factory - Block 6V	BCWS	0	0	0	0	0	441	5,297	0	0	0	0
2.4.3.2.6.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	10,735	0	0	0	0	0
2.4.3.2.7.1.1 Obtain PVC resin - Block 7H	BCWS	0	0	0	0	0	146,935	0	0	0	0	0
2.4.3.2.7.1.2 Produce PVC extrusions - Block 7H	BCWS	0	0	0	0	0	132,660	0	0	0	0	0
2.4.3.2.7.1.3 Ship PVC extrusions to module factory - Block 7H	BCWS	0	0	0	0	0	0	4,414	1,324	0	0	0
2.4.3.2.7.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	7,824	0	0	0	0	0
2.4.3.2.7.2.1 Obtain PVC resin - Block 7V	BCWS	0	0	0	0	0	194,312	0	0	0	0	0
2.4.3.2.7.2.2 Produce PVC extrusions - Block 7V	BCWS	0	0	0	0	0	0	174,854	0	0	0	0
2.4.3.2.7.2.3 Ship PVC extrusions to module factory - Block 7V	BCWS	0	0	0	0	0	0	3,783	1,135	0	0	0
2.4.3.2.7.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	10,382	0	0	0	0
2.4.3.2.8.1.1 Obtain PVC resin - Block 8H	BCWS	0	0	0	0	0	137,938	0	0	0	0	0
2.4.3.2.8.1.2 Produce PVC extrusions - Block 8H	BCWS	0	0	0	0	0	41,422	82,843	0	0	0	0
2.4.3.2.8.1.3 Ship PVC extrusions to module factory - Block 8H	BCWS	0	0	0	0	0	0	0	4,918	0	0	0
2.4.3.2.8.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	2,524	5,049	0	0	0	0
2.4.3.2.8.2.1 Obtain PVC resin - Block 8V	BCWS	0	0	0	0	0	0	206,983	0	0	0	0
2.4.3.2.8.2.2 Produce PVC extrusions - Block 8V	BCWS	0	0	0	0	0	0	186,669	0	0	0	0
2.4.3.2.8.2.3 Ship PVC extrusions to module factory - Block 8V	BCWS	0	0	0	0	0	0	0	5,738	0	0	0
2.4.3.2.8.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	10,735	0	0	0	0
2.4.3.2.9.1.1 Obtain PVC resin - Block 9H	BCWS	0	0	0	0	0	0	146,935	0	0	0	0
2.4.3.2.9.1.2 Produce PVC extrusions - Block 9H	BCWS	0	0	0	0	0	0	0	132,660	0	0	0
2.4.3.2.9.1.3 Ship PVC extrusions to module factory - Block 9H	BCWS	0	0	0	0	0	0	0	1,766	3,972	0	0
2.4.3.2.9.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	7,824	0	0	0
2.4.3.2.9.2.1 Obtain PVC resin - Block 9V	BCWS	0	0	0	0	0	0	0	194,312	0	0	0
2.4.3.2.9.2.2 Produce PVC extrusions - Block 9V	BCWS	0	0	0	0	0	0	0	109,284	65,570	0	0
2.4.3.2.9.2.3 Ship PVC extrusions to module factory - Block 9V	BCWS	0	0	0	0	0	0	0	1,513	3,405	0	0
2.4.3.2.9.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	6,489	3,893	0	0
2.4.4.1 Procure hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.10 Ship samples for QA - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.2 Setup hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.4 Data-taking and analysis - FY11	BCWS	0	22,966	27,019	31,072	28,370	28,370	29,721	27,019	31,072	28,370	0
2.4.4.5 Data-taking and analysis - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	16,804
2.4.4.6 Data-taking and analysis - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.8 Ship samples for QA - FY11	BCWS	472	448	472	543	496	496	519	472	543	496	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.4.3.2.4.1.1 Obtain PVC resin - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.2 Produce PVC extrusions - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.3 Ship PVC extrusions to module factory - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.1 Obtain PVC resin - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.2 Produce PVC extrusions - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.3 Ship PVC extrusions to module factory - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.1 Obtain PVC resin - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.2 Produce PVC extrusions - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.3 Ship PVC extrusions to module factory - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.1 Obtain PVC resin - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.2 Produce PVC extrusions - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.3 Ship PVC extrusions to module factory - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.1 Obtain PVC resin - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.2 Produce PVC extrusions - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.3 Ship PVC extrusions to module factory - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.1 Obtain PVC resin - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.2 Produce PVC extrusions - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.3 Ship PVC extrusions to module factory - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.1 Obtain PVC resin - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.2 Produce PVC extrusions - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.3 Ship PVC extrusions to module factory - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.1 Obtain PVC resin - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.2 Produce PVC extrusions - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.3 Ship PVC extrusions to module factory - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.1 Obtain PVC resin - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.2 Produce PVC extrusions - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.3 Ship PVC extrusions to module factory - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.1 Obtain PVC resin - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.2 Produce PVC extrusions - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.3 Ship PVC extrusions to module factory - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.1 Obtain PVC resin - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.2 Produce PVC extrusions - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.3 Ship PVC extrusions to module factory - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.1 Obtain PVC resin - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.2 Produce PVC extrusions - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.3 Ship PVC extrusions to module factory - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.1 Procure hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.10 Ship samples for QA - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.2 Setup hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.4 Data-taking and analysis - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.5 Data-taking and analysis - FY12	BCWS	16,004	15,204	16,004	16,804	17,605	16,804	17,605	16,804	16,804	18,405	15,204
2.4.4.6 Data-taking and analysis - FY13 (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.8 Ship samples for QA - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.4.3.2.4.1.1 Obtain PVC resin - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.2 Produce PVC extrusions - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.3 Ship PVC extrusions to module factory - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.1 Obtain PVC resin - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.2 Produce PVC extrusions - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.3 Ship PVC extrusions to module factory - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.1 Obtain PVC resin - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.2 Produce PVC extrusions - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.3 Ship PVC extrusions to module factory - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.1 Obtain PVC resin - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.2 Produce PVC extrusions - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.3 Ship PVC extrusions to module factory - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.1 Obtain PVC resin - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.2 Produce PVC extrusions - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.3 Ship PVC extrusions to module factory - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.1 Obtain PVC resin - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.2 Produce PVC extrusions - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.3 Ship PVC extrusions to module factory - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.1 Obtain PVC resin - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.2 Produce PVC extrusions - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.3 Ship PVC extrusions to module factory - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.1 Obtain PVC resin - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.2 Produce PVC extrusions - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.3 Ship PVC extrusions to module factory - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.1 Obtain PVC resin - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.2 Produce PVC extrusions - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.3 Ship PVC extrusions to module factory - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.1 Obtain PVC resin - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.2 Produce PVC extrusions - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.3 Ship PVC extrusions to module factory - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.1 Obtain PVC resin - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.2 Produce PVC extrusions - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.3 Ship PVC extrusions to module factory - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.1 Obtain PVC resin - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.2 Produce PVC extrusions - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.3 Ship PVC extrusions to module factory - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.1 Procure hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.10 Ship samples for QA - FY13 (obsolete)	BCWS	2,239	1,947	1,753	2,045	1,947	2,045	2,142	2,142	1,947	2,142	2,142
2.4.4.2 Setup hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.4 Data-taking and analysis - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.5 Data-taking and analysis - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.6 Data-taking and analysis - FY13 (obsolete)	BCWS	12,881	11,201	10,081	11,761	11,201	11,761	12,321	12,321	11,201	12,321	12,321
2.4.4.8 Ship samples for QA - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.4.3.2.4.1.1 Obtain PVC resin - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.2 Produce PVC extrusions - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.3 Ship PVC extrusions to module factory - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.1 Obtain PVC resin - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.2 Produce PVC extrusions - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.3 Ship PVC extrusions to module factory - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.4.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.1 Obtain PVC resin - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.2 Produce PVC extrusions - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.3 Ship PVC extrusions to module factory - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.1 Obtain PVC resin - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.2 Produce PVC extrusions - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.3 Ship PVC extrusions to module factory - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.5.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.1 Obtain PVC resin - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.2 Produce PVC extrusions - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.3 Ship PVC extrusions to module factory - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.1 Obtain PVC resin - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.2 Produce PVC extrusions - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.3 Ship PVC extrusions to module factory - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.6.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.1 Obtain PVC resin - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.2 Produce PVC extrusions - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.3 Ship PVC extrusions to module factory - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.1 Obtain PVC resin - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.2 Produce PVC extrusions - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.3 Ship PVC extrusions to module factory - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.7.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.1 Obtain PVC resin - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.2 Produce PVC extrusions - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.3 Ship PVC extrusions to module factory - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.1 Obtain PVC resin - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.2 Produce PVC extrusions - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.3 Ship PVC extrusions to module factory - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.8.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.1 Obtain PVC resin - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.2 Produce PVC extrusions - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.3 Ship PVC extrusions to module factory - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.1 Obtain PVC resin - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.2 Produce PVC extrusions - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.3 Ship PVC extrusions to module factory - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.3.2.9.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.1 Procure hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.10 Ship samples for QA - FY13 (obsolete)	BCWS	1,850	0	0	0	0	0	0	0	0	0	0
2.4.4.2 Setup hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.4 Data-taking and analysis - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.5 Data-taking and analysis - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.6 Data-taking and analysis - FY13 (obsolete)	BCWS	10,641	0	0	0	0	0	0	0	0	0	0
2.4.4.8 Ship samples for QA - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.4.3.2.4.1.1 Obtain PVC resin - Block 4H	BCWS	0	0	146,935
2.4.3.2.4.1.2 Produce PVC extrusions - Block 4H	BCWS	0	0	132,660
2.4.3.2.4.1.3 Ship PVC extrusions to module factory - Block 4H	BCWS	0	0	5,738
2.4.3.2.4.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	7,824
2.4.3.2.4.2.1 Obtain PVC resin - Block 4V	BCWS	0	0	194,312
2.4.3.2.4.2.2 Produce PVC extrusions - Block 4V	BCWS	0	0	179,676
2.4.3.2.4.2.3 Ship PVC extrusions to module factory - Block 4V	BCWS	0	0	4,918
2.4.3.2.4.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	10,382
2.4.3.2.5.1.1 Obtain PVC resin - Block 5H	BCWS	0	0	137,938
2.4.3.2.5.1.2 Produce PVC extrusions - Block 5H	BCWS	0	0	124,265
2.4.3.2.5.1.3 Ship PVC extrusions to module factory - Block 5H	BCWS	0	0	4,918
2.4.3.2.5.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	7,573
2.4.3.2.5.2.1 Obtain PVC resin - Block 5V	BCWS	0	0	206,983
2.4.3.2.5.2.2 Produce PVC extrusions - Block 5V	BCWS	0	0	186,669
2.4.3.2.5.2.3 Ship PVC extrusions to module factory - Block 5V	BCWS	0	0	5,738
2.4.3.2.5.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	10,735
2.4.3.2.6.1.1 Obtain PVC resin - Block 6H	BCWS	0	0	137,938
2.4.3.2.6.1.2 Produce PVC extrusions - Block 6H	BCWS	0	0	124,265
2.4.3.2.6.1.3 Ship PVC extrusions to module factory - Block 6H	BCWS	0	0	4,918
2.4.3.2.6.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	7,573
2.4.3.2.6.2.1 Obtain PVC resin - Block 6V	BCWS	0	0	206,983
2.4.3.2.6.2.2 Produce PVC extrusions - Block 6V	BCWS	0	0	186,669
2.4.3.2.6.2.3 Ship PVC extrusions to module factory - Block 6V	BCWS	0	0	5,738
2.4.3.2.6.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	10,735
2.4.3.2.7.1.1 Obtain PVC resin - Block 7H	BCWS	0	0	146,935
2.4.3.2.7.1.2 Produce PVC extrusions - Block 7H	BCWS	0	0	132,660
2.4.3.2.7.1.3 Ship PVC extrusions to module factory - Block 7H	BCWS	0	0	5,738
2.4.3.2.7.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	7,824
2.4.3.2.7.2.1 Obtain PVC resin - Block 7V	BCWS	0	0	194,312
2.4.3.2.7.2.2 Produce PVC extrusions - Block 7V	BCWS	0	0	174,854
2.4.3.2.7.2.3 Ship PVC extrusions to module factory - Block 7V	BCWS	0	0	4,918
2.4.3.2.7.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	10,382
2.4.3.2.8.1.1 Obtain PVC resin - Block 8H	BCWS	0	0	137,938
2.4.3.2.8.1.2 Produce PVC extrusions - Block 8H	BCWS	0	0	124,265
2.4.3.2.8.1.3 Ship PVC extrusions to module factory - Block 8H	BCWS	0	0	4,918
2.4.3.2.8.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	7,573
2.4.3.2.8.2.1 Obtain PVC resin - Block 8V	BCWS	0	0	206,983
2.4.3.2.8.2.2 Produce PVC extrusions - Block 8V	BCWS	0	0	186,669
2.4.3.2.8.2.3 Ship PVC extrusions to module factory - Block 8V	BCWS	0	0	5,738
2.4.3.2.8.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	10,735
2.4.3.2.9.1.1 Obtain PVC resin - Block 9H	BCWS	0	0	146,935
2.4.3.2.9.1.2 Produce PVC extrusions - Block 9H	BCWS	0	0	132,660
2.4.3.2.9.1.3 Ship PVC extrusions to module factory - Block 9H	BCWS	0	0	5,738
2.4.3.2.9.1.4 Quality control and documentation of extrusions - Block	BCWS	0	0	7,824
2.4.3.2.9.2.1 Obtain PVC resin - Block 9V	BCWS	0	0	194,312
2.4.3.2.9.2.2 Produce PVC extrusions - Block 9V	BCWS	0	0	174,854
2.4.3.2.9.2.3 Ship PVC extrusions to module factory - Block 9V	BCWS	0	0	4,918
2.4.3.2.9.2.4 Quality control and documentation of extrusions - Block	BCWS	0	0	10,382
2.4.4.1 Procure hardware	BCWS	0	0	58,179
2.4.4.10 Ship samples for QA - FY13 (obsolete)	BCWS	0	0	24,341
2.4.4.2 Setup hardware	BCWS	0	0	28,752
2.4.4.4 Data-taking and analysis - FY11	BCWS	0	0	253,982
2.4.4.5 Data-taking and analysis - FY12	BCWS	0	0	200,053
2.4.4.6 Data-taking and analysis - FY13 (obsolete)	BCWS	0	0	140,009
2.4.4.8 Ship samples for QA - FY11	BCWS	0	0	4,956

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.4.4.9 Ship samples for QA - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.12 Procure and set up tensile test machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.13 Fabricate impact tester	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.1 Finalize design for pallets and motion systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.1 Procure commercial pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.2 Procure pallet assembly hardware and tools	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.3 Obtain pallet bridges (extrusions) and assemble pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.4 Obtain additional pallet bridges (extrusions) and assemble p	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.1 Procure motion system components (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.2 Assemble pallet motion system (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.2 Prototype caster-jack system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.1 Storage - FY10 - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.2 Storage - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.3 Storage - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.1 Extrusion Sorting Device (ESD)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.2 Make vacuum lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.3 Assemble and commission ESD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.6 Procure airbags for extrusion shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.1 Prepare fiber manifold final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.8 Fabricate production manifold components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.9 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.10 Prepare fiber manifold final design and specifications - su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.11 Study cracks and redesign manifold cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.1 Prepare end plate and seal final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.10 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.2 Prepare and issue bid packages for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.4.4.9 Ship samples for QA - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.12 Procure and set up tensile test machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.13 Fabricate impact tester	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.1 Finalize design for pallets and motion systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.1 Procure commercial pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.2 Procure pallet assembly hardware and tools	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.3 Obtain pallet bridges (extrusions) and assemble pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.4 Obtain additional pallet bridges (extrusions) and assemble p	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.1 Procure motion system components (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.2 Assemble pallet motion system (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.2 Prototype caster-jack system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.1 Storage - FY10 - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.2 Storage - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.3 Storage - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.1 Extrusion Sorting Device (ESD)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.2 Make vacuum lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.3 Assemble and commission ESD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.6 Procure airbags for extrusion shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.1 Prepare fiber manifold final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.8 Fabricate production manifold components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.9 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.10 Prepare fiber manifold final design and specifications - su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.11 Study cracks and redesign manifold cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.1 Prepare end plate and seal final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.10 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.2 Prepare and issue bid packages for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.4.4.9 Ship samples for QA - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.12 Procure and set up tensile test machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.13 Fabricate impact tester	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.1 Finalize design for pallets and motion systems	BCWS	1,754	0	0	0	0	0	0	0	0	0	0
2.4.5.2.1 Procure commercial pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.2 Procure pallet assembly hardware and tools	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.3 Obtain pallet bridges (extrusions) and assemble pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.4 Obtain additional pallet bridges (extrusions) and assemble p	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.1 Procure motion system components	BCWS	23,181	50,998	18,545	0	0	0	0	0	0	0	0
2.4.5.3.1.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.1 Procure motion system components (obsolete)	BCWS	23,181	50,998	18,545	0	0	0	0	0	0	0	0
2.4.5.3.3.2 Assemble pallet motion system (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.1 Procure motion system components	BCWS	23,181	50,998	18,545	0	0	0	0	0	0	0	0
2.4.5.3.4.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.2 Prototype caster-jack system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.1 Storage - FY10 - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.2 Storage - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.3 Storage - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.1 Extrusion Sorting Device (ESD)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.2 Make vacuum lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.3 Assemble and commission ESD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.6 Procure airbags for extrusion shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.1 Labor	BCWS	1,226	1,348	1,348	1,226	1,348	1,348	1,287	1,287	0	0	0
2.4.6.3.1.2 Travel	BCWS	177	194	194	177	194	194	186	186	0	0	0
2.4.6.3.2.1 Labor	BCWS	6,419	7,061	7,061	6,419	7,257	7,257	6,927	6,927	0	0	0
2.4.6.3.2.2 Travel	BCWS	816	897	897	816	901	901	860	860	0	0	0
2.4.6.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	1,413	1,220	1,284
2.4.6.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	203	175	184
2.4.6.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	7,634	6,593	6,940
2.4.6.4.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	1,020	881	927
2.4.6.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.1 Prepare fiber manifold final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.8 Fabricate production manifold components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.9 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.10 Prepare fiber manifold final design and specifications - su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.11 Study cracks and redesign manifold cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.1 Prepare end plate and seal final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.10 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.2 Prepare and issue bid packages for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.4.4.9 Ship samples for QA - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.12 Procure and set up tensile test machine	BCWS	0	0	0	0	0	0	0	0	20,169	24,106	6,887
2.4.4.13 Fabricate impact tester	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.1 Finalize design for pallets and motion systems	BCWS	0	-1,754	0	1,896	0	0	0	0	0	0	0
2.4.5.2.1 Procure commercial pallets	BCWS	0	0	0	0	0	0	0	0	33,221	11,312	0
2.4.5.2.2 Procure pallet assembly hardware and tools	BCWS	0	0	0	0	0	0	0	0	24,018	8,180	0
2.4.5.2.3 Obtain pallet bridges (extrusions) and assemble pallets	BCWS	0	0	0	0	0	0	0	0	0	0	761
2.4.5.2.4 Obtain additional pallet bridges (extrusions) and assemble p	BCWS	0	0	0	0	0	0	0	0	0	16,463	15,679
2.4.5.3.1.1 Procure motion system components	BCWS	0	-92,723	0	0	424	93,399	0	0	0	0	0
2.4.5.3.1.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	2,149	759	0
2.4.5.3.3.1 Procure motion system components (obsolete)	BCWS	0	-92,723	0	0	424	93,399	0	0	0	0	0
2.4.5.3.3.2 Assemble pallet motion system (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	3,003	0
2.4.5.3.4.1 Procure motion system components	BCWS	0	-92,723	0	0	424	93,399	0	0	0	0	0
2.4.5.3.4.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.2 Prototype caster-jack system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.1 Storage - FY10 - FY11	BCWS	0	0	0	0	0	0	0	0	0	3,982	3,793
2.4.5.4.2 Storage - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.3 Storage - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.1 Extrusion Sorting Device (ESD)	BCWS	0	0	9,181	13,772	0	0	0	0	0	0	0
2.4.5.5.2 Make vacuum lifting fixtures	BCWS	0	0	19,411	29,117	0	0	0	0	0	0	0
2.4.5.5.3 Assemble and commission ESD	BCWS	0	0	0	5,137	1,284	0	0	0	0	0	0
2.4.5.6 Procure airbags for extrusion shipping	BCWS	0	0	0	0	0	0	0	0	0	2,270	9,079
2.4.6.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.1 Labor	BCWS	1,220	1,284	1,477	1,413	1,284	1,413	1,349	1,413	1,284	0	0
2.4.6.4.1.2 Travel	BCWS	175	184	212	203	184	203	193	203	184	0	0
2.4.6.4.2.1 Labor	BCWS	6,593	6,940	7,981	7,634	6,940	7,634	7,287	7,634	6,940	0	0
2.4.6.4.2.2 Travel	BCWS	881	927	1,066	1,020	927	1,020	974	1,020	927	0	0
2.4.6.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	1,413	1,346
2.4.6.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	197	188
2.4.6.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	10,765	10,253
2.4.6.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	2,104	2,004
2.4.6.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.1 Prepare fiber manifold final design and specifications	BCWS	0	11,446	13,163	12,591	11,446	12,591	12,018	12,591	2,862	0	0
2.5.1.1.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	227	2,499	238
2.5.1.1.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	2,380
2.5.1.1.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.8 Fabricate production manifold components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.9 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.10 Prepare fiber manifold final design and specifications - su	BCWS	0	0	0	0	0	0	0	0	12,680	4,429	0
2.5.1.1.11 Study cracks and redesign manifold cover	BCWS	0	0	0	0	0	0	0	0	59,885	63,286	60,273
2.5.1.2.1 Prepare end plate and seal final design and specifications	BCWS	0	715	3,291	3,148	2,862	3,148	3,005	3,148	2,862	0	0
2.5.1.2.10 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.2 Prepare and issue bid packages for fabrication	BCWS	0	0	0	0	0	0	0	0	114	1,249	119

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.4.4.9 Ship samples for QA - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	1,144
2.4.4.12 Procure and set up tensile test machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.13 Fabricate impact tester	BCWS	0	27,833	29,298	33,693	10,254	0	0	0	0	0	0
2.4.5.1 Finalize design for pallets and motion systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.1 Procure commercial pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.2 Procure pallet assembly hardware and tools	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.3 Obtain pallet bridges (extrusions) and assemble pallets	BCWS	7,608	7,227	7,608	8,749	7,988	7,988	8,368	7,608	8,749	7,988	8,125
2.4.5.2.4 Obtain additional pallet bridges (extrusions) and assemble p	BCWS	15,679	14,895	15,679	18,030	16,463	16,463	17,247	15,679	18,030	16,463	16,758
2.4.5.3.1.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.1 Procure motion system components (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.2 Assemble pallet motion system (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.2 Assemble pallet motion system	BCWS	0	0	0	0	152	2,883	0	0	0	0	0
2.4.5.3.2 Prototype caster-jack system	BCWS	0	9,484	9,984	11,481	10,483	7,987	0	0	0	0	0
2.4.5.4.1 Storage - FY10 - FY11	BCWS	3,793	3,603	3,793	4,362	3,982	3,982	4,172	3,793	4,362	3,603	0
2.4.5.4.2 Storage - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	6,486
2.4.5.4.3 Storage - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.1 Extrusion Sorting Device (ESD)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.2 Make vacuum lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.3 Assemble and commission ESD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.6 Procure airbags for extrusion shipping	BCWS	8,625	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.1 Labor	BCWS	1,346	1,279	1,346	1,548	1,413	1,413	1,481	1,346	1,548	1,346	0
2.4.6.5.1.2 Travel	BCWS	188	179	188	216	197	197	207	188	216	188	0
2.4.6.5.2.1 Labor	BCWS	10,253	9,740	10,253	11,791	10,765	10,765	11,278	10,253	11,791	10,253	0
2.4.6.5.2.2 Travel	BCWS	2,004	1,903	2,004	2,304	2,104	2,104	2,204	2,004	2,304	2,004	0
2.4.6.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	1,481
2.4.6.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	202
2.4.6.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	16,923
2.4.6.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	2,127
2.4.6.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.1 Prepare fiber manifold final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.3 Evaluate bids and choose fabricators	BCWS	595	0	0	0	0	0	0	0	0	0	0
2.5.1.1.4 Prepare purchase order	BCWS	2,818	157	0	0	0	0	0	0	0	0	0
2.5.1.1.6 Make molds and fabricate preproduction articles	BCWS	0	118,382	131,535	151,266	92,075	0	0	0	0	0	0
2.5.1.1.7 Evaluate preproduction articles	BCWS	0	0	0	0	2,082	892	0	0	0	0	0
2.5.1.1.8 Fabricate production manifold components	BCWS	0	0	0	0	0	436,735	169,842	0	0	0	0
2.5.1.1.9 Evaluate samples from full production run	BCWS	0	0	0	0	0	2,850	1,108	0	0	0	0
2.5.1.1.10 Prepare fiber manifold final design and specifications - su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.11 Study cracks and redesign manifold cover	BCWS	57,259	0	0	0	0	0	0	0	0	0	0
2.5.1.2.1 Prepare end plate and seal final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.10 Evaluate samples from full production run	BCWS	0	0	0	0	0	1,354	527	0	0	0	0
2.5.1.2.2 Prepare and issue bid packages for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.4.4.9 Ship samples for QA - FY12	BCWS	1,090	1,035	1,090	1,144	1,199	1,144	1,199	1,144	1,144	1,253	1,035
2.4.4.12 Procure and set up tensile test machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.13 Fabricate impact tester	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.1 Finalize design for pallets and motion systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.1 Procure commercial pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.2 Procure pallet assembly hardware and tools	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.3 Obtain pallet bridges (extrusions) and assemble pallets	BCWS	7,738	7,351	7,738	8,125	8,512	8,125	8,512	8,125	0	0	0
2.4.5.2.4 Obtain additional pallet bridges (extrusions) and assemble p	BCWS	15,960	15,162	15,960	16,758	9,576	0	0	0	0	0	0
2.4.5.3.1.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.1 Procure motion system components (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.2 Assemble pallet motion system (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.2 Prototype caster-jack system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.1 Storage - FY10 - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.2 Storage - FY12	BCWS	6,177	5,868	6,177	6,486	6,794	6,486	6,794	6,486	6,486	7,103	5,868
2.4.5.4.3 Storage - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.1 Extrusion Sorting Device (ESD)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.2 Make vacuum lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.3 Assemble and commission ESD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.6 Procure airbags for extrusion shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.1 Labor	BCWS	1,411	1,340	1,411	1,481	1,552	1,481	1,552	1,481	1,481	1,622	1,340
2.4.6.6.1.2 Travel	BCWS	192	182	192	202	211	202	211	202	202	221	182
2.4.6.6.2.1 Labor	BCWS	16,117	15,312	16,117	16,923	17,729	16,923	17,729	16,923	16,923	18,535	15,312
2.4.6.6.2.2 Travel	BCWS	2,026	1,925	2,026	2,127	2,229	2,127	2,229	2,127	2,127	2,330	1,925
2.4.6.7.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.1 Prepare fiber manifold final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.8 Fabricate production manifold components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.9 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.10 Prepare fiber manifold final design and specifications - su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.11 Study cracks and redesign manifold cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.1 Prepare end plate and seal final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.10 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.2 Prepare and issue bid packages for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.4.4.9 Ship samples for QA - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.12 Procure and set up tensile test machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.13 Fabricate impact tester	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.1 Finalize design for pallets and motion systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.1 Procure commercial pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.2 Procure pallet assembly hardware and tools	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.3 Obtain pallet bridges (extrusions) and assemble pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.4 Obtain additional pallet bridges (extrusions) and assemble p	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.1 Procure motion system components (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.2 Assemble pallet motion system (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.2 Prototype caster-jack system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.1 Storage - FY10 - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.2 Storage - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.3 Storage - FY13	BCWS	4,537	3,946	3,551	4,143	3,946	4,143	4,340	4,340	3,946	4,340	4,340
2.4.5.5.1 Extrusion Sorting Device (ESD)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.2 Make vacuum lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.3 Assemble and commission ESD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.6 Procure airbags for extrusion shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.1 Labor	BCWS	1,700	1,478	1,330	1,552	1,478	1,552	1,626	1,626	1,478	1,626	1,626
2.4.6.7.1.2 Travel	BCWS	151	131	118	137	131	137	144	144	131	144	144
2.4.6.7.2.1 Labor	BCWS	12,950	11,261	10,135	11,824	11,261	11,824	12,387	12,387	11,261	12,387	12,387
2.4.6.7.2.2 Travel	BCWS	1,234	1,073	966	1,127	1,073	1,127	1,181	1,181	1,073	1,181	1,181
2.5.1.1.1 Prepare fiber manifold final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.8 Fabricate production manifold components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.9 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.10 Prepare fiber manifold final design and specifications - su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.11 Study cracks and redesign manifold cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.1 Prepare end plate and seal final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.10 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.2 Prepare and issue bid packages for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.4.4.9 Ship samples for QA - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.12 Procure and set up tensile test machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.4.13 Fabricate impact tester	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.1 Finalize design for pallets and motion systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.1 Procure commercial pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.2 Procure pallet assembly hardware and tools	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.3 Obtain pallet bridges (extrusions) and assemble pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.2.4 Obtain additional pallet bridges (extrusions) and assemble p	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.1.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.1 Procure motion system components (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.3.2 Assemble pallet motion system (obsolete)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.1 Procure motion system components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.4.2 Assemble pallet motion system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.3.2 Prototype caster-jack system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.1 Storage - FY10 - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.2 Storage - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.4.3 Storage - FY13	BCWS	3,748	0	0	0	0	0	0	0	0	0	0
2.4.5.5.1 Extrusion Sorting Device (ESD)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.2 Make vacuum lifting fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.5.3 Assemble and commission ESD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.5.6 Procure airbags for extrusion shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.3.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.4.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.1.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.6.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.1 Labor	BCWS	1,404	0	0	0	0	0	0	0	0	0	0
2.4.6.7.1.2 Travel	BCWS	124	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.1 Labor	BCWS	10,698	0	0	0	0	0	0	0	0	0	0
2.4.6.7.2.2 Travel	BCWS	1,020	0	0	0	0	0	0	0	0	0	0
2.5.1.1.1 Prepare fiber manifold final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.8 Fabricate production manifold components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.9 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.10 Prepare fiber manifold final design and specifications - su	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.1.11 Study cracks and redesign manifold cover	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.1 Prepare end plate and seal final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.10 Evaluate samples from full production run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.2 Prepare and issue bid packages for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.4.4.9 Ship samples for QA - FY12	BCWS	0	0	13,622
2.4.4.12 Procure and set up tensile test machine	BCWS	0	0	51,161
2.4.4.13 Fabricate impact tester	BCWS	0	0	101,078
2.4.5.1 Finalize design for pallets and motion systems	BCWS	0	0	1,896
2.4.5.2.1 Procure commercial pallets	BCWS	0	0	44,533
2.4.5.2.2 Procure pallet assembly hardware and tools	BCWS	0	0	32,198
2.4.5.2.3 Obtain pallet bridges (extrusions) and assemble pallets	BCWS	0	0	152,991
2.4.5.2.4 Obtain additional pallet bridges (extrusions) and assemble p	BCWS	0	0	286,939
2.4.5.3.1.1 Procure motion system components	BCWS	0	0	93,823
2.4.5.3.1.2 Assemble pallet motion system	BCWS	0	0	2,908
2.4.5.3.3.1 Procure motion system components (obsolete)	BCWS	0	0	93,823
2.4.5.3.3.2 Assemble pallet motion system (obsolete)	BCWS	0	0	3,003
2.4.5.3.4.1 Procure motion system components	BCWS	0	0	93,823
2.4.5.3.4.2 Assemble pallet motion system	BCWS	0	0	3,035
2.4.5.3.2 Prototype caster-jack system	BCWS	0	0	49,419
2.4.5.4.1 Storage - FY10 - FY11	BCWS	0	0	47,218
2.4.5.4.2 Storage - FY12	BCWS	0	0	77,209
2.4.5.4.3 Storage - FY13	BCWS	0	0	49,319
2.4.5.5.1 Extrusion Sorting Device (ESD)	BCWS	0	0	22,953
2.4.5.5.2 Make vacuum lifting fixtures	BCWS	0	0	48,529
2.4.5.5.3 Assemble and commission ESD	BCWS	0	0	6,422
2.4.5.6 Procure airbags for extrusion shipping	BCWS	0	0	19,974
2.4.6.3.1.1 Labor	BCWS	0	0	10,417
2.4.6.3.1.2 Travel	BCWS	0	0	1,503
2.4.6.3.2.1 Labor	BCWS	0	0	55,326
2.4.6.3.2.2 Travel	BCWS	0	0	6,950
2.4.6.4.1.1 Labor	BCWS	0	0	16,054
2.4.6.4.1.2 Travel	BCWS	0	0	2,301
2.4.6.4.2.1 Labor	BCWS	0	0	86,749
2.4.6.4.2.2 Travel	BCWS	0	0	11,591
2.4.6.5.1.1 Labor	BCWS	0	0	16,824
2.4.6.5.1.2 Travel	BCWS	0	0	2,350
2.4.6.5.2.1 Labor	BCWS	0	0	128,160
2.4.6.5.2.2 Travel	BCWS	0	0	25,044
2.4.6.6.1.1 Labor	BCWS	0	0	17,632
2.4.6.6.1.2 Travel	BCWS	0	0	2,401
2.4.6.6.2.1 Labor	BCWS	0	0	201,468
2.4.6.6.2.2 Travel	BCWS	0	0	25,325
2.4.6.7.1.1 Labor	BCWS	0	0	18,478
2.4.6.7.1.2 Travel	BCWS	0	0	1,636
2.4.6.7.2.1 Labor	BCWS	0	0	140,762
2.4.6.7.2.2 Travel	BCWS	0	0	13,415
2.5.1.1.1 Prepare fiber manifold final design and specifications	BCWS	0	0	88,708
2.5.1.1.2 Prepare and issue bid package for fabrication	BCWS	0	0	2,964
2.5.1.1.3 Evaluate bids and choose fabricators	BCWS	0	0	2,975
2.5.1.1.4 Prepare purchase order	BCWS	0	0	2,975
2.5.1.1.6 Make molds and fabricate preproduction articles	BCWS	0	0	493,257
2.5.1.1.7 Evaluate preproduction articles	BCWS	0	0	2,975
2.5.1.1.8 Fabricate production manifold components	BCWS	0	0	606,577
2.5.1.1.9 Evaluate samples from full production run	BCWS	0	0	3,959
2.5.1.1.10 Prepare fiber manifold final design and specifications - su	BCWS	0	0	17,109
2.5.1.1.11 Study cracks and redesign manifold cover	BCWS	0	0	240,703
2.5.1.2.1 Prepare end plate and seal final design and specifications	BCWS	0	0	22,177
2.5.1.2.10 Evaluate samples from full production run	BCWS	0	0	1,881
2.5.1.2.2 Prepare and issue bid packages for fabrication	BCWS	0	0	1,482

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.5.1.2.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.4 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.6 Procure edge stiffeners	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.7 Make molds, dies and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.8 Evaluate preproduction plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.9 Fabricate production end plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.1 Prepare optical connector final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.3 Evaluate bids and choose fabricator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.8 Fabricate production optical connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.1 Fabricate and deliver extrusion lifter(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.10 Fabricate fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.11 Procure QA system hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.12 Review factory tooling, machines, and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.3 Fabricate and deliver tooling and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.4 Fabricate and deliver pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.5.1 Fabricate material handling and storage equipment for Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.1 Prepare and issue bid packages for gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.4 Purchase gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.7 Fabricate fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.8 Fabricate and deliver fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.1 Prepare and issue bid packages for floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.4 Purchase floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.13 Fabricate and deliver module flatness QA/QC device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.14 Fabricate and deliver additional pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.15 Fabricate and deliver additional tooling, fixtures, and saf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.16 Procure quality assurance system hardware - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.2 Fabricate extrusions for pressure test tank modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.1 Identify factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.2 Sign lease agreement for factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.1 Occupy factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.2 Occupy factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.3 Occupy factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.1 Operate factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.2 Operate factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.3 Operate factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.1 Install and setup fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.2 Install and setup pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.3 Install and setup fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.4 Install and setup fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.5 Install and setup gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.6 Install material handling and storage equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.7 Install and setup extrusion lifters	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.8 Install quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.9 Install floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.14 Train module factory technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.15 Train module factory student technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.16 Train module factory student technicians - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.5.1.2.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.4 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.6 Procure edge stiffeners	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.7 Make molds, dies and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.8 Evaluate preproduction plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.9 Fabricate production end plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.1 Prepare optical connector final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.3 Evaluate bids and choose fabricator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.8 Fabricate production optical connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.1 Fabricate and deliver extrusion lifter(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.10 Fabricate fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.11 Procure QA system hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.12 Review factory tooling, machines, and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.3 Fabricate and deliver tooling and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.4 Fabricate and deliver pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.5.1 Fabricate material handling and storage equipment for Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.1 Prepare and issue bid packages for gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.4 Purchase gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.7 Fabricate fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.8 Fabricate and deliver fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.1 Prepare and issue bid packages for floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.4 Purchase floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.13 Fabricate and deliver module flatness QA/QC device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.14 Fabricate and deliver additional pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.15 Fabricate and deliver additional tooling, fixtures, and saf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.16 Procure quality assurance system hardware - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.2 Fabricate extrusions for pressure test tank modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.1 Identify factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.2 Sign lease agreement for factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.1 Occupy factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.2 Occupy factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.3 Occupy factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.1 Operate factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.2 Operate factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.3 Operate factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.1 Install and setup fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.2 Install and setup pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.3 Install and setup fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.4 Install and setup fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.5 Install and setup gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.6 Install material handling and storage equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.7 Install and setup extrusion lifters	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.8 Install quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.9 Install floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.14 Train module factory technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.15 Train module factory student technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.16 Train module factory student technicians - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.5.1.2.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.4 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.6 Procure edge stiffeners	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.7 Make molds, dies and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.8 Evaluate preproduction plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.9 Fabricate production end plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.1 Prepare optical connector final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.3 Evaluate bids and choose fabricator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.8 Fabricate production optical connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.1 Fabricate and deliver extrusion lifter(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.10 Fabricate fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.11 Procure QA system hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.12 Review factory tooling, machines, and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.3 Fabricate and deliver tooling and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.4 Fabricate and deliver pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.5.1 Fabricate material handling and storage equipment for Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.1 Prepare and issue bid packages for gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.4 Purchase gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.7 Fabricate fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.8 Fabricate and deliver fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.1 Prepare and issue bid packages for floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.4 Purchase floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.13 Fabricate and deliver module flatness QA/QC device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.14 Fabricate and deliver additional pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.15 Fabricate and deliver additional tooling, fixtures, and saf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.16 Procure quality assurance system hardware - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.2 Fabricate extrusions for pressure test tank modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.1 Identify factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.2 Sign lease agreement for factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.1 Occupy factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.2 Occupy factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.3 Occupy factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.1 Operate factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.2 Operate factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.3 Operate factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.1 Install and setup fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.2 Install and setup pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.3 Install and setup fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.4 Install and setup fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.5 Install and setup gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.6 Install material handling and storage equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.7 Install and setup extrusion lifters	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.8 Install quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.9 Install floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.14 Train module factory technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.15 Train module factory student technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.16 Train module factory student technicians - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.5.1.2.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	1,190
2.5.1.2.4 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.6 Procure edge stiffeners	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.7 Make molds, dies and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.8 Evaluate preproduction plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.9 Fabricate production end plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.1 Prepare optical connector final design and specifications	BCWS	0	0	0	0	0	0	1,663	12,197	8,316	0	0
2.5.2.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	227	2,499	238
2.5.2.3 Evaluate bids and choose fabricator	BCWS	0	0	0	0	0	0	0	0	0	0	2,380
2.5.2.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.8 Fabricate production optical connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.1 Fabricate and deliver extrusion lifter(s)	BCWS	0	0	0	0	0	8,545	11,215	11,749	11,215	11,669	11,113
2.5.3.1.10 Fabricate fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	9,459
2.5.3.1.11 Procure QA system hardware	BCWS	0	0	0	0	0	4,559	31,913	33,433	13,677	0	0
2.5.3.1.12 Review factory tooling, machines, and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.3 Fabricate and deliver tooling and fixtures	BCWS	0	0	0	48,391	43,992	48,391	46,192	48,391	46,192	47,417	24,838
2.5.3.1.4 Fabricate and deliver pressure testing equipment	BCWS	0	0	0	0	0	33,846	44,423	46,539	44,423	46,416	44,206
2.5.3.1.5.1 Fabricate material handling and storage equipment for Bloc	BCWS	0	0	0	73,201	66,547	73,201	69,874	73,201	69,874	71,882	37,652
2.5.3.1.6.1 Prepare and issue bid packages for gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.4 Purchase gluing machines	BCWS	0	0	0	0	0	0	101,100	404,400	0	0	0
2.5.3.1.7 Fabricate fiber stringing machines	BCWS	0	0	0	0	0	2,861	5,006	5,244	5,006	5,239	4,990
2.5.3.1.8 Fabricate and deliver fiber checking machine	BCWS	0	0	0	0	0	6,624	6,323	6,624	6,323	6,576	6,263
2.5.3.1.9.1 Prepare and issue bid packages for floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.4 Purchase floor cranes	BCWS	0	0	0	0	0	0	17,573	70,293	0	0	0
2.5.3.1.13 Fabricate and deliver module flatness QA/QC device	BCWS	0	0	0	0	0	0	0	7,391	7,055	7,288	6,941
2.5.3.1.14 Fabricate and deliver additional pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.15 Fabricate and deliver additional tooling, fixtures, and saf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.16 Procure quality assurance system hardware - supplemental	BCWS	0	0	0	0	0	0	0	10,939	12,091	2,957	0
2.5.3.1.2 Fabricate extrusions for pressure test tank modules	BCWS	0	0	0	0	0	0	0	0	0	79,894	79,894
2.5.3.2.1.1 Identify factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.2 Sign lease agreement for factory space	BCWS	0	80,000	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.1 Occupy factory space - year 1	BCWS	0	0	0	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500
2.5.3.2.1.3.2 Occupy factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.3 Occupy factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.1 Operate factory space - year 1	BCWS	0	0	0	23,333	23,333	23,333	23,333	23,333	23,333	23,333	23,333
2.5.3.2.5.2 Operate factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.3 Operate factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.1 Install and setup fiber stringing machines	BCWS	0	0	0	0	0	0	53	581	554	588	560
2.5.3.2.6.2 Install and setup pressure testing equipment	BCWS	0	0	0	0	0	0	198	2,182	2,082	2,210	2,105
2.5.3.2.6.3 Install and setup fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.4 Install and setup fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.5 Install and setup gluing machines	BCWS	0	0	0	0	0	0	0	996	10,460	10,899	519
2.5.3.2.6.6 Install material handling and storage equipment	BCWS	0	0	0	0	0	0	0	0	0	0	426
2.5.3.2.6.7 Install and setup extrusion lifters	BCWS	0	0	0	0	0	0	0	0	614	4,501	214
2.5.3.2.6.8 Install quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	0	0	3,308
2.5.3.2.6.9 Install floor cranes	BCWS	0	0	0	0	0	0	0	951	8,561	0	0
2.5.3.2.6.14 Train module factory technicians	BCWS	0	0	0	15,855	14,414	15,855	15,134	15,855	15,134	0	0
2.5.3.2.6.15 Train module factory student technicians	BCWS	0	0	0	16,099	14,636	16,099	15,368	16,099	15,368	16,165	15,395
2.5.3.2.6.16 Train module factory student technicians - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.5.1.2.3 Evaluate bids and choose fabricators	BCWS	297	0	0	0	0	0	0	0	0	0	0
2.5.1.2.4 Prepare purchase orders	BCWS	1,409	78	0	0	0	0	0	0	0	0	0
2.5.1.2.6 Procure edge stiffeners	BCWS	0	2,436	2,706	2,977	0	0	0	0	0	0	0
2.5.1.2.7 Make molds, dies and fabricate preproduction articles	BCWS	0	25,007	27,786	31,954	19,450	0	0	0	0	0	0
2.5.1.2.8 Evaluate preproduction plates and seals	BCWS	0	0	0	0	1,041	446	0	0	0	0	0
2.5.1.2.9 Fabricate production end plates and seals	BCWS	0	0	0	0	0	241,809	94,037	0	0	0	0
2.5.2.1 Prepare optical connector final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.3 Evaluate bids and choose fabricator	BCWS	595	0	0	0	0	0	0	0	0	0	0
2.5.2.4 Prepare purchase order	BCWS	1,409	78	0	0	0	0	0	0	0	0	0
2.5.2.6 Make molds and fabricate preproduction articles	BCWS	0	22,287	24,763	27,240	0	0	0	0	0	0	0
2.5.2.7 Evaluate preproduction articles	BCWS	0	0	0	297	2,677	0	0	0	0	0	0
2.5.2.8 Fabricate production optical connectors	BCWS	0	0	0	0	6,268	10,969	6,268	0	0	0	0
2.5.3.1.1 Fabricate and deliver extrusion lifter(s)	BCWS	11,113	10,002	0	0	0	0	0	0	0	0	0
2.5.3.1.10 Fabricate fiber facing machines	BCWS	9,459	8,986	9,459	10,878	8,040	0	0	0	0	0	0
2.5.3.1.11 Procure QA system hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.12 Review factory tooling, machines, and fixtures	BCWS	0	0	0	0	0	4,462	0	0	0	0	0
2.5.3.1.3 Fabricate and deliver tooling and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.4 Fabricate and deliver pressure testing equipment	BCWS	44,206	39,785	0	0	0	0	0	0	0	0	0
2.5.3.1.5.1 Fabricate material handling and storage equipment for Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.1 Prepare and issue bid packages for gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.4 Purchase gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.7 Fabricate fiber stringing machines	BCWS	4,990	4,491	0	0	0	0	0	0	0	0	0
2.5.3.1.8 Fabricate and deliver fiber checking machine	BCWS	6,263	2,192	0	0	0	0	0	0	0	0	0
2.5.3.1.9.1 Prepare and issue bid packages for floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.4 Purchase floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.13 Fabricate and deliver module flatness QA/QC device	BCWS	5,553	0	0	0	0	0	0	0	0	0	0
2.5.3.1.14 Fabricate and deliver additional pressure testing equipment	BCWS	0	7,183	14,365	16,520	5,028	0	0	0	0	0	0
2.5.3.1.15 Fabricate and deliver additional tooling, fixtures, and saf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.16 Procure quality assurance system hardware - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.2 Fabricate extrusions for pressure test tank modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.1 Identify factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.2 Sign lease agreement for factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.1 Occupy factory space - year 1	BCWS	62,500	62,500	62,500	62,500	0	0	0	0	0	0	0
2.5.3.2.1.3.2 Occupy factory space - year 2	BCWS	0	0	0	0	64,167	64,167	64,167	64,167	64,167	64,167	64,167
2.5.3.2.1.3.3 Occupy factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.1 Operate factory space - year 1	BCWS	23,333	23,333	23,333	23,333	0	0	0	0	0	0	0
2.5.3.2.5.2 Operate factory space - year 2	BCWS	0	0	0	0	14,347	14,347	14,347	14,347	14,347	14,347	14,348
2.5.3.2.5.3 Operate factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.1 Install and setup fiber stringing machines	BCWS	560	504	0	0	0	0	0	0	0	0	0
2.5.3.2.6.2 Install and setup pressure testing equipment	BCWS	2,105	1,894	0	0	0	0	0	0	0	0	0
2.5.3.2.6.3 Install and setup fiber checking machine	BCWS	0	6,324	0	0	0	0	0	0	0	0	0
2.5.3.2.6.4 Install and setup fiber facing machines	BCWS	0	0	869	2,000	1,826	522	0	0	0	0	0
2.5.3.2.6.5 Install and setup gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.6 Install material handling and storage equipment	BCWS	946	709	0	0	0	0	0	0	0	0	0
2.5.3.2.6.7 Install and setup extrusion lifters	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.8 Install quality assurance tracking system	BCWS	3,308	3,143	3,308	1,654	0	0	0	0	0	0	0
2.5.3.2.6.9 Install floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.14 Train module factory technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.15 Train module factory student technicians	BCWS	15,395	14,625	15,395	17,704	16,165	16,165	16,935	15,395	17,704	16,165	16,870
2.5.3.2.6.16 Train module factory student technicians - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.5.1.2.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.4 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.6 Procure edge stiffeners	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.7 Make molds, dies and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.8 Evaluate preproduction plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.9 Fabricate production end plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.1 Prepare optical connector final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.3 Evaluate bids and choose fabricator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.8 Fabricate production optical connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.1 Fabricate and deliver extrusion lifter(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.10 Fabricate fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.11 Procure QA system hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.12 Review factory tooling, machines, and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.3 Fabricate and deliver tooling and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.4 Fabricate and deliver pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.5.1 Fabricate material handling and storage equipment for Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.1 Prepare and issue bid packages for gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.4 Purchase gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.7 Fabricate fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.8 Fabricate and deliver fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.1 Prepare and issue bid packages for floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.4 Purchase floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.13 Fabricate and deliver module flatness QA/QC device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.14 Fabricate and deliver additional pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.15 Fabricate and deliver additional tooling, fixtures, and saf	BCWS	0	0	7,386	7,755	8,125	7,755	8,125	7,755	7,755	8,494	7,017
2.5.3.1.16 Procure quality assurance system hardware - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.2 Fabricate extrusions for pressure test tank modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.1 Identify factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.2 Sign lease agreement for factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.1 Occupy factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.2 Occupy factory space - year 2	BCWS	64,167	64,167	64,167	64,167	64,167	0	0	0	0	0	0
2.5.3.2.1.3.3 Occupy factory space - year 3	BCWS	0	0	0	0	0	65,000	65,000	65,000	65,000	65,000	65,000
2.5.3.2.5.1 Operate factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.2 Operate factory space - year 2	BCWS	14,348	14,348	14,348	14,348	14,348	0	0	0	0	0	0
2.5.3.2.5.3 Operate factory space - year 3	BCWS	0	0	0	0	0	15,065	15,065	15,065	15,065	15,065	15,065
2.5.3.2.6.1 Install and setup fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.2 Install and setup pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.3 Install and setup fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.4 Install and setup fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.5 Install and setup gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.6 Install material handling and storage equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.7 Install and setup extrusion lifters	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.8 Install quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.9 Install floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.14 Train module factory technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.15 Train module factory student technicians	BCWS	16,066	15,263	16,066	16,870	17,673	16,870	17,673	16,870	16,870	18,476	15,263
2.5.3.2.6.16 Train module factory student technicians - additional	BCWS	0	0	0	14,461	16,744	15,983	16,744	15,983	15,983	17,505	14,461

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.5.1.2.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.4 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.6 Procure edge stiffeners	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.7 Make molds, dies and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.8 Evaluate preproduction plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.9 Fabricate production end plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.1 Prepare optical connector final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.3 Evaluate bids and choose fabricator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.8 Fabricate production optical connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.1 Fabricate and deliver extrusion lifter(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.10 Fabricate fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.11 Procure QA system hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.12 Review factory tooling, machines, and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.3 Fabricate and deliver tooling and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.4 Fabricate and deliver pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.5.1 Fabricate material handling and storage equipment for Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.1 Prepare and issue bid packages for gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.4 Purchase gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.7 Fabricate fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.8 Fabricate and deliver fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.1 Prepare and issue bid packages for floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.4 Purchase floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.13 Fabricate and deliver module flatness QA/QC device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.14 Fabricate and deliver additional pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.15 Fabricate and deliver additional tooling, fixtures, and saf	BCWS	8,695	7,561	6,805	7,939	7,561	7,183	0	0	0	0	0
2.5.3.1.16 Procure quality assurance system hardware - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.2 Fabricate extrusions for pressure test tank modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.1 Identify factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.2 Sign lease agreement for factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.1 Occupy factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.2 Occupy factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.3 Occupy factory space - year 3	BCWS	65,000	65,000	65,000	65,000	65,000	65,000	0	0	0	0	0
2.5.3.2.5.1 Operate factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.2 Operate factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.3 Operate factory space - year 3	BCWS	15,065	15,065	15,065	15,065	15,065	15,065	0	0	0	0	0
2.5.3.2.6.1 Install and setup fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.2 Install and setup pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.3 Install and setup fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.4 Install and setup fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.5 Install and setup gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.6 Install material handling and storage equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.7 Install and setup extrusion lifters	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.8 Install quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.9 Install floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.14 Train module factory technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.15 Train module factory student technicians	BCWS	19,359	16,834	15,151	17,676	0	0	0	0	0	0	0
2.5.3.2.6.16 Train module factory student technicians - additional	BCWS	18,342	15,950	14,355	16,747	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.5.1.2.3 Evaluate bids and choose fabricators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.4 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.6 Procure edge stiffeners	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.7 Make molds, dies and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.8 Evaluate preproduction plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.1.2.9 Fabricate production end plates and seals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.1 Prepare optical connector final design and specifications	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.2 Prepare and issue bid package for fabrication	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.3 Evaluate bids and choose fabricator	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.4 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.6 Make molds and fabricate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.7 Evaluate preproduction articles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.2.8 Fabricate production optical connectors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.1 Fabricate and deliver extrusion lifter(s)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.10 Fabricate fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.11 Procure QA system hardware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.12 Review factory tooling, machines, and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.3 Fabricate and deliver tooling and fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.4 Fabricate and deliver pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.5.1 Fabricate material handling and storage equipment for Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.1 Prepare and issue bid packages for gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.6.4 Purchase gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.7 Fabricate fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.8 Fabricate and deliver fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.1 Prepare and issue bid packages for floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.2 Evaluate bids and choose vendors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.3 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.9.4 Purchase floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.13 Fabricate and deliver module flatness QA/QC device	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.14 Fabricate and deliver additional pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.15 Fabricate and deliver additional tooling, fixtures, and saf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.16 Procure quality assurance system hardware - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.1.2 Fabricate extrusions for pressure test tank modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.1 Identify factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.2 Sign lease agreement for factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.1 Occupy factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.2 Occupy factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.1.3.3 Occupy factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.1 Operate factory space - year 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.2 Operate factory space - year 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.5.3 Operate factory space - year 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.1 Install and setup fiber stringing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.2 Install and setup pressure testing equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.3 Install and setup fiber checking machine	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.4 Install and setup fiber facing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.5 Install and setup gluing machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.6 Install material handling and storage equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.7 Install and setup extrusion lifters	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.8 Install quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.9 Install floor cranes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.14 Train module factory technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.15 Train module factory student technicians	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.6.16 Train module factory student technicians - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
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WP[20]		AUG14	SEP14	Cumulative
2.5.1.2.3 Evaluate bids and choose fabricators	BCWS	0	0	1,487
2.5.1.2.4 Prepare purchase orders	BCWS	0	0	1,487
2.5.1.2.6 Procure edge stiffeners	BCWS	0	0	8,119
2.5.1.2.7 Make molds, dies and fabricate preproduction articles	BCWS	0	0	104,197
2.5.1.2.8 Evaluate preproduction plates and seals	BCWS	0	0	1,487
2.5.1.2.9 Fabricate production end plates and seals	BCWS	0	0	335,846
2.5.2.1 Prepare optical connector final design and specifications	BCWS	0	0	22,177
2.5.2.2 Prepare and issue bid package for fabrication	BCWS	0	0	2,964
2.5.2.3 Evaluate bids and choose fabricator	BCWS	0	0	2,975
2.5.2.4 Prepare purchase order	BCWS	0	0	1,487
2.5.2.6 Make molds and fabricate preproduction articles	BCWS	0	0	74,290
2.5.2.7 Evaluate preproduction articles	BCWS	0	0	2,975
2.5.2.8 Fabricate production optical connectors	BCWS	0	0	23,505
2.5.3.1.1 Fabricate and deliver extrusion lifter(s)	BCWS	0	0	86,622
2.5.3.1.10 Fabricate fiber facing machines	BCWS	0	0	56,282
2.5.3.1.11 Procure QA system hardware	BCWS	0	0	83,582
2.5.3.1.12 Review factory tooling, machines, and fixtures	BCWS	0	0	4,462
2.5.3.1.3 Fabricate and deliver tooling and fixtures	BCWS	0	0	353,804
2.5.3.1.4 Fabricate and deliver pressure testing equipment	BCWS	0	0	343,845
2.5.3.1.5.1 Fabricate material handling and storage equipment for Bloc	BCWS	0	0	535,433
2.5.3.1.6.1 Prepare and issue bid packages for gluing machines	BCWS	0	0	0
2.5.3.1.6.2 Evaluate bids and choose vendors	BCWS	0	0	0
2.5.3.1.6.3 Prepare purchase orders	BCWS	0	0	0
2.5.3.1.6.4 Purchase gluing machines	BCWS	0	0	505,500
2.5.3.1.7 Fabricate fiber stringing machines	BCWS	0	0	37,825
2.5.3.1.8 Fabricate and deliver fiber checking machine	BCWS	0	0	47,189
2.5.3.1.9.1 Prepare and issue bid packages for floor cranes	BCWS	0	0	0
2.5.3.1.9.2 Evaluate bids and choose vendors	BCWS	0	0	0
2.5.3.1.9.3 Prepare purchase orders	BCWS	0	0	0
2.5.3.1.9.4 Purchase floor cranes	BCWS	0	0	87,866
2.5.3.1.13 Fabricate and deliver module flatness QA/QC device	BCWS	0	0	34,228
2.5.3.1.14 Fabricate and deliver additional pressure testing equipment	BCWS	0	0	43,096
2.5.3.1.15 Fabricate and deliver additional tooling, fixtures, and saf	BCWS	0	0	115,909
2.5.3.1.16 Procure quality assurance system hardware - supplemental	BCWS	0	0	25,987
2.5.3.1.2 Fabricate extrusions for pressure test tank modules	BCWS	0	0	159,787
2.5.3.2.1.1 Identify factory space	BCWS	0	0	0
2.5.3.2.1.2 Sign lease agreement for factory space	BCWS	0	0	80,000
2.5.3.2.1.3.1 Occupy factory space - year 1	BCWS	0	0	749,995
2.5.3.2.1.3.2 Occupy factory space - year 2	BCWS	0	0	770,007
2.5.3.2.1.3.3 Occupy factory space - year 3	BCWS	0	0	779,998
2.5.3.2.5.1 Operate factory space - year 1	BCWS	0	0	280,000
2.5.3.2.5.2 Operate factory space - year 2	BCWS	0	0	172,168
2.5.3.2.5.3 Operate factory space - year 3	BCWS	0	0	180,777
2.5.3.2.6.1 Install and setup fiber stringing machines	BCWS	0	0	3,400
2.5.3.2.6.2 Install and setup pressure testing equipment	BCWS	0	0	12,775
2.5.3.2.6.3 Install and setup fiber checking machine	BCWS	0	0	6,324
2.5.3.2.6.4 Install and setup fiber facing machines	BCWS	0	0	5,217
2.5.3.2.6.5 Install and setup gluing machines	BCWS	0	0	22,875
2.5.3.2.6.6 Install material handling and storage equipment	BCWS	0	0	2,080
2.5.3.2.6.7 Install and setup extrusion lifters	BCWS	0	0	5,329
2.5.3.2.6.8 Install quality assurance tracking system	BCWS	0	0	14,720
2.5.3.2.6.9 Install floor cranes	BCWS	0	0	9,512
2.5.3.2.6.14 Train module factory technicians	BCWS	0	0	92,248
2.5.3.2.6.15 Train module factory student technicians	BCWS	0	0	556,728
2.5.3.2.6.16 Train module factory student technicians - additional	BCWS	0	0	193,257

Program:	Description:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.5.3.2.7 Review factory setup and operation for full production readi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.8 Closeout factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.2 Factory Space Outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.1 Assemble and test far detector modules - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.1 Assemble and test far detector modules - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.7 Review construction of block 1 modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.1 Assemble and test far detector modules - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.1 Assemble and test far detector modules - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.3 Ship used pallet assemblies to extruder - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.1 Assemble and test far detector modules - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.1 Assemble and test far detector modules - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.1 Assemble and test far detector modules - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.1 Assemble and test far detector modules - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.3 Ship used pallet assemblies to extruder - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.1 Assemble and test far detector modules - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.1 Assemble and test far detector modules - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.1 Assemble and test far detector modules - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.1 Assemble and test far detector modules - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.3 Ship used pallet assemblies to extruder - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.1 Assemble and test far detector modules - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.1 Assemble and test far detector modules - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.1 Assemble and test far detector modules - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.1 Assemble and test far detector modules - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.3 Ship used pallet assemblies to extruder - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.1 Assemble and test far detector modules - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.1 Assemble and test far detector modules - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.1 Assemble and test far detector modules -- Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.1 Assemble and test far detector modules - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.3 Ship used pallet assemblies to extruder - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.1 Assemble and test far detector modules - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.1 Assemble and test far detector modules - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.1 Assemble and test far detector modules - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.5.3.2.7 Review factory setup and operation for full production readi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.8 Closeout factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.2 Factory Space Outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.1 Assemble and test far detector modules - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.1 Assemble and test far detector modules - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.7 Review construction of block 1 modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.1 Assemble and test far detector modules - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.1 Assemble and test far detector modules - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.3 Ship used pallet assemblies to extruder - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.1 Assemble and test far detector modules - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.1 Assemble and test far detector modules - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.1 Assemble and test far detector modules - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.1 Assemble and test far detector modules - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.3 Ship used pallet assemblies to extruder - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.1 Assemble and test far detector modules - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.1 Assemble and test far detector modules - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.1 Assemble and test far detector modules - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.1 Assemble and test far detector modules - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.3 Ship used pallet assemblies to extruder - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.1 Assemble and test far detector modules - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.1 Assemble and test far detector modules - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.1 Assemble and test far detector modules - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.1 Assemble and test far detector modules - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.3 Ship used pallet assemblies to extruder - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.1 Assemble and test far detector modules - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.1 Assemble and test far detector modules - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.1 Assemble and test far detector modules -- Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.1 Assemble and test far detector modules - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.3 Ship used pallet assemblies to extruder - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.1 Assemble and test far detector modules - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.1 Assemble and test far detector modules - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.1 Assemble and test far detector modules - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.5.3.2.7 Review factory setup and operation for full production readi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.8 Closeout factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.2 Factory Space Outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.1 Assemble and test far detector modules - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.1 Assemble and test far detector modules - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.7 Review construction of block 1 modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.1 Assemble and test far detector modules - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.1 Assemble and test far detector modules - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.3 Ship used pallet assemblies to extruder - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.1 Assemble and test far detector modules - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.1 Assemble and test far detector modules - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.1 Assemble and test far detector modules - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.1 Assemble and test far detector modules - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.3 Ship used pallet assemblies to extruder - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.1 Assemble and test far detector modules - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.1 Assemble and test far detector modules - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.1 Assemble and test far detector modules - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.1 Assemble and test far detector modules - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.3 Ship used pallet assemblies to extruder - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.1 Assemble and test far detector modules - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.1 Assemble and test far detector modules - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.1 Assemble and test far detector modules - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.1 Assemble and test far detector modules - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.3 Ship used pallet assemblies to extruder - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.1 Assemble and test far detector modules - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.1 Assemble and test far detector modules - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.1 Assemble and test far detector modules -- Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.1 Assemble and test far detector modules - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.3 Ship used pallet assemblies to extruder - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.1 Assemble and test far detector modules - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.1 Assemble and test far detector modules - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.1 Assemble and test far detector modules - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.5.3.2.7 Review factory setup and operation for full production readi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.8 Closeout factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.2 Factory Space Outfitting	BCWS	0	97,367	159,960	153,005	139,096	153,005	41,729	0	0	0	0
2.5.3.3.2.1.1.1 Assemble and test far detector modules - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.1 Assemble and test far detector modules - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.7 Review construction of block 1 modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.1 Assemble and test far detector modules - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.1 Assemble and test far detector modules - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.3 Ship used pallet assemblies to extruder - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.1 Assemble and test far detector modules - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.1 Assemble and test far detector modules - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.1 Assemble and test far detector modules - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.1 Assemble and test far detector modules - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.3 Ship used pallet assemblies to extruder - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.1 Assemble and test far detector modules - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.1 Assemble and test far detector modules - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.1 Assemble and test far detector modules - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.1 Assemble and test far detector modules - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.3 Ship used pallet assemblies to extruder - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.1 Assemble and test far detector modules - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.1 Assemble and test far detector modules - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.1 Assemble and test far detector modules - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.1 Assemble and test far detector modules - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.3 Ship used pallet assemblies to extruder - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.1 Assemble and test far detector modules - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.1 Assemble and test far detector modules - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.1 Assemble and test far detector modules -- Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.1 Assemble and test far detector modules - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.3 Ship used pallet assemblies to extruder - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.1 Assemble and test far detector modules - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.1 Assemble and test far detector modules - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.1 Assemble and test far detector modules - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.5.3.2.7 Review factory setup and operation for full production readi	BCWS	0	0	0	4,462	0	0	0	0	0	0	0
2.5.3.2.8 Closeout factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.2 Factory Space Outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.1 Assemble and test far detector modules - Block 1H	BCWS	0	0	0	0	68,140	89,106	0	0	0	0	0
2.5.3.3.2.1.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	197,392	76,763	0
2.5.3.3.2.1.2.1 Assemble and test far detector modules - Block 1V	BCWS	0	0	0	0	72,682	95,045	0	0	0	0	0
2.5.3.3.2.1.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	7,183	2,793	0
2.5.3.3.2.1.7 Review construction of block 1 modules	BCWS	0	0	0	0	0	3,570	892	0	0	0	0
2.5.3.3.2.10.1.1 Assemble and test far detector modules - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	10,827
2.5.3.3.2.10.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.1 Assemble and test far detector modules - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	11,548
2.5.3.3.2.10.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.3 Ship used pallet assemblies to extruder - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.1 Assemble and test far detector modules - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.1 Assemble and test far detector modules - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.1 Assemble and test far detector modules - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.1 Assemble and test far detector modules - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.3 Ship used pallet assemblies to extruder - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.1 Assemble and test far detector modules - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.1 Assemble and test far detector modules - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.1 Assemble and test far detector modules - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.1 Assemble and test far detector modules - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.3 Ship used pallet assemblies to extruder - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.1 Assemble and test far detector modules - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.1 Assemble and test far detector modules - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.1 Assemble and test far detector modules - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.1 Assemble and test far detector modules - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.3 Ship used pallet assemblies to extruder - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.1 Assemble and test far detector modules - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.1 Assemble and test far detector modules - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.1 Assemble and test far detector modules -- Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.1 Assemble and test far detector modules - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.3 Ship used pallet assemblies to extruder - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.1 Assemble and test far detector modules - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.1 Assemble and test far detector modules - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.1 Assemble and test far detector modules - Block 2H	BCWS	0	0	0	0	0	0	110,906	0	0	0	0
2.5.3.3.2.2.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	5,187	4,915

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.5.3.2.7 Review factory setup and operation for full production readi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.8 Closeout factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.2 Factory Space Outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.1 Assemble and test far detector modules - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.1 Assemble and test far detector modules - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.7 Review construction of block 1 modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.1 Assemble and test far detector modules - Block 10H	BCWS	59,548	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	5,746	3,592	0	0	0	0	0
2.5.3.3.2.10.2.1 Assemble and test far detector modules - Block 10V	BCWS	63,517	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	6,302	3,939	0	0	0	0	0
2.5.3.3.2.10.2.3 Ship used pallet assemblies to extruder - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	820	0
2.5.3.3.2.11.1.1 Assemble and test far detector modules - Block 11H	BCWS	48,721	21,654	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	9,338	0	0	0	0	0
2.5.3.3.2.11.2.1 Assemble and test far detector modules - Block 11V	BCWS	51,968	23,097	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	10,241	0	0	0	0	0
2.5.3.3.2.12.1.1 Assemble and test far detector modules - Block 12H	BCWS	0	75,065	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	2,363	7,877	0	0	0	0
2.5.3.3.2.12.2.1 Assemble and test far detector modules - Block 12V	BCWS	0	70,375	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	2,155	7,183	0	0	0	0
2.5.3.3.2.12.2.3 Ship used pallet assemblies to extruder - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	820
2.5.3.3.2.13.1.1 Assemble and test far detector modules - Block 13H	BCWS	0	10,827	59,548	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	8,620	718	0	0	0
2.5.3.3.2.13.2.1 Assemble and test far detector modules - Block 13V	BCWS	0	11,548	63,517	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	9,453	788	0	0	0
2.5.3.3.2.14.1.1 Assemble and test far detector modules - Block 14H	BCWS	0	0	51,968	23,097	0	0	0	0	0	0	0
2.5.3.3.2.14.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	10,241	0	0	0
2.5.3.3.2.14.2.1 Assemble and test far detector modules - Block 14V	BCWS	0	0	48,721	21,654	0	0	0	0	0	0	0
2.5.3.3.2.14.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	9,338	0	0	0
2.5.3.3.2.14.2.3 Ship used pallet assemblies to extruder - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.1 Assemble and test far detector modules - Block 15H	BCWS	0	0	0	70,375	0	0	0	0	0	0	0
2.5.3.3.2.15.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	5,028	4,310	0	0
2.5.3.3.2.15.2.1 Assemble and test far detector modules - Block 15V	BCWS	0	0	0	75,065	0	0	0	0	0	0	0
2.5.3.3.2.15.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	5,514	4,726	0	0
2.5.3.3.2.16.1.1 Assemble and test far detector modules - Block 16H	BCWS	0	0	0	21,654	48,721	0	0	0	0	0	0
2.5.3.3.2.16.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	9,338	0	0
2.5.3.3.2.16.2.1 Assemble and test far detector modules - Block 16V	BCWS	0	0	0	23,097	51,968	0	0	0	0	0	0
2.5.3.3.2.16.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	10,241	0	0
2.5.3.3.2.16.2.3 Ship used pallet assemblies to extruder - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.1 Assemble and test far detector modules - Block 17H	BCWS	0	0	0	0	75,065	0	0	0	0	0	0
2.5.3.3.2.17.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	1,575	8,665	0
2.5.3.3.2.17.2.1 Assemble and test far detector modules - Block 17V	BCWS	0	0	0	0	70,375	0	0	0	0	0	0
2.5.3.3.2.17.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	1,437	7,901	0
2.5.3.3.2.18.1.1 Assemble and test far detector modules -- Block 18H	BCWS	0	0	0	0	0	70,375	0	0	0	0	0
2.5.3.3.2.18.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	8,620	718
2.5.3.3.2.18.2.1 Assemble and test far detector modules - Block 18V	BCWS	0	0	0	0	0	75,065	0	0	0	0	0
2.5.3.3.2.18.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	9,453	788
2.5.3.3.2.18.2.3 Ship used pallet assemblies to extruder - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.1 Assemble and test far detector modules - Block 19H	BCWS	0	0	0	0	0	46,194	28,871	0	0	0	0
2.5.3.3.2.19.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	10,241
2.5.3.3.2.19.2.1 Assemble and test far detector modules - Block 19V	BCWS	0	0	0	0	0	43,308	27,067	0	0	0	0
2.5.3.3.2.19.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	9,338
2.5.3.3.2.2.1.1 Assemble and test far detector modules - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.5.3.2.7 Review factory setup and operation for full production readi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.8 Closeout factory space	BCWS	0	0	0	0	0	0	6,181	19,427	17,661	9,713	0
2.5.3.2.2 Factory Space Outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.1 Assemble and test far detector modules - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.1 Assemble and test far detector modules - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.7 Review construction of block 1 modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.1 Assemble and test far detector modules - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.1 Assemble and test far detector modules - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.3 Ship used pallet assemblies to extruder - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.1 Assemble and test far detector modules - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.1 Assemble and test far detector modules - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.1 Assemble and test far detector modules - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.1 Assemble and test far detector modules - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.3 Ship used pallet assemblies to extruder - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.1 Assemble and test far detector modules - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.1 Assemble and test far detector modules - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.1 Assemble and test far detector modules - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.1 Assemble and test far detector modules - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.3 Ship used pallet assemblies to extruder - Block 14V	BCWS	845	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.1 Assemble and test far detector modules - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.1 Assemble and test far detector modules - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.1 Assemble and test far detector modules - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.1 Assemble and test far detector modules - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.3 Ship used pallet assemblies to extruder - Block 16V	BCWS	0	845	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.1 Assemble and test far detector modules - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.1 Assemble and test far detector modules - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.1 Assemble and test far detector modules -- Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.1 Assemble and test far detector modules - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.3 Ship used pallet assemblies to extruder - Block 18V	BCWS	0	0	0	845	0	0	0	0	0	0	0
2.5.3.3.2.19.1.1 Assemble and test far detector modules - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.1 Assemble and test far detector modules - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.1 Assemble and test far detector modules - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.5.3.2.7 Review factory setup and operation for full production readi	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.8 Closeout factory space	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.2.2 Factory Space Outfitting	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.1 Assemble and test far detector modules - Block 1H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.1 Assemble and test far detector modules - Block 1V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.1.7 Review construction of block 1 modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.1 Assemble and test far detector modules - Block 10H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.1 Assemble and test far detector modules - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.10.2.3 Ship used pallet assemblies to extruder - Block 10V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.1 Assemble and test far detector modules - Block 11H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.1 Assemble and test far detector modules - Block 11V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.11.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.1 Assemble and test far detector modules - Block 12H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.1 Assemble and test far detector modules - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.12.2.3 Ship used pallet assemblies to extruder - Block 12V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.1 Assemble and test far detector modules - Block 13H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.1 Assemble and test far detector modules - Block 13V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.13.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.1 Assemble and test far detector modules - Block 14H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.1 Assemble and test far detector modules - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.14.2.3 Ship used pallet assemblies to extruder - Block 14V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.1 Assemble and test far detector modules - Block 15H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.1 Assemble and test far detector modules - Block 15V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.15.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.1 Assemble and test far detector modules - Block 16H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.1 Assemble and test far detector modules - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.16.2.3 Ship used pallet assemblies to extruder - Block 16V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.1 Assemble and test far detector modules - Block 17H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.1 Assemble and test far detector modules - Block 17V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.17.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.1 Assemble and test far detector modules -- Block 18H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.1 Assemble and test far detector modules - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.18.2.3 Ship used pallet assemblies to extruder - Block 18V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.1 Assemble and test far detector modules - Block 19H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.1 Assemble and test far detector modules - Block 19V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.19.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.1 Assemble and test far detector modules - Block 2H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.5.3.2.7 Review factory setup and operation for full production readi	BCWS	0	0	4,462
2.5.3.2.8 Closeout factory space	BCWS	0	0	52,982
2.5.3.2.2 Factory Space Outfitting	BCWS	0	0	744,163
2.5.3.3.2.1.1.1 Assemble and test far detector modules - Block 1H	BCWS	0	0	157,246
2.5.3.3.2.1.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	274,155
2.5.3.3.2.1.2.1 Assemble and test far detector modules - Block 1V	BCWS	0	0	167,727
2.5.3.3.2.1.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	9,976
2.5.3.3.2.1.7 Review construction of block 1 modules	BCWS	0	0	4,462
2.5.3.3.2.10.1.1 Assemble and test far detector modules - Block 10H	BCWS	0	0	70,375
2.5.3.3.2.10.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,338
2.5.3.3.2.10.2.1 Assemble and test far detector modules - Block 10V	BCWS	0	0	75,065
2.5.3.3.2.10.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,241
2.5.3.3.2.10.2.3 Ship used pallet assemblies to extruder - Block 10V	BCWS	0	0	820
2.5.3.3.2.11.1.1 Assemble and test far detector modules - Block 11H	BCWS	0	0	70,375
2.5.3.3.2.11.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,338
2.5.3.3.2.11.2.1 Assemble and test far detector modules - Block 11V	BCWS	0	0	75,065
2.5.3.3.2.11.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,241
2.5.3.3.2.12.1.1 Assemble and test far detector modules - Block 12H	BCWS	0	0	75,065
2.5.3.3.2.12.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,241
2.5.3.3.2.12.2.1 Assemble and test far detector modules - Block 12V	BCWS	0	0	70,375
2.5.3.3.2.12.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,338
2.5.3.3.2.12.2.3 Ship used pallet assemblies to extruder - Block 12V	BCWS	0	0	820
2.5.3.3.2.13.1.1 Assemble and test far detector modules - Block 13H	BCWS	0	0	70,375
2.5.3.3.2.13.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,338
2.5.3.3.2.13.2.1 Assemble and test far detector modules - Block 13V	BCWS	0	0	75,065
2.5.3.3.2.13.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,241
2.5.3.3.2.14.1.1 Assemble and test far detector modules - Block 14H	BCWS	0	0	75,065
2.5.3.3.2.14.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,241
2.5.3.3.2.14.2.1 Assemble and test far detector modules - Block 14V	BCWS	0	0	70,375
2.5.3.3.2.14.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,338
2.5.3.3.2.14.2.3 Ship used pallet assemblies to extruder - Block 14V	BCWS	0	0	845
2.5.3.3.2.15.1.1 Assemble and test far detector modules - Block 15H	BCWS	0	0	70,375
2.5.3.3.2.15.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,338
2.5.3.3.2.15.2.1 Assemble and test far detector modules - Block 15V	BCWS	0	0	75,065
2.5.3.3.2.15.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,241
2.5.3.3.2.16.1.1 Assemble and test far detector modules - Block 16H	BCWS	0	0	70,375
2.5.3.3.2.16.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,338
2.5.3.3.2.16.2.1 Assemble and test far detector modules - Block 16V	BCWS	0	0	75,065
2.5.3.3.2.16.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,241
2.5.3.3.2.16.2.3 Ship used pallet assemblies to extruder - Block 16V	BCWS	0	0	845
2.5.3.3.2.17.1.1 Assemble and test far detector modules - Block 17H	BCWS	0	0	75,065
2.5.3.3.2.17.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,241
2.5.3.3.2.17.2.1 Assemble and test far detector modules - Block 17V	BCWS	0	0	70,375
2.5.3.3.2.17.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,338
2.5.3.3.2.18.1.1 Assemble and test far detector modules -- Block 18H	BCWS	0	0	70,375
2.5.3.3.2.18.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,338
2.5.3.3.2.18.2.1 Assemble and test far detector modules - Block 18V	BCWS	0	0	75,065
2.5.3.3.2.18.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,241
2.5.3.3.2.18.2.3 Ship used pallet assemblies to extruder - Block 18V	BCWS	0	0	845
2.5.3.3.2.19.1.1 Assemble and test far detector modules - Block 19H	BCWS	0	0	75,065
2.5.3.3.2.19.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,241
2.5.3.3.2.19.2.1 Assemble and test far detector modules - Block 19V	BCWS	0	0	70,375
2.5.3.3.2.19.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,338
2.5.3.3.2.2.1.1 Assemble and test far detector modules - Block 2H	BCWS	0	0	110,906
2.5.3.3.2.2.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	10,103

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.5.3.3.2.2.2.1 Assemble and test far detector modules - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.3 Ship used pallet assemblies to extruder - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.1 Assemble and test far detector modules - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.1 Assemble and test far detector modules - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.3 Ship used pallet assemblies to extruder - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.1 Assemble and test far detector modules - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.1 Assemble and test far detector modules - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.1 Assemble and test far detector modules - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.1 Assemble and test far detector modules - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.3 Ship used pallet assemblies to extruder - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.1 Assemble and test far detector modules - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.1 Assemble and test far detector modules - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.1 Assemble and test far detector modules - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.1 Assemble and test far detector modules - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.3 Ship used pallet assemblies to extruder - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.1 Assemble and test far detector modules - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.1 Assemble and test far detector modules - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.1 Assemble and test far detector modules - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.1 Assemble and test far detector modules - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.3 Ship used pallet assemblies to extruder - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.1 Assemble and test far detector modules - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.1 Assemble and test far detector modules - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.1 Assemble and test far detector modules - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.1 Assemble and test far detector modules - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.3 Ship used pallet assemblies to extruder - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.1 Assemble and test far detector modules - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.1 Assemble and test far detector modules - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.1 Assemble and test far detector modules - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.1 Assemble and test far detector modules - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.1 Assemble and test far detector modules - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.1 Assemble and test far detector modules - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.5.3.3.2.2.2.1 Assemble and test far detector modules - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.3 Ship used pallet assemblies to extruder - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.1 Assemble and test far detector modules - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.1 Assemble and test far detector modules - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.3 Ship used pallet assemblies to extruder - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.1 Assemble and test far detector modules - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.1 Assemble and test far detector modules - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.1 Assemble and test far detector modules - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.1 Assemble and test far detector modules - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.3 Ship used pallet assemblies to extruder - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.1 Assemble and test far detector modules - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.1 Assemble and test far detector modules - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.1 Assemble and test far detector modules - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.1 Assemble and test far detector modules - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.3 Ship used pallet assemblies to extruder - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.1 Assemble and test far detector modules - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.1 Assemble and test far detector modules - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.1 Assemble and test far detector modules - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.1 Assemble and test far detector modules - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.3 Ship used pallet assemblies to extruder - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.1 Assemble and test far detector modules - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.1 Assemble and test far detector modules - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.1 Assemble and test far detector modules - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.1 Assemble and test far detector modules - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.3 Ship used pallet assemblies to extruder - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.1 Assemble and test far detector modules - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.1 Assemble and test far detector modules - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.1 Assemble and test far detector modules - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.1 Assemble and test far detector modules - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.1 Assemble and test far detector modules - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.1 Assemble and test far detector modules - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.5.3.3.2.2.2.1 Assemble and test far detector modules - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.3 Ship used pallet assemblies to extruder - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.1 Assemble and test far detector modules - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.1 Assemble and test far detector modules - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.3 Ship used pallet assemblies to extruder - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.1 Assemble and test far detector modules - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.1 Assemble and test far detector modules - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.1 Assemble and test far detector modules - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.1 Assemble and test far detector modules - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.3 Ship used pallet assemblies to extruder - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.1 Assemble and test far detector modules - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.1 Assemble and test far detector modules - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.1 Assemble and test far detector modules - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.1 Assemble and test far detector modules - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.3 Ship used pallet assemblies to extruder - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.1 Assemble and test far detector modules - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.1 Assemble and test far detector modules - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.1 Assemble and test far detector modules - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.1 Assemble and test far detector modules - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.3 Ship used pallet assemblies to extruder - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.1 Assemble and test far detector modules - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.1 Assemble and test far detector modules - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.1 Assemble and test far detector modules - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.1 Assemble and test far detector modules - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.3 Ship used pallet assemblies to extruder - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.1 Assemble and test far detector modules - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.1 Assemble and test far detector modules - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.1 Assemble and test far detector modules - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.1 Assemble and test far detector modules - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.1 Assemble and test far detector modules - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.1 Assemble and test far detector modules - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.5.3.3.2.2.2.1 Assemble and test far detector modules - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.3 Ship used pallet assemblies to extruder - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.1 Assemble and test far detector modules - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.1 Assemble and test far detector modules - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.3 Ship used pallet assemblies to extruder - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.1 Assemble and test far detector modules - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.1 Assemble and test far detector modules - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.1 Assemble and test far detector modules - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.1 Assemble and test far detector modules - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.3 Ship used pallet assemblies to extruder - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.1 Assemble and test far detector modules - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.1 Assemble and test far detector modules - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.1 Assemble and test far detector modules - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.1 Assemble and test far detector modules - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.3 Ship used pallet assemblies to extruder - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.1 Assemble and test far detector modules - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.1 Assemble and test far detector modules - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.1 Assemble and test far detector modules - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.1 Assemble and test far detector modules - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.3 Ship used pallet assemblies to extruder - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.1 Assemble and test far detector modules - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.1 Assemble and test far detector modules - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.1 Assemble and test far detector modules - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.1 Assemble and test far detector modules - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.3 Ship used pallet assemblies to extruder - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.1 Assemble and test far detector modules - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.1 Assemble and test far detector modules - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.1 Assemble and test far detector modules - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.1 Assemble and test far detector modules - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.1 Assemble and test far detector modules - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.1 Assemble and test far detector modules - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.5.3.3.2.2.2.1 Assemble and test far detector modules - Block 2V	BCWS	0	0	0	0	0	0	103,918	0	0	0	0
2.5.3.3.2.2.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	4,863	4,608
2.5.3.3.2.2.2.3 Ship used pallet assemblies to extruder - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.1 Assemble and test far detector modules - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.1 Assemble and test far detector modules - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.3 Ship used pallet assemblies to extruder - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.1 Assemble and test far detector modules - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.1 Assemble and test far detector modules - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.1 Assemble and test far detector modules - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.1 Assemble and test far detector modules - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.3 Ship used pallet assemblies to extruder - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.1 Assemble and test far detector modules - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.1 Assemble and test far detector modules - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.1 Assemble and test far detector modules - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.1 Assemble and test far detector modules - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.3 Ship used pallet assemblies to extruder - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.1 Assemble and test far detector modules - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.1 Assemble and test far detector modules - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.1 Assemble and test far detector modules - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.1 Assemble and test far detector modules - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.3 Ship used pallet assemblies to extruder - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.1 Assemble and test far detector modules - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.1 Assemble and test far detector modules - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.1 Assemble and test far detector modules - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.1 Assemble and test far detector modules - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.3 Ship used pallet assemblies to extruder - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.1 Assemble and test far detector modules - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.1 Assemble and test far detector modules - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.1 Assemble and test far detector modules - Block 3H	BCWS	0	0	0	0	0	0	48,339	30,212	0	0	0
2.5.3.3.2.3.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	6,657
2.5.3.3.2.3.2.1 Assemble and test far detector modules - Block 3V	BCWS	0	0	0	0	0	0	51,554	32,222	0	0	0
2.5.3.3.2.3.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	3,687
2.5.3.3.2.30.1.1 Assemble and test far detector modules - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.1 Assemble and test far detector modules - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.5.3.3.2.2.2.1 Assemble and test far detector modules - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.3 Ship used pallet assemblies to extruder - Block 2V	BCWS	0	0	0	820	0	0	0	0	0	0	0
2.5.3.3.2.20.1.1 Assemble and test far detector modules - Block 20H	BCWS	0	0	0	0	0	0	70,375	0	0	0	0
2.5.3.3.2.20.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	3,592
2.5.3.3.2.20.2.1 Assemble and test far detector modules - Block 20V	BCWS	0	0	0	0	0	0	75,065	0	0	0	0
2.5.3.3.2.20.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	3,939
2.5.3.3.2.20.2.3 Ship used pallet assemblies to extruder - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.1 Assemble and test far detector modules - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	48,721	21,654
2.5.3.3.2.21.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.1 Assemble and test far detector modules - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	51,968	23,097
2.5.3.3.2.21.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.1 Assemble and test far detector modules - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	75,065
2.5.3.3.2.22.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.1 Assemble and test far detector modules - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	70,375
2.5.3.3.2.22.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.3 Ship used pallet assemblies to extruder - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.1 Assemble and test far detector modules - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	10,827
2.5.3.3.2.23.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.1 Assemble and test far detector modules - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	11,548
2.5.3.3.2.23.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.1 Assemble and test far detector modules - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.1 Assemble and test far detector modules - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.3 Ship used pallet assemblies to extruder - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.1 Assemble and test far detector modules - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.1 Assemble and test far detector modules - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.1 Assemble and test far detector modules - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.1 Assemble and test far detector modules - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.3 Ship used pallet assemblies to extruder - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.1 Assemble and test far detector modules - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.1 Assemble and test far detector modules - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.1 Assemble and test far detector modules - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.1 Assemble and test far detector modules - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.3 Ship used pallet assemblies to extruder - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.1 Assemble and test far detector modules - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.1 Assemble and test far detector modules - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.1 Assemble and test far detector modules - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.2 Ship completed far detector modules to far site - Bloc	BCWS	11,835	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.1 Assemble and test far detector modules - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.2 Ship completed far detector modules to far site - Bloc	BCWS	6,554	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.1 Assemble and test far detector modules - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.1 Assemble and test far detector modules - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.5.3.3.2.2.2.1 Assemble and test far detector modules - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.3 Ship used pallet assemblies to extruder - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.1 Assemble and test far detector modules - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.2 Ship completed far detector modules to far site - Blo	BCWS	5,896	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.1 Assemble and test far detector modules - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.2 Ship completed far detector modules to far site - Blo	BCWS	6,470	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.3 Ship used pallet assemblies to extruder - Block 20V	BCWS	0	0	0	0	845	0	0	0	0	0	0
2.5.3.3.2.21.1.1 Assemble and test far detector modules - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.2 Ship completed far detector modules to far site - Blo	BCWS	9,582	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.1 Assemble and test far detector modules - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.2 Ship completed far detector modules to far site - Blo	BCWS	10,514	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.1 Assemble and test far detector modules - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.2 Ship completed far detector modules to far site - Blo	BCWS	1,618	8,896	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.1 Assemble and test far detector modules - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.2 Ship completed far detector modules to far site - Blo	BCWS	1,474	8,108	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.3 Ship used pallet assemblies to extruder - Block 22V	BCWS	0	0	0	0	0	845	0	0	0	0	0
2.5.3.3.2.23.1.1 Assemble and test far detector modules - Block 23H	BCWS	62,139	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	6,633	2,948	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.1 Assemble and test far detector modules - Block 23V	BCWS	66,281	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	7,279	3,235	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.1 Assemble and test far detector modules - Block 24H	BCWS	72,306	6,026	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.1 Assemble and test far detector modules - Block 24V	BCWS	67,789	5,649	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.3 Ship used pallet assemblies to extruder - Block 24V	BCWS	0	0	0	0	0	0	845	0	0	0	0
2.5.3.3.2.25.1.1 Assemble and test far detector modules - Block 25H	BCWS	0	73,438	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	737	8,845	0	0	0	0	0	0	0
2.5.3.3.2.25.2.1 Assemble and test far detector modules - Block 25V	BCWS	0	78,332	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	809	9,705	0	0	0	0	0	0	0
2.5.3.3.2.26.1.1 Assemble and test far detector modules - Block 26H	BCWS	0	0	28,245	45,192	0	0	0	0	0	0	0
2.5.3.3.2.26.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	6,633	2,948	0	0	0	0	0	0
2.5.3.3.2.26.2.1 Assemble and test far detector modules - Block 26V	BCWS	0	0	30,128	48,204	0	0	0	0	0	0	0
2.5.3.3.2.26.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	7,279	3,235	0	0	0	0	0	0
2.5.3.3.2.26.2.3 Ship used pallet assemblies to extruder - Block 26V	BCWS	0	0	0	0	0	0	0	0	845	0	0
2.5.3.3.2.27.1.1 Assemble and test far detector modules - Block 27H	BCWS	0	0	0	78,332	0	0	0	0	0	0	0
2.5.3.3.2.27.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	10,514	0	0	0	0	0	0
2.5.3.3.2.27.2.1 Assemble and test far detector modules - Block 27V	BCWS	0	0	0	73,438	0	0	0	0	0	0	0
2.5.3.3.2.27.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	9,582	0	0	0	0	0	0
2.5.3.3.2.28.1.1 Assemble and test far detector modules - Block 28H	BCWS	0	0	0	0	73,438	0	0	0	0	0	0
2.5.3.3.2.28.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	2,211	7,370	0	0	0	0	0
2.5.3.3.2.28.2.1 Assemble and test far detector modules - Block 28V	BCWS	0	0	0	0	78,332	0	0	0	0	0	0
2.5.3.3.2.28.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	2,426	8,088	0	0	0	0	0
2.5.3.3.2.28.2.3 Ship used pallet assemblies to extruder - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	845	0
2.5.3.3.2.29.1.1 Assemble and test far detector modules - Block 29H	BCWS	0	0	0	0	42,179	36,153	0	0	0	0	0
2.5.3.3.2.29.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	8,896	1,618	0	0	0	0
2.5.3.3.2.29.2.1 Assemble and test far detector modules - Block 29V	BCWS	0	0	0	0	39,543	33,894	0	0	0	0	0
2.5.3.3.2.29.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	8,108	1,474	0	0	0	0
2.5.3.3.2.3.1.1 Assemble and test far detector modules - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.1 Assemble and test far detector modules - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.1 Assemble and test far detector modules - Block 30H	BCWS	0	0	0	0	0	73,438	0	0	0	0	0
2.5.3.3.2.30.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	9,582	0	0	0	0
2.5.3.3.2.30.2.1 Assemble and test far detector modules - Block 30V	BCWS	0	0	0	0	0	78,332	0	0	0	0	0

Program:	Description:
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.5.3.3.2.2.2.1 Assemble and test far detector modules - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.2.2.3 Ship used pallet assemblies to extruder - Block 2V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.1 Assemble and test far detector modules - Block 20H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.1 Assemble and test far detector modules - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.20.2.3 Ship used pallet assemblies to extruder - Block 20V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.1 Assemble and test far detector modules - Block 21H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.1 Assemble and test far detector modules - Block 21V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.21.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.1 Assemble and test far detector modules - Block 22H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.1 Assemble and test far detector modules - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.22.2.3 Ship used pallet assemblies to extruder - Block 22V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.1 Assemble and test far detector modules - Block 23H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.1 Assemble and test far detector modules - Block 23V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.23.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.1 Assemble and test far detector modules - Block 24H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.1 Assemble and test far detector modules - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.24.2.3 Ship used pallet assemblies to extruder - Block 24V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.1 Assemble and test far detector modules - Block 25H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.1 Assemble and test far detector modules - Block 25V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.25.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.1 Assemble and test far detector modules - Block 26H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.1 Assemble and test far detector modules - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.26.2.3 Ship used pallet assemblies to extruder - Block 26V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.1 Assemble and test far detector modules - Block 27H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.1 Assemble and test far detector modules - Block 27V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.27.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.1 Assemble and test far detector modules - Block 28H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.1 Assemble and test far detector modules - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.28.2.3 Ship used pallet assemblies to extruder - Block 28V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.1 Assemble and test far detector modules - Block 29H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.1 Assemble and test far detector modules - Block 29V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.29.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.1 Assemble and test far detector modules - Block 3H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.1 Assemble and test far detector modules - Block 3V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.3.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.1 Assemble and test far detector modules - Block 30H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.1 Assemble and test far detector modules - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.5.3.3.2.2.2.1 Assemble and test far detector modules - Block 2V	BCWS	0	0	103,918
2.5.3.3.2.2.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	9,471
2.5.3.3.2.2.2.3 Ship used pallet assemblies to extruder - Block 2V	BCWS	0	0	820
2.5.3.3.2.20.1.1 Assemble and test far detector modules - Block 20H	BCWS	0	0	70,375
2.5.3.3.2.20.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,488
2.5.3.3.2.20.2.1 Assemble and test far detector modules - Block 20V	BCWS	0	0	75,065
2.5.3.3.2.20.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,409
2.5.3.3.2.20.2.3 Ship used pallet assemblies to extruder - Block 20V	BCWS	0	0	845
2.5.3.3.2.21.1.1 Assemble and test far detector modules - Block 21H	BCWS	0	0	70,375
2.5.3.3.2.21.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582
2.5.3.3.2.21.2.1 Assemble and test far detector modules - Block 21V	BCWS	0	0	75,065
2.5.3.3.2.21.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514
2.5.3.3.2.22.1.1 Assemble and test far detector modules - Block 22H	BCWS	0	0	75,065
2.5.3.3.2.22.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514
2.5.3.3.2.22.2.1 Assemble and test far detector modules - Block 22V	BCWS	0	0	70,375
2.5.3.3.2.22.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582
2.5.3.3.2.22.2.3 Ship used pallet assemblies to extruder - Block 22V	BCWS	0	0	845
2.5.3.3.2.23.1.1 Assemble and test far detector modules - Block 23H	BCWS	0	0	72,966
2.5.3.3.2.23.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582
2.5.3.3.2.23.2.1 Assemble and test far detector modules - Block 23V	BCWS	0	0	77,829
2.5.3.3.2.23.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514
2.5.3.3.2.24.1.1 Assemble and test far detector modules - Block 24H	BCWS	0	0	78,332
2.5.3.3.2.24.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514
2.5.3.3.2.24.2.1 Assemble and test far detector modules - Block 24V	BCWS	0	0	73,438
2.5.3.3.2.24.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582
2.5.3.3.2.24.2.3 Ship used pallet assemblies to extruder - Block 24V	BCWS	0	0	845
2.5.3.3.2.25.1.1 Assemble and test far detector modules - Block 25H	BCWS	0	0	73,438
2.5.3.3.2.25.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582
2.5.3.3.2.25.2.1 Assemble and test far detector modules - Block 25V	BCWS	0	0	78,332
2.5.3.3.2.25.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514
2.5.3.3.2.26.1.1 Assemble and test far detector modules - Block 26H	BCWS	0	0	73,438
2.5.3.3.2.26.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582
2.5.3.3.2.26.2.1 Assemble and test far detector modules - Block 26V	BCWS	0	0	78,332
2.5.3.3.2.26.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514
2.5.3.3.2.26.2.3 Ship used pallet assemblies to extruder - Block 26V	BCWS	0	0	845
2.5.3.3.2.27.1.1 Assemble and test far detector modules - Block 27H	BCWS	0	0	78,332
2.5.3.3.2.27.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514
2.5.3.3.2.27.2.1 Assemble and test far detector modules - Block 27V	BCWS	0	0	73,438
2.5.3.3.2.27.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582
2.5.3.3.2.28.1.1 Assemble and test far detector modules - Block 28H	BCWS	0	0	73,438
2.5.3.3.2.28.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582
2.5.3.3.2.28.2.1 Assemble and test far detector modules - Block 28V	BCWS	0	0	78,332
2.5.3.3.2.28.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514
2.5.3.3.2.28.2.3 Ship used pallet assemblies to extruder - Block 28V	BCWS	0	0	845
2.5.3.3.2.29.1.1 Assemble and test far detector modules - Block 29H	BCWS	0	0	78,332
2.5.3.3.2.29.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514
2.5.3.3.2.29.2.1 Assemble and test far detector modules - Block 29V	BCWS	0	0	73,438
2.5.3.3.2.29.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582
2.5.3.3.2.3.1.1 Assemble and test far detector modules - Block 3H	BCWS	0	0	78,550
2.5.3.3.2.3.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	18,492
2.5.3.3.2.3.2.1 Assemble and test far detector modules - Block 3V	BCWS	0	0	83,776
2.5.3.3.2.3.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	10,241
2.5.3.3.2.30.1.1 Assemble and test far detector modules - Block 30H	BCWS	0	0	73,438
2.5.3.3.2.30.1.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	9,582
2.5.3.3.2.30.2.1 Assemble and test far detector modules - Block 30V	BCWS	0	0	78,332

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.5.3.3.2.30.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.3 Ship used pallet assemblies to extruder - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.1 Assemble and test far detector modules - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.1 Assemble and test far detector modules - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.3 Ship used pallet assemblies to extruder - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.1 Assemble and test far detector modules - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.1 Assemble and test far detector modules - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.1 Assemble and test far detector modules - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.1 Assemble and test far detector modules - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.3 Ship used pallet assemblies to extruder - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.1 Assemble and test far detector modules - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.1 Assemble and test far detector modules - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.1 Assemble and test far detector modules - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.1 Assemble and test far detector modules - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.3 Ship used pallet assemblies to extruder - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.1 Assemble and test far detector modules - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.1 Assemble and test far detector modules - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.3 Assemble and test near detector modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.5 Ship completed near detector modules to ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.4 Maintain module quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.5 Materials strength and chemical interactions QA testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.6 Procure airbags for module shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.5 Additional Travel-module QC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.1 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.3 Manufacture parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.3 Manufacture TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.3 Assemble and test APD housings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.1 Manufacture and deliver APDs - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.10 Manufacture and deliver APDs - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.11 Manufacture and deliver APDs - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.12 Manufacture and deliver APDs - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.13 Manufacture and deliver APDs - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.14 Manufacture and deliver APDs - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.5.3.3.2.30.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.3 Ship used pallet assemblies to extruder - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.1 Assemble and test far detector modules - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.1 Assemble and test far detector modules - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.3 Ship used pallet assemblies to extruder - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.1 Assemble and test far detector modules - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.1 Assemble and test far detector modules - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.1 Assemble and test far detector modules - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.1 Assemble and test far detector modules - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.3 Ship used pallet assemblies to extruder - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.1 Assemble and test far detector modules - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.1 Assemble and test far detector modules - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.1 Assemble and test far detector modules - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.1 Assemble and test far detector modules - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.3 Ship used pallet assemblies to extruder - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.1 Assemble and test far detector modules - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.1 Assemble and test far detector modules - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.3 Assemble and test near detector modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.5 Ship completed near detector modules to ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.4 Maintain module quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.5 Materials strength and chemical interactions QA testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.6 Procure airbags for module shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	13,474	10,545	11,717	11,717
2.5.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	432	338	376	376
2.5.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.5 Additional Travel-module QC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.1 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.3 Manufacture parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.3 Manufacture TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.3 Assemble and test APD housings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.1 Manufacture and deliver APDs - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.10 Manufacture and deliver APDs - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.11 Manufacture and deliver APDs - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.12 Manufacture and deliver APDs - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.13 Manufacture and deliver APDs - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.14 Manufacture and deliver APDs - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.5.3.3.2.30.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.3 Ship used pallet assemblies to extruder - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.1 Assemble and test far detector modules - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.1 Assemble and test far detector modules - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.3 Ship used pallet assemblies to extruder - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.1 Assemble and test far detector modules - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.1 Assemble and test far detector modules - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.1 Assemble and test far detector modules - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.1 Assemble and test far detector modules - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.3 Ship used pallet assemblies to extruder - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.1 Assemble and test far detector modules - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.1 Assemble and test far detector modules - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.1 Assemble and test far detector modules - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.1 Assemble and test far detector modules - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.3 Ship used pallet assemblies to extruder - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.1 Assemble and test far detector modules - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.1 Assemble and test far detector modules - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.3 Assemble and test near detector modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.5 Ship completed near detector modules to ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.4 Maintain module quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.5 Materials strength and chemical interactions QA testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.6 Procure airbags for module shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.1 Labor	BCWS	11,717	12,889	12,889	11,717	15,466	15,466	14,763	14,060	0	0	0
2.5.4.3.2 Travel	BCWS	376	413	413	376	413	413	394	376	0	0	0
2.5.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	31,810	27,472	28,918
2.5.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	422	364	384
2.5.4.4.5 Additional Travel-module QC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.1 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.3 Manufacture parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.3 Manufacture TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.3 Assemble and test APD housings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.1 Manufacture and deliver APDs - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.10 Manufacture and deliver APDs - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.11 Manufacture and deliver APDs - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.12 Manufacture and deliver APDs - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.13 Manufacture and deliver APDs - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.14 Manufacture and deliver APDs - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.5.3.3.2.30.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.3 Ship used pallet assemblies to extruder - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.1 Assemble and test far detector modules - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.1 Assemble and test far detector modules - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.3 Ship used pallet assemblies to extruder - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.1 Assemble and test far detector modules - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.1 Assemble and test far detector modules - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.1 Assemble and test far detector modules - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.1 Assemble and test far detector modules - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.3 Ship used pallet assemblies to extruder - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.1 Assemble and test far detector modules - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.1 Assemble and test far detector modules - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.1 Assemble and test far detector modules - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.1 Assemble and test far detector modules - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.3 Ship used pallet assemblies to extruder - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.1 Assemble and test far detector modules - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.1 Assemble and test far detector modules - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.3 Assemble and test near detector modules	BCWS	0	0	0	110,160	98,565	0	0	0	0	0	0
2.5.3.3.3.5 Ship completed near detector modules to ANL	BCWS	0	0	0	5,681	7,575	379	0	0	0	0	0
2.5.3.3.4 Maintain module quality assurance tracking system	BCWS	0	0	0	0	0	0	0	0	2,707	3,989	3,799
2.5.3.3.5 Materials strength and chemical interactions QA testing	BCWS	0	0	0	0	0	0	0	0	3,609	3,794	3,613
2.5.3.3.6 Procure airbags for module shipping	BCWS	0	0	0	0	0	0	0	0	0	2,270	9,079
2.5.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.1 Labor	BCWS	27,472	28,918	33,256	31,810	28,918	31,810	30,364	31,810	28,918	0	0
2.5.4.4.2 Travel	BCWS	364	384	441	422	384	422	403	422	384	0	0
2.5.4.4.5 Additional Travel-module QC	BCWS	0	0	0	2,890	2,628	2,890	2,759	2,890	2,759	0	0
2.5.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	33,657	32,055
2.5.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	274	261
2.5.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.1 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	4,132	0
2.6.1.1.1.3 Manufacture parts	BCWS	0	0	0	0	0	0	0	0	0	0	34,270
2.6.1.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.3 Manufacture TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	16,954
2.6.1.1.3 Assemble and test APD housings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.1 Manufacture and deliver APDs - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.10 Manufacture and deliver APDs - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.11 Manufacture and deliver APDs - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.12 Manufacture and deliver APDs - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.13 Manufacture and deliver APDs - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.14 Manufacture and deliver APDs - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.5.3.3.2.30.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.3 Ship used pallet assemblies to extruder - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.1 Assemble and test far detector modules - Block 4H	BCWS	0	0	0	0	0	0	0	71,943	0	0	0
2.5.3.3.2.4.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.1 Assemble and test far detector modules - Block 4V	BCWS	0	0	0	0	0	0	0	67,448	0	0	0
2.5.3.3.2.4.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.3 Ship used pallet assemblies to extruder - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.1 Assemble and test far detector modules - Block 5H	BCWS	0	0	0	0	0	0	0	10,377	57,072	0	0
2.5.3.3.2.5.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.1 Assemble and test far detector modules - Block 5V	BCWS	0	0	0	0	0	0	0	11,068	60,875	0	0
2.5.3.3.2.5.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.1 Assemble and test far detector modules - Block 6H	BCWS	0	0	0	0	0	0	0	0	62,260	5,188	0
2.5.3.3.2.6.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.1 Assemble and test far detector modules - Block 6V	BCWS	0	0	0	0	0	0	0	0	66,409	5,534	0
2.5.3.3.2.6.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.3 Ship used pallet assemblies to extruder - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.1 Assemble and test far detector modules - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	71,943	0
2.5.3.3.2.7.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.1 Assemble and test far detector modules - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	67,448	0
2.5.3.3.2.7.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.1 Assemble and test far detector modules - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	36,318	32,481
2.5.3.3.2.8.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.1 Assemble and test far detector modules - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	38,739	34,645
2.5.3.3.2.8.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.3 Ship used pallet assemblies to extruder - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.1 Assemble and test far detector modules - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	75,065
2.5.3.3.2.9.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.1 Assemble and test far detector modules - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	70,375
2.5.3.3.2.9.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.3 Assemble and test near detector modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.5 Ship completed near detector modules to ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.4 Maintain module quality assurance tracking system	BCWS	3,799	3,609	3,799	4,368	3,989	3,989	4,178	3,799	4,368	2,630	2,422
2.5.3.3.5 Materials strength and chemical interactions QA testing	BCWS	3,613	3,432	3,613	4,155	3,794	3,794	3,974	3,613	4,155	3,794	3,956
2.5.3.3.6 Procure airbags for module shipping	BCWS	8,625	0	0	0	0	0	0	0	0	0	0
2.5.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.5 Additional Travel-module QC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.1 Labor	BCWS	32,055	30,452	32,055	36,863	33,657	33,657	35,260	32,055	36,863	32,055	0
2.5.4.5.2 Travel	BCWS	261	248	261	300	274	274	287	261	300	261	0
2.5.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	31,711
2.5.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.1 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.3 Manufacture parts	BCWS	34,270	32,556	34,270	39,410	35,983	27,416	0	0	0	0	0
2.6.1.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.3 Manufacture TE coolers	BCWS	16,954	16,106	16,954	19,497	14,411	0	0	0	0	0	0
2.6.1.1.3 Assemble and test APD housings	BCWS	0	0	0	0	0	4,067	17,896	16,269	18,710	17,083	17,903
2.6.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.1 Manufacture and deliver APDs - Block 1	BCWS	0	0	206,436	0	0	0	0	0	0	0	0
2.6.1.2.3.10 Manufacture and deliver APDs - Block 10	BCWS	0	0	0	0	0	0	178,344	0	0	0	0
2.6.1.2.3.11 Manufacture and deliver APDs - Block 11	BCWS	0	0	0	0	0	0	124,841	53,503	0	0	0
2.6.1.2.3.12 Manufacture and deliver APDs - Block 12	BCWS	0	0	0	0	0	0	0	178,344	0	0	0
2.6.1.2.3.13 Manufacture and deliver APDs - Block 13	BCWS	0	0	0	0	0	0	0	124,841	53,503	0	0
2.6.1.2.3.14 Manufacture and deliver APDs - Block 14	BCWS	0	0	0	0	0	0	0	0	178,344	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.5.3.3.2.30.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.3 Ship used pallet assemblies to extruder - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.1 Assemble and test far detector modules - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.2 Ship completed far detector modules to far site - Bloc	BCWS	3,151	7,090	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.1 Assemble and test far detector modules - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.2 Ship completed far detector modules to far site - Bloc	BCWS	2,873	6,465	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.3 Ship used pallet assemblies to extruder - Block 4V	BCWS	0	0	0	0	0	820	0	0	0	0	0
2.5.3.3.2.5.1.1 Assemble and test far detector modules - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	7,183	2,155	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.1 Assemble and test far detector modules - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	7,877	2,363	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.1 Assemble and test far detector modules - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	9,338	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.1 Assemble and test far detector modules - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	10,241	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.3 Ship used pallet assemblies to extruder - Block 6V	BCWS	0	0	0	0	0	0	820	0	0	0	0
2.5.3.3.2.7.1.1 Assemble and test far detector modules - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	3,151	7,090	0	0	0	0	0	0	0
2.5.3.3.2.7.2.1 Assemble and test far detector modules - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	2,873	6,465	0	0	0	0	0	0	0
2.5.3.3.2.8.1.1 Assemble and test far detector modules - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	8,620	718	0	0	0	0	0	0
2.5.3.3.2.8.2.1 Assemble and test far detector modules - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	9,453	788	0	0	0	0	0	0
2.5.3.3.2.8.2.3 Ship used pallet assemblies to extruder - Block 8V	BCWS	0	0	0	0	0	0	0	820	0	0	0
2.5.3.3.2.9.1.1 Assemble and test far detector modules - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	10,241	0	0	0	0	0	0
2.5.3.3.2.9.2.1 Assemble and test far detector modules - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	9,338	0	0	0	0	0	0
2.5.3.3.3.3 Assemble and test near detector modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.5 Ship completed near detector modules to ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.4 Maintain module quality assurance tracking system	BCWS	2,307	2,191	2,307	2,422	2,537	2,422	2,537	2,422	2,422	2,653	2,191
2.5.3.3.5 Materials strength and chemical interactions QA testing	BCWS	3,768	3,579	3,768	3,956	4,144	3,956	4,144	3,956	3,956	4,333	3,579
2.5.3.3.6 Procure airbags for module shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.5 Additional Travel-module QC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.6.1 Labor	BCWS	30,201	28,691	30,201	31,711	33,221	31,711	33,221	31,711	31,711	34,731	28,691
2.5.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.1 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.3 Manufacture parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.3 Manufacture TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.3 Assemble and test APD housings	BCWS	17,050	16,198	17,050	17,903	6,820	0	0	0	0	0	0
2.6.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.1 Manufacture and deliver APDs - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.10 Manufacture and deliver APDs - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.11 Manufacture and deliver APDs - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.12 Manufacture and deliver APDs - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.13 Manufacture and deliver APDs - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.14 Manufacture and deliver APDs - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.5.3.3.2.30.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	10,514	0	0	0	0
2.5.3.3.2.30.2.3 Ship used pallet assemblies to extruder - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	845
2.5.3.3.2.4.1.1 Assemble and test far detector modules - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.1 Assemble and test far detector modules - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.3 Ship used pallet assemblies to extruder - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.1 Assemble and test far detector modules - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.1 Assemble and test far detector modules - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.1 Assemble and test far detector modules - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.1 Assemble and test far detector modules - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.3 Ship used pallet assemblies to extruder - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.1 Assemble and test far detector modules - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.1 Assemble and test far detector modules - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.1 Assemble and test far detector modules - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.1 Assemble and test far detector modules - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.3 Ship used pallet assemblies to extruder - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.1 Assemble and test far detector modules - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.1 Assemble and test far detector modules - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.3 Assemble and test near detector modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.5 Ship completed near detector modules to ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.4 Maintain module quality assurance tracking system	BCWS	2,780	2,417	2,176	2,538	2,417	2,538	2,659	2,659	2,417	2,659	2,659
2.5.3.3.5 Materials strength and chemical interactions QA testing	BCWS	4,537	3,945	3,551	4,142	3,945	4,142	4,340	4,340	3,945	4,340	3,551
2.5.3.3.6 Procure airbags for module shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.5 Additional Travel-module QC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.7.1 Labor	BCWS	36,399	31,651	28,486	33,234	31,651	33,234	5,087	2,114	1,922	2,114	2,114
2.6.1.1.1.1 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.3 Manufacture parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.3 Manufacture TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.3 Assemble and test APD housings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.1 Manufacture and deliver APDs - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.10 Manufacture and deliver APDs - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.11 Manufacture and deliver APDs - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.12 Manufacture and deliver APDs - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.13 Manufacture and deliver APDs - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.14 Manufacture and deliver APDs - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.5.3.3.2.30.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.30.2.3 Ship used pallet assemblies to extruder - Block 30V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.1 Assemble and test far detector modules - Block 4H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.1 Assemble and test far detector modules - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.4.2.3 Ship used pallet assemblies to extruder - Block 4V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.1 Assemble and test far detector modules - Block 5H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.1 Assemble and test far detector modules - Block 5V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.5.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.1 Assemble and test far detector modules - Block 6H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.1 Assemble and test far detector modules - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.6.2.3 Ship used pallet assemblies to extruder - Block 6V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.1 Assemble and test far detector modules - Block 7H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.1 Assemble and test far detector modules - Block 7V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.7.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.1 Assemble and test far detector modules - Block 8H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.1 Assemble and test far detector modules - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.8.2.3 Ship used pallet assemblies to extruder - Block 8V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.1 Assemble and test far detector modules - Block 9H	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.1 Assemble and test far detector modules - Block 9V	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.2.9.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.3 Assemble and test near detector modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.3.5 Ship completed near detector modules to ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.4 Maintain module quality assurance tracking system	BCWS	242	0	0	0	0	0	0	0	0	0	0
2.5.3.3.5 Materials strength and chemical interactions QA testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.3.3.6 Procure airbags for module shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.4.5 Additional Travel-module QC	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.5.4.7.1 Labor	BCWS	1,826	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.1 Prepare purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.1.3 Manufacture parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.2.3 Manufacture TE coolers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.1.3 Assemble and test APD housings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.1 Prepare purchase order	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.1 Manufacture and deliver APDs - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.10 Manufacture and deliver APDs - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.11 Manufacture and deliver APDs - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.12 Manufacture and deliver APDs - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.13 Manufacture and deliver APDs - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.14 Manufacture and deliver APDs - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.5.3.3.2.30.2.2 Ship completed far detector modules to far site - Blo	BCWS	0	0	10,514
2.5.3.3.2.30.2.3 Ship used pallet assemblies to extruder - Block 30V	BCWS	0	0	845
2.5.3.3.2.4.1.1 Assemble and test far detector modules - Block 4H	BCWS	0	0	71,943
2.5.3.3.2.4.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	10,241
2.5.3.3.2.4.2.1 Assemble and test far detector modules - Block 4V	BCWS	0	0	67,448
2.5.3.3.2.4.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	9,338
2.5.3.3.2.4.2.3 Ship used pallet assemblies to extruder - Block 4V	BCWS	0	0	820
2.5.3.3.2.5.1.1 Assemble and test far detector modules - Block 5H	BCWS	0	0	67,448
2.5.3.3.2.5.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	9,338
2.5.3.3.2.5.2.1 Assemble and test far detector modules - Block 5V	BCWS	0	0	71,943
2.5.3.3.2.5.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	10,241
2.5.3.3.2.6.1.1 Assemble and test far detector modules - Block 6H	BCWS	0	0	67,448
2.5.3.3.2.6.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	9,338
2.5.3.3.2.6.2.1 Assemble and test far detector modules - Block 6V	BCWS	0	0	71,943
2.5.3.3.2.6.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	10,241
2.5.3.3.2.6.2.3 Ship used pallet assemblies to extruder - Block 6V	BCWS	0	0	820
2.5.3.3.2.7.1.1 Assemble and test far detector modules - Block 7H	BCWS	0	0	71,943
2.5.3.3.2.7.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	10,241
2.5.3.3.2.7.2.1 Assemble and test far detector modules - Block 7V	BCWS	0	0	67,448
2.5.3.3.2.7.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	9,338
2.5.3.3.2.8.1.1 Assemble and test far detector modules - Block 8H	BCWS	0	0	68,799
2.5.3.3.2.8.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	9,338
2.5.3.3.2.8.2.1 Assemble and test far detector modules - Block 8V	BCWS	0	0	73,384
2.5.3.3.2.8.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	10,241
2.5.3.3.2.8.2.3 Ship used pallet assemblies to extruder - Block 8V	BCWS	0	0	820
2.5.3.3.2.9.1.1 Assemble and test far detector modules - Block 9H	BCWS	0	0	75,065
2.5.3.3.2.9.1.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	10,241
2.5.3.3.2.9.2.1 Assemble and test far detector modules - Block 9V	BCWS	0	0	70,375
2.5.3.3.2.9.2.2 Ship completed far detector modules to far site - Bloc	BCWS	0	0	9,338
2.5.3.3.3.3 Assemble and test near detector modules	BCWS	0	0	208,725
2.5.3.3.3.5 Ship completed near detector modules to ANL	BCWS	0	0	13,635
2.5.3.3.4 Maintain module quality assurance tracking system	BCWS	0	0	106,015
2.5.3.3.5 Materials strength and chemical interactions QA testing	BCWS	0	0	140,823
2.5.3.3.6 Procure airbags for module shipping	BCWS	0	0	19,974
2.5.4.3.1 Labor	BCWS	0	0	156,418
2.5.4.3.2 Travel	BCWS	0	0	4,696
2.5.4.4.1 Labor	BCWS	0	0	361,478
2.5.4.4.2 Travel	BCWS	0	0	4,794
2.5.4.4.5 Additional Travel-module QC	BCWS	0	0	16,816
2.5.4.5.1 Labor	BCWS	0	0	400,683
2.5.4.5.2 Travel	BCWS	0	0	3,263
2.5.4.6.1 Labor	BCWS	0	0	377,513
2.5.4.7.1 Labor	BCWS	0	0	209,830
2.6.1.1.1.1 Prepare purchase orders	BCWS	0	0	4,132
2.6.1.1.1.3 Manufacture parts	BCWS	0	0	238,175
2.6.1.1.2.1 Prepare purchase order	BCWS	0	0	0
2.6.1.1.2.3 Manufacture TE coolers	BCWS	0	0	100,877
2.6.1.1.3 Assemble and test APD housings	BCWS	0	0	166,950
2.6.1.2.1 Prepare purchase order	BCWS	0	0	0
2.6.1.2.3.1 Manufacture and deliver APDs - Block 1	BCWS	0	0	206,436
2.6.1.2.3.10 Manufacture and deliver APDs - Block 10	BCWS	0	0	178,344
2.6.1.2.3.11 Manufacture and deliver APDs - Block 11	BCWS	0	0	178,344
2.6.1.2.3.12 Manufacture and deliver APDs - Block 12	BCWS	0	0	178,344
2.6.1.2.3.13 Manufacture and deliver APDs - Block 13	BCWS	0	0	178,344
2.6.1.2.3.14 Manufacture and deliver APDs - Block 14	BCWS	0	0	178,344

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.6.1.2.3.15 Manufacture and deliver APDs - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.16 Manufacture and deliver APDs - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.17 Manufacture and deliver APDs - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.18 Manufacture and deliver APDs - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.19 Manufacture and deliver APDs - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.2 Manufacture and deliver APDs - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.20 Manufacture and deliver APDs - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.21 Manufacture and deliver APDs - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.22 Manufacture and deliver APDs - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.23 Manufacture and deliver APDs - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.24 Manufacture and deliver APDs - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.25 Manufacture and deliver APDs - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.26 Manufacture and deliver APDs - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.27 Manufacture and deliver APDs - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.28 Manufacture and deliver APDs - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.29 Manufacture and deliver APDs - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.3 Manufacture and deliver APDs - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.30 Manufacture and deliver APDs - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.4 Manufacture and deliver APDs - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.5 Manufacture and deliver APDs - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.6 Manufacture and deliver APDs - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.7 Manufacture and deliver APDs - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.8 Manufacture and deliver APDs - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.9 Manufacture and deliver APDs - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.4 Evaluate APDs used in IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.1 Assemble and test APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.10 Assemble and test APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.11 Assemble and test APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.12 Assemble and test APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.13 Assemble and test APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.14 Assemble and test APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.15 Assemble and test APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.16 Assemble and test APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.17 Assemble and test APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.18 Assemble and test APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.19 Assemble and test APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.2 Assemble and test APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.20 Assemble and test APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.21 Assemble and test APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.22 Assemble and test APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.23 Assemble and test APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.24 Assemble and test APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.25 Assemble and test APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.26 Assemble and test APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.27 Assemble and test APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.28 Assemble and test APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.29 Assemble and test APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.3 Assemble and test APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.30 Assemble and test APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.4 Assemble and test APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.5 Assemble and test APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.6 Assemble and test APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.7 Assemble and test APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.8 Assemble and test APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.9 Assemble and test APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.6.1.2.3.15 Manufacture and deliver APDs - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.16 Manufacture and deliver APDs - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.17 Manufacture and deliver APDs - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.18 Manufacture and deliver APDs - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.19 Manufacture and deliver APDs - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.2 Manufacture and deliver APDs - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.20 Manufacture and deliver APDs - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.21 Manufacture and deliver APDs - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.22 Manufacture and deliver APDs - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.23 Manufacture and deliver APDs - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.24 Manufacture and deliver APDs - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.25 Manufacture and deliver APDs - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.26 Manufacture and deliver APDs - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.27 Manufacture and deliver APDs - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.28 Manufacture and deliver APDs - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.29 Manufacture and deliver APDs - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.3 Manufacture and deliver APDs - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.30 Manufacture and deliver APDs - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.4 Manufacture and deliver APDs - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.5 Manufacture and deliver APDs - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.6 Manufacture and deliver APDs - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.7 Manufacture and deliver APDs - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.8 Manufacture and deliver APDs - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.9 Manufacture and deliver APDs - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.4 Evaluate APDs used in IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.1 Assemble and test APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.10 Assemble and test APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.11 Assemble and test APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.12 Assemble and test APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.13 Assemble and test APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.14 Assemble and test APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.15 Assemble and test APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.16 Assemble and test APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.17 Assemble and test APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.18 Assemble and test APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.19 Assemble and test APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.2 Assemble and test APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.20 Assemble and test APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.21 Assemble and test APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.22 Assemble and test APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.23 Assemble and test APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.24 Assemble and test APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.25 Assemble and test APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.26 Assemble and test APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.27 Assemble and test APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.28 Assemble and test APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.29 Assemble and test APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.3 Assemble and test APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.30 Assemble and test APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.4 Assemble and test APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.5 Assemble and test APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.6 Assemble and test APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.7 Assemble and test APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.8 Assemble and test APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.9 Assemble and test APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.6.1.2.3.15 Manufacture and deliver APDs - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.16 Manufacture and deliver APDs - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.17 Manufacture and deliver APDs - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.18 Manufacture and deliver APDs - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.19 Manufacture and deliver APDs - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.2 Manufacture and deliver APDs - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.20 Manufacture and deliver APDs - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.21 Manufacture and deliver APDs - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.22 Manufacture and deliver APDs - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.23 Manufacture and deliver APDs - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.24 Manufacture and deliver APDs - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.25 Manufacture and deliver APDs - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.26 Manufacture and deliver APDs - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.27 Manufacture and deliver APDs - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.28 Manufacture and deliver APDs - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.29 Manufacture and deliver APDs - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.3 Manufacture and deliver APDs - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.30 Manufacture and deliver APDs - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.4 Manufacture and deliver APDs - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.5 Manufacture and deliver APDs - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.6 Manufacture and deliver APDs - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.7 Manufacture and deliver APDs - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.8 Manufacture and deliver APDs - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.9 Manufacture and deliver APDs - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.4 Evaluate APDs used in IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.1 Assemble and test APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.10 Assemble and test APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.11 Assemble and test APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.12 Assemble and test APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.13 Assemble and test APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.14 Assemble and test APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.15 Assemble and test APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.16 Assemble and test APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.17 Assemble and test APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.18 Assemble and test APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.19 Assemble and test APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.2 Assemble and test APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.20 Assemble and test APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.21 Assemble and test APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.22 Assemble and test APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.23 Assemble and test APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.24 Assemble and test APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.25 Assemble and test APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.26 Assemble and test APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.27 Assemble and test APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.28 Assemble and test APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.29 Assemble and test APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.3 Assemble and test APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.30 Assemble and test APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.4 Assemble and test APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.5 Assemble and test APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.6 Assemble and test APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.7 Assemble and test APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.8 Assemble and test APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.9 Assemble and test APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.6.1.2.3.15 Manufacture and deliver APDs - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.16 Manufacture and deliver APDs - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.17 Manufacture and deliver APDs - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.18 Manufacture and deliver APDs - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.19 Manufacture and deliver APDs - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.2 Manufacture and deliver APDs - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.20 Manufacture and deliver APDs - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.21 Manufacture and deliver APDs - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.22 Manufacture and deliver APDs - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.23 Manufacture and deliver APDs - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.24 Manufacture and deliver APDs - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.25 Manufacture and deliver APDs - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.26 Manufacture and deliver APDs - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.27 Manufacture and deliver APDs - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.28 Manufacture and deliver APDs - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.29 Manufacture and deliver APDs - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.3 Manufacture and deliver APDs - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.30 Manufacture and deliver APDs - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.4 Manufacture and deliver APDs - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.5 Manufacture and deliver APDs - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.6 Manufacture and deliver APDs - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.7 Manufacture and deliver APDs - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.8 Manufacture and deliver APDs - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.9 Manufacture and deliver APDs - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.4 Evaluate APDs used in IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.1 Assemble and test APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.10 Assemble and test APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.11 Assemble and test APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.12 Assemble and test APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.13 Assemble and test APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.14 Assemble and test APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.15 Assemble and test APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.16 Assemble and test APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.17 Assemble and test APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.18 Assemble and test APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.19 Assemble and test APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.2 Assemble and test APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.20 Assemble and test APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.21 Assemble and test APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.22 Assemble and test APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.23 Assemble and test APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.24 Assemble and test APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.25 Assemble and test APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.26 Assemble and test APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.27 Assemble and test APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.28 Assemble and test APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.29 Assemble and test APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.3 Assemble and test APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.30 Assemble and test APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.4 Assemble and test APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.5 Assemble and test APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.6 Assemble and test APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.7 Assemble and test APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.8 Assemble and test APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.9 Assemble and test APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.6.1.2.3.15 Manufacture and deliver APDs - Block 15	BCWS	0	0	0	0	0	0	0	0	178,344	0	0
2.6.1.2.3.16 Manufacture and deliver APDs - Block 16	BCWS	0	0	0	0	0	0	0	0	0	178,344	0
2.6.1.2.3.17 Manufacture and deliver APDs - Block 17	BCWS	0	0	0	0	0	0	0	0	0	178,344	0
2.6.1.2.3.18 Manufacture and deliver APDs - Block 18	BCWS	0	0	0	0	0	0	0	0	0	17,834	164,036
2.6.1.2.3.19 Manufacture and deliver APDs - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	182,262
2.6.1.2.3.2 Manufacture and deliver APDs - Block 2	BCWS	0	0	206,436	0	0	0	0	0	0	0	0
2.6.1.2.3.20 Manufacture and deliver APDs - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	36,452
2.6.1.2.3.21 Manufacture and deliver APDs - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.22 Manufacture and deliver APDs - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.23 Manufacture and deliver APDs - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.24 Manufacture and deliver APDs - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.25 Manufacture and deliver APDs - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.26 Manufacture and deliver APDs - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.27 Manufacture and deliver APDs - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.28 Manufacture and deliver APDs - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.29 Manufacture and deliver APDs - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.3 Manufacture and deliver APDs - Block 3	BCWS	0	0	0	206,436	0	0	0	0	0	0	0
2.6.1.2.3.30 Manufacture and deliver APDs - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.4 Manufacture and deliver APDs - Block 4	BCWS	0	0	0	179,741	0	0	0	0	0	0	0
2.6.1.2.3.5 Manufacture and deliver APDs - Block 5	BCWS	0	0	0	53,503	124,841	0	0	0	0	0	0
2.6.1.2.3.6 Manufacture and deliver APDs - Block 6	BCWS	0	0	0	0	178,344	0	0	0	0	0	0
2.6.1.2.3.7 Manufacture and deliver APDs - Block 7	BCWS	0	0	0	0	71,337	107,006	0	0	0	0	0
2.6.1.2.3.8 Manufacture and deliver APDs - Block 8	BCWS	0	0	0	0	0	178,344	0	0	0	0	0
2.6.1.2.3.9 Manufacture and deliver APDs - Block 9	BCWS	0	0	0	0	0	89,172	89,172	0	0	0	0
2.6.1.2.4 Evaluate APDs used in IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.1 Assemble and test APD modules-Block 1	BCWS	0	0	0	0	0	0	2,188	2,188	0	0	0
2.6.1.3.10 Assemble and test APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.11 Assemble and test APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.12 Assemble and test APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.13 Assemble and test APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.14 Assemble and test APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.15 Assemble and test APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.16 Assemble and test APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.17 Assemble and test APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.18 Assemble and test APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.19 Assemble and test APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.2 Assemble and test APD modules-Block 2	BCWS	0	0	0	0	0	0	0	4,376	0	0	0
2.6.1.3.20 Assemble and test APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.21 Assemble and test APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.22 Assemble and test APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.23 Assemble and test APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.24 Assemble and test APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.25 Assemble and test APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.26 Assemble and test APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.27 Assemble and test APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.28 Assemble and test APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.29 Assemble and test APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.3 Assemble and test APD modules-Block 3	BCWS	0	0	0	0	0	0	0	398	3,978	0	0
2.6.1.3.30 Assemble and test APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.4 Assemble and test APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	4,376	0	0
2.6.1.3.5 Assemble and test APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	796	3,580	0
2.6.1.3.6 Assemble and test APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	4,376	0
2.6.1.3.7 Assemble and test APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	398	4,169
2.6.1.3.8 Assemble and test APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	4,586
2.6.1.3.9 Assemble and test APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.6.1.2.3.15 Manufacture and deliver APDs - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.16 Manufacture and deliver APDs - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.17 Manufacture and deliver APDs - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.18 Manufacture and deliver APDs - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.19 Manufacture and deliver APDs - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.2 Manufacture and deliver APDs - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.20 Manufacture and deliver APDs - Block 20	BCWS	145,810	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.21 Manufacture and deliver APDs - Block 21	BCWS	182,262	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.22 Manufacture and deliver APDs - Block 22	BCWS	36,452	145,810	0	0	0	0	0	0	0	0	0
2.6.1.2.3.23 Manufacture and deliver APDs - Block 23	BCWS	0	182,262	0	0	0	0	0	0	0	0	0
2.6.1.2.3.24 Manufacture and deliver APDs - Block 24	BCWS	0	18,226	164,036	0	0	0	0	0	0	0	0
2.6.1.2.3.25 Manufacture and deliver APDs - Block 25	BCWS	0	0	182,262	0	0	0	0	0	0	0	0
2.6.1.2.3.26 Manufacture and deliver APDs - Block 26	BCWS	0	0	18,226	164,036	0	0	0	0	0	0	0
2.6.1.2.3.27 Manufacture and deliver APDs - Block 27	BCWS	0	0	0	182,262	0	0	0	0	0	0	0
2.6.1.2.3.28 Manufacture and deliver APDs - Block 28	BCWS	0	0	0	36,452	145,810	0	0	0	0	0	0
2.6.1.2.3.29 Manufacture and deliver APDs - Block 29	BCWS	0	0	0	0	182,262	0	0	0	0	0	0
2.6.1.2.3.3 Manufacture and deliver APDs - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.30 Manufacture and deliver APDs - Block 30	BCWS	0	0	0	0	72,905	109,357	0	0	0	0	0
2.6.1.2.3.4 Manufacture and deliver APDs - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.5 Manufacture and deliver APDs - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.6 Manufacture and deliver APDs - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.7 Manufacture and deliver APDs - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.8 Manufacture and deliver APDs - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.9 Manufacture and deliver APDs - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.4 Evaluate APDs used in IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.1 Assemble and test APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.10 Assemble and test APD modules-Block 10	BCWS	3,752	834	0	0	0	0	0	0	0	0	0
2.6.1.3.11 Assemble and test APD modules-Block 11	BCWS	0	4,586	0	0	0	0	0	0	0	0	0
2.6.1.3.12 Assemble and test APD modules-Block 12	BCWS	0	2,501	2,084	0	0	0	0	0	0	0	0
2.6.1.3.13 Assemble and test APD modules-Block 13	BCWS	0	0	4,586	0	0	0	0	0	0	0	0
2.6.1.3.14 Assemble and test APD modules-Block 14	BCWS	0	0	1,667	2,918	0	0	0	0	0	0	0
2.6.1.3.15 Assemble and test APD modules-Block 15	BCWS	0	0	0	4,586	0	0	0	0	0	0	0
2.6.1.3.16 Assemble and test APD modules-Block 16	BCWS	0	0	0	1,251	3,335	0	0	0	0	0	0
2.6.1.3.17 Assemble and test APD modules-Block 17	BCWS	0	0	0	0	4,586	0	0	0	0	0	0
2.6.1.3.18 Assemble and test APD modules-Block 18	BCWS	0	0	0	0	1,251	3,335	0	0	0	0	0
2.6.1.3.19 Assemble and test APD modules-Block 19	BCWS	0	0	0	0	0	4,586	0	0	0	0	0
2.6.1.3.2 Assemble and test APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.20 Assemble and test APD modules-Block 20	BCWS	0	0	0	0	0	834	3,752	0	0	0	0
2.6.1.3.21 Assemble and test APD modules-Block 21	BCWS	0	0	0	0	0	0	4,586	0	0	0	0
2.6.1.3.22 Assemble and test APD modules-Block 22	BCWS	0	0	0	0	0	0	834	3,752	0	0	0
2.6.1.3.23 Assemble and test APD modules-Block 23	BCWS	0	0	0	0	0	0	0	4,586	0	0	0
2.6.1.3.24 Assemble and test APD modules-Block 24	BCWS	0	0	0	0	0	0	0	417	4,169	0	0
2.6.1.3.25 Assemble and test APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	4,586	0	0
2.6.1.3.26 Assemble and test APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	4,586	0
2.6.1.3.27 Assemble and test APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	4,586	0
2.6.1.3.28 Assemble and test APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	417	4,169
2.6.1.3.29 Assemble and test APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	3,752
2.6.1.3.3 Assemble and test APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.30 Assemble and test APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.4 Assemble and test APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.5 Assemble and test APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.6 Assemble and test APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.7 Assemble and test APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.8 Assemble and test APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.9 Assemble and test APD modules-Block 9	BCWS	4,586	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.6.1.2.3.15 Manufacture and deliver APDs - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.16 Manufacture and deliver APDs - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.17 Manufacture and deliver APDs - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.18 Manufacture and deliver APDs - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.19 Manufacture and deliver APDs - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.2 Manufacture and deliver APDs - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.20 Manufacture and deliver APDs - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.21 Manufacture and deliver APDs - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.22 Manufacture and deliver APDs - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.23 Manufacture and deliver APDs - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.24 Manufacture and deliver APDs - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.25 Manufacture and deliver APDs - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.26 Manufacture and deliver APDs - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.27 Manufacture and deliver APDs - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.28 Manufacture and deliver APDs - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.29 Manufacture and deliver APDs - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.3 Manufacture and deliver APDs - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.30 Manufacture and deliver APDs - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.4 Manufacture and deliver APDs - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.5 Manufacture and deliver APDs - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.6 Manufacture and deliver APDs - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.7 Manufacture and deliver APDs - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.8 Manufacture and deliver APDs - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.9 Manufacture and deliver APDs - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.4 Evaluate APDs used in IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.1 Assemble and test APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.10 Assemble and test APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.11 Assemble and test APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.12 Assemble and test APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.13 Assemble and test APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.14 Assemble and test APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.15 Assemble and test APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.16 Assemble and test APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.17 Assemble and test APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.18 Assemble and test APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.19 Assemble and test APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.2 Assemble and test APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.20 Assemble and test APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.21 Assemble and test APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.22 Assemble and test APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.23 Assemble and test APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.24 Assemble and test APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.25 Assemble and test APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.26 Assemble and test APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.27 Assemble and test APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.28 Assemble and test APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.29 Assemble and test APD modules-Block 29	BCWS	874	0	0	0	0	0	0	0	0	0	0
2.6.1.3.3 Assemble and test APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.30 Assemble and test APD modules-Block 30	BCWS	4,806	0	0	0	0	0	0	0	0	0	0
2.6.1.3.4 Assemble and test APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.5 Assemble and test APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.6 Assemble and test APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.7 Assemble and test APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.8 Assemble and test APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.9 Assemble and test APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.6.1.2.3.15 Manufacture and deliver APDs - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.16 Manufacture and deliver APDs - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.17 Manufacture and deliver APDs - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.18 Manufacture and deliver APDs - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.19 Manufacture and deliver APDs - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.2 Manufacture and deliver APDs - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.20 Manufacture and deliver APDs - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.21 Manufacture and deliver APDs - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.22 Manufacture and deliver APDs - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.23 Manufacture and deliver APDs - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.24 Manufacture and deliver APDs - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.25 Manufacture and deliver APDs - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.26 Manufacture and deliver APDs - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.27 Manufacture and deliver APDs - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.28 Manufacture and deliver APDs - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.29 Manufacture and deliver APDs - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.3 Manufacture and deliver APDs - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.30 Manufacture and deliver APDs - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.4 Manufacture and deliver APDs - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.5 Manufacture and deliver APDs - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.6 Manufacture and deliver APDs - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.7 Manufacture and deliver APDs - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.8 Manufacture and deliver APDs - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.3.9 Manufacture and deliver APDs - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.2.4 Evaluate APDs used in IPND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.1 Assemble and test APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.10 Assemble and test APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.11 Assemble and test APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.12 Assemble and test APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.13 Assemble and test APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.14 Assemble and test APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.15 Assemble and test APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.16 Assemble and test APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.17 Assemble and test APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.18 Assemble and test APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.19 Assemble and test APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.2 Assemble and test APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.20 Assemble and test APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.21 Assemble and test APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.22 Assemble and test APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.23 Assemble and test APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.24 Assemble and test APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.25 Assemble and test APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.26 Assemble and test APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.27 Assemble and test APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.28 Assemble and test APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.29 Assemble and test APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.3 Assemble and test APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.30 Assemble and test APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.4 Assemble and test APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.5 Assemble and test APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.6 Assemble and test APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.7 Assemble and test APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.8 Assemble and test APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.9 Assemble and test APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.6.1.2.3.15 Manufacture and deliver APDs - Block 15	BCWS	0	0	178,344
2.6.1.2.3.16 Manufacture and deliver APDs - Block 16	BCWS	0	0	178,344
2.6.1.2.3.17 Manufacture and deliver APDs - Block 17	BCWS	0	0	178,344
2.6.1.2.3.18 Manufacture and deliver APDs - Block 18	BCWS	0	0	181,870
2.6.1.2.3.19 Manufacture and deliver APDs - Block 19	BCWS	0	0	182,262
2.6.1.2.3.2 Manufacture and deliver APDs - Block 2	BCWS	0	0	206,436
2.6.1.2.3.20 Manufacture and deliver APDs - Block 20	BCWS	0	0	182,262
2.6.1.2.3.21 Manufacture and deliver APDs - Block 21	BCWS	0	0	182,262
2.6.1.2.3.22 Manufacture and deliver APDs - Block 22	BCWS	0	0	182,262
2.6.1.2.3.23 Manufacture and deliver APDs - Block 23	BCWS	0	0	182,262
2.6.1.2.3.24 Manufacture and deliver APDs - Block 24	BCWS	0	0	182,262
2.6.1.2.3.25 Manufacture and deliver APDs - Block 25	BCWS	0	0	182,262
2.6.1.2.3.26 Manufacture and deliver APDs - Block 26	BCWS	0	0	182,262
2.6.1.2.3.27 Manufacture and deliver APDs - Block 27	BCWS	0	0	182,262
2.6.1.2.3.28 Manufacture and deliver APDs - Block 28	BCWS	0	0	182,262
2.6.1.2.3.29 Manufacture and deliver APDs - Block 29	BCWS	0	0	182,262
2.6.1.2.3.3 Manufacture and deliver APDs - Block 3	BCWS	0	0	206,436
2.6.1.2.3.30 Manufacture and deliver APDs - Block 30	BCWS	0	0	182,262
2.6.1.2.3.4 Manufacture and deliver APDs - Block 4	BCWS	0	0	179,741
2.6.1.2.3.5 Manufacture and deliver APDs - Block 5	BCWS	0	0	178,344
2.6.1.2.3.6 Manufacture and deliver APDs - Block 6	BCWS	0	0	178,344
2.6.1.2.3.7 Manufacture and deliver APDs - Block 7	BCWS	0	0	178,344
2.6.1.2.3.8 Manufacture and deliver APDs - Block 8	BCWS	0	0	178,344
2.6.1.2.3.9 Manufacture and deliver APDs - Block 9	BCWS	0	0	178,344
2.6.1.2.4 Evaluate APDs used in IPND	BCWS	0	0	0
2.6.1.3.1 Assemble and test APD modules-Block 1	BCWS	0	0	4,376
2.6.1.3.10 Assemble and test APD modules-Block 10	BCWS	0	0	4,586
2.6.1.3.11 Assemble and test APD modules-Block 11	BCWS	0	0	4,586
2.6.1.3.12 Assemble and test APD modules-Block 12	BCWS	0	0	4,586
2.6.1.3.13 Assemble and test APD modules-Block 13	BCWS	0	0	4,586
2.6.1.3.14 Assemble and test APD modules-Block 14	BCWS	0	0	4,586
2.6.1.3.15 Assemble and test APD modules-Block 15	BCWS	0	0	4,586
2.6.1.3.16 Assemble and test APD modules-Block 16	BCWS	0	0	4,586
2.6.1.3.17 Assemble and test APD modules-Block 17	BCWS	0	0	4,586
2.6.1.3.18 Assemble and test APD modules-Block 18	BCWS	0	0	4,586
2.6.1.3.19 Assemble and test APD modules-Block 19	BCWS	0	0	4,586
2.6.1.3.2 Assemble and test APD modules-Block 2	BCWS	0	0	4,376
2.6.1.3.20 Assemble and test APD modules-Block 20	BCWS	0	0	4,586
2.6.1.3.21 Assemble and test APD modules-Block 21	BCWS	0	0	4,586
2.6.1.3.22 Assemble and test APD modules-Block 22	BCWS	0	0	4,586
2.6.1.3.23 Assemble and test APD modules-Block 23	BCWS	0	0	4,586
2.6.1.3.24 Assemble and test APD modules-Block 24	BCWS	0	0	4,586
2.6.1.3.25 Assemble and test APD modules-Block 25	BCWS	0	0	4,586
2.6.1.3.26 Assemble and test APD modules-Block 26	BCWS	0	0	4,586
2.6.1.3.27 Assemble and test APD modules-Block 27	BCWS	0	0	4,586
2.6.1.3.28 Assemble and test APD modules-Block 28	BCWS	0	0	4,586
2.6.1.3.29 Assemble and test APD modules-Block 29	BCWS	0	0	4,626
2.6.1.3.3 Assemble and test APD modules-Block 3	BCWS	0	0	4,376
2.6.1.3.30 Assemble and test APD modules-Block 30	BCWS	0	0	4,806
2.6.1.3.4 Assemble and test APD modules-Block 4	BCWS	0	0	4,376
2.6.1.3.5 Assemble and test APD modules-Block 5	BCWS	0	0	4,376
2.6.1.3.6 Assemble and test APD modules-Block 6	BCWS	0	0	4,376
2.6.1.3.7 Assemble and test APD modules-Block 7	BCWS	0	0	4,566
2.6.1.3.8 Assemble and test APD modules-Block 8	BCWS	0	0	4,586
2.6.1.3.9 Assemble and test APD modules-Block 9	BCWS	0	0	4,586

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.6.1.3.0.1 Prepare documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.2 Prepare final design drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.3 Final assembly of test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.4 Commission test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.5 Install at testing site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.1 Ship APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.10 Ship APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.11 Ship APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.12 Ship APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.13 Ship APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.14 Ship APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.15 Ship APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.16 Ship APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.17 Ship APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.18 Ship APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.19 Ship APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.2 Ship APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.20 Ship APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.21 Ship APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.22 Ship APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.23 Ship APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.24 Ship APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.25 Ship APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.26 Ship APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.27 Ship APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.28 Ship APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.29 Ship APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.3 Ship APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.30 Ship APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.39 Ship APD modules to FNAL-Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.4 Ship APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.5 Ship APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.6 Ship APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.7 Ship APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.8 Ship APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.9 Ship APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.1 Manufacture and deliver APD Arrays - Near Detector (b4 and b	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.2 Test APD arrays - Near Detector (b4 and b5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.3 Procure additional heat sinks/housings - Near Detector (b4an	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.4 Assemble additional heat sinks/housings - Near Detector (b4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.5 Test additional heat sinks/housings - Near Detector (b4 and	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.1 Engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.1 PCB design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.2 PCB layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.3 Parts procurement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.4 PCB test/debug	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.1 Program robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.2 Setup/Fixture robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.3 Develop test program	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.1 Preproduction testing/analysis development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.2 Production testing and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.3 Robot operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.3 Documentation/final reports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.4 Oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.3 ADCs	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.6.1.3.0.1 Prepare documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.2 Prepare final design drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.3 Final assembly of test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.4 Commission test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.5 Install at testing site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.1 Ship APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.10 Ship APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.11 Ship APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.12 Ship APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.13 Ship APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.14 Ship APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.15 Ship APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.16 Ship APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.17 Ship APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.18 Ship APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.19 Ship APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.2 Ship APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.20 Ship APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.21 Ship APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.22 Ship APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.23 Ship APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.24 Ship APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.25 Ship APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.26 Ship APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.27 Ship APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.28 Ship APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.29 Ship APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.3 Ship APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.30 Ship APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.39 Ship APD modules to FNAL-Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.4 Ship APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.5 Ship APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.6 Ship APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.7 Ship APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.8 Ship APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.9 Ship APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.1 Manufacture and deliver APD Arrays - Near Detector (b4 and b	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.2 Test APD arrays - Near Detector (b4 and b5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.3 Procure additional heat sinks/housings - Near Detector (b4an	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.4 Assemble additional heat sinks/housings - Near Detector (b4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.5 Test additional heat sinks/housings - Near Detector (b4 and	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.1 Engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.1 PCB design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.2 PCB layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.3 Parts procurement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.4 PCB test/debug	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.1 Program robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.2 Setup/Fixture robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.3 Develop test program	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.1 Preproduction testing/analysis development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.2 Production testing and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.3 Robot operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.3 Documentation/final reports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.4 Oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.3 ADCs	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.6.1.3.0.1 Prepare documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.2 Prepare final design drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.3 Final assembly of test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.4 Commission test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.5 Install at testing site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.1 Ship APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.10 Ship APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.11 Ship APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.12 Ship APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.13 Ship APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.14 Ship APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.15 Ship APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.16 Ship APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.17 Ship APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.18 Ship APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.19 Ship APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.2 Ship APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.20 Ship APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.21 Ship APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.22 Ship APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.23 Ship APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.24 Ship APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.25 Ship APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.26 Ship APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.27 Ship APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.28 Ship APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.29 Ship APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.3 Ship APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.30 Ship APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.39 Ship APD modules to FNAL-Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.4 Ship APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.5 Ship APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.6 Ship APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.7 Ship APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.8 Ship APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.9 Ship APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.1 Manufacture and deliver APD Arrays - Near Detector (b4 and b	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.2 Test APD arrays - Near Detector (b4 and b5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.3 Procure additional heat sinks/housings - Near Detector (b4an	BCWS	0	0	0	0	0	0	0	0	0	3,945	8,767
2.6.1.5.4 Assemble additional heat sinks/housings - Near Detector (b4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.5 Test additional heat sinks/housings - Near Detector (b4 and	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.1 Engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.1 PCB design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.2 PCB layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.3 Parts procurement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.4 PCB test/debug	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.1 Program robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.2 Setup/Fixture robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.3 Develop test program	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.1 Preproduction testing/analysis development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.2 Production testing and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.3 Robot operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.3 Documentation/final reports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.4 Oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.3 ADCs	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.6.1.3.0.1 Prepare documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.2 Prepare final design drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.3 Final assembly of test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.4 Commission test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.5 Install at testing site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.1 Ship APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.10 Ship APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.11 Ship APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.12 Ship APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.13 Ship APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.14 Ship APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.15 Ship APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.16 Ship APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.17 Ship APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.18 Ship APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.19 Ship APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.2 Ship APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.20 Ship APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.21 Ship APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.22 Ship APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.23 Ship APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.24 Ship APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.25 Ship APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.26 Ship APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.27 Ship APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.28 Ship APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.29 Ship APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.3 Ship APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.30 Ship APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.39 Ship APD modules to FNAL-Near Detector	BCWS	0	0	0	0	0	0	0	0	137	0	0
2.6.1.4.4 Ship APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.5 Ship APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.6 Ship APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.7 Ship APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.8 Ship APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.9 Ship APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.1 Manufacture and deliver APD Arrays - Near Detector (b4 and b	BCWS	0	0	0	0	0	0	0	0	0	141,217	183,583
2.6.1.5.2 Test APD arrays - Near Detector (b4 and b5)	BCWS	0	0	0	0	0	0	0	0	0	5,049	4,568
2.6.1.5.3 Procure additional heat sinks/housings - Near Detector (b4an	BCWS	4,822	0	0	0	0	0	0	0	0	0	0
2.6.1.5.4 Assemble additional heat sinks/housings - Near Detector (b4	BCWS	0	0	0	0	0	0	0	7,141	0	0	0
2.6.1.5.5 Test additional heat sinks/housings - Near Detector (b4 and	BCWS	0	0	0	0	0	0	0	4,463	0	0	0
2.6.2.1.1.1 Engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.1 PCB design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.2 PCB layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.3 Parts procurement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.4 PCB test/debug	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.1 Program robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.2 Setup/Fixture robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.3 Develop test program	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.1 Preproduction testing/analysis development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.2 Production testing and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.3 Robot operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.3 Documentation/final reports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.4 Oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.3 ADCs	BCWS	0	24,167	34,740	33,229	28,698	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.6.1.3.0.1 Prepare documentation	BCWS	12,867	12,224	12,867	0	0	0	0	0	0	0	0
2.6.1.3.0.2 Prepare final design drawings	BCWS	12,867	12,224	12,867	0	0	0	0	0	0	0	0
2.6.1.3.0.3 Final assembly of test stand	BCWS	0	12,328	12,977	0	0	0	0	0	0	0	0
2.6.1.3.0.4 Commission test stand	BCWS	0	0	0	13,431	12,263	12,263	0	0	0	0	0
2.6.1.3.0.5 Install at testing site	BCWS	0	0	0	0	22,015	22,015	0	0	0	0	0
2.6.1.4.1 Ship APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.10 Ship APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.11 Ship APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.12 Ship APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.13 Ship APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.14 Ship APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.15 Ship APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.16 Ship APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.17 Ship APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.18 Ship APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.19 Ship APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.2 Ship APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.20 Ship APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.21 Ship APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.22 Ship APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.23 Ship APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.24 Ship APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.25 Ship APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.26 Ship APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.27 Ship APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.28 Ship APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.29 Ship APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.3 Ship APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.30 Ship APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.39 Ship APD modules to FNAL-Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.4 Ship APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.5 Ship APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.6 Ship APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.7 Ship APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.8 Ship APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.9 Ship APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.1 Manufacture and deliver APD Arrays - Near Detector (b4 and b	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.2 Test APD arrays - Near Detector (b4 and b5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.3 Procure additional heat sinks/housings - Near Detector (b4an	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.4 Assemble additional heat sinks/housings - Near Detector (b4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.5 Test additional heat sinks/housings - Near Detector (b4 and	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.1 Engineering run	BCWS	0	0	0	0	0	0	0	62,958	72,401	66,105	51,473
2.6.2.1.1.3.1.1.1 PCB design	BCWS	0	0	3,205	24,575	22,438	3,205	0	0	0	0	0
2.6.2.1.1.3.1.1.2 PCB layout	BCWS	0	0	0	0	11,466	2,023	0	0	0	0	0
2.6.2.1.1.3.1.1.3 Parts procurement	BCWS	0	0	0	0	0	8,687	965	0	0	0	0
2.6.2.1.1.3.1.1.4 PCB test/debug	BCWS	0	0	0	0	0	0	10,685	0	0	0	0
2.6.2.1.1.3.1.2.1 Program robot	BCWS	0	0	0	0	0	0	10,685	0	0	0	0
2.6.2.1.1.3.1.2.2 Setup/Fixture robot	BCWS	0	0	0	0	0	0	7,763	0	0	0	0
2.6.2.1.1.3.1.2.3 Develop test program	BCWS	0	0	0	0	0	0	0	21,370	21,370	0	0
2.6.2.1.1.3.2.1 Preproduction testing/analysis development	BCWS	0	0	0	0	0	0	0	0	3,205	18,164	0
2.6.2.1.1.3.2.2 Production testing and analysis	BCWS	0	0	0	0	0	0	0	0	0	4,274	23,515
2.6.2.1.1.3.2.3 Robot operation	BCWS	0	0	0	0	0	0	0	0	0	1,301	7,157
2.6.2.1.1.3.3 Documentation/final reports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.4 Oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.3 ADCs	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.6.1.3.0.1 Prepare documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.2 Prepare final design drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.3 Final assembly of test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.4 Commission test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.5 Install at testing site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.1 Ship APD modules-Block 1	BCWS	0	0	0	0	0	0	144	0	0	0	0
2.6.1.4.10 Ship APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.11 Ship APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.12 Ship APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.13 Ship APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.14 Ship APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.15 Ship APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.16 Ship APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.17 Ship APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.18 Ship APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.19 Ship APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.2 Ship APD modules-Block 2	BCWS	0	0	0	0	0	0	144	0	0	0	0
2.6.1.4.20 Ship APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.21 Ship APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.22 Ship APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.23 Ship APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.24 Ship APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.25 Ship APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.26 Ship APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.27 Ship APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.28 Ship APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.29 Ship APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.3 Ship APD modules-Block 3	BCWS	0	0	0	0	0	0	0	87	58	0	0
2.6.1.4.30 Ship APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.39 Ship APD modules to FNAL-Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.4 Ship APD modules-Block 4	BCWS	0	0	0	0	0	0	0	87	58	0	0
2.6.1.4.5 Ship APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	144	0
2.6.1.4.6 Ship APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	144	0
2.6.1.4.7 Ship APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	144
2.6.1.4.8 Ship APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	144
2.6.1.4.9 Ship APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.1 Manufacture and deliver APD Arrays - Near Detector (b4 and b	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.2 Test APD arrays - Near Detector (b4 and b5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.3 Procure additional heat sinks/housings - Near Detector (b4an	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.4 Assemble additional heat sinks/housings - Near Detector (b4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.5 Test additional heat sinks/housings - Near Detector (b4 and	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.1 Engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.1 PCB design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.2 PCB layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.3 Parts procurement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.4 PCB test/debug	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.1 Program robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.2 Setup/Fixture robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.3 Develop test program	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.1 Preproduction testing/analysis development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.2 Production testing and analysis	BCWS	16,797	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.3 Robot operation	BCWS	5,112	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.3 Documentation/final reports	BCWS	5,599	16,797	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.4 Oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.3 ADCs	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.6.1.3.0.1 Prepare documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.2 Prepare final design drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.3 Final assembly of test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.4 Commission test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.5 Install at testing site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.1 Ship APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.10 Ship APD modules-Block 10	BCWS	148	0	0	0	0	0	0	0	0	0	0
2.6.1.4.11 Ship APD modules-Block 11	BCWS	0	148	0	0	0	0	0	0	0	0	0
2.6.1.4.12 Ship APD modules-Block 12	BCWS	0	148	0	0	0	0	0	0	0	0	0
2.6.1.4.13 Ship APD modules-Block 13	BCWS	0	0	0	148	0	0	0	0	0	0	0
2.6.1.4.14 Ship APD modules-Block 14	BCWS	0	0	0	148	0	0	0	0	0	0	0
2.6.1.4.15 Ship APD modules-Block 15	BCWS	0	0	0	0	148	0	0	0	0	0	0
2.6.1.4.16 Ship APD modules-Block 16	BCWS	0	0	0	0	148	0	0	0	0	0	0
2.6.1.4.17 Ship APD modules-Block 17	BCWS	0	0	0	0	0	148	0	0	0	0	0
2.6.1.4.18 Ship APD modules-Block 18	BCWS	0	0	0	0	0	148	0	0	0	0	0
2.6.1.4.19 Ship APD modules-Block 19	BCWS	0	0	0	0	0	0	89	59	0	0	0
2.6.1.4.2 Ship APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.20 Ship APD modules-Block 20	BCWS	0	0	0	0	0	0	89	59	0	0	0
2.6.1.4.21 Ship APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	148	0	0
2.6.1.4.22 Ship APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	148	0	0
2.6.1.4.23 Ship APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	148	0
2.6.1.4.24 Ship APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	148	0
2.6.1.4.25 Ship APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	148
2.6.1.4.26 Ship APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	148
2.6.1.4.27 Ship APD modules-Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.28 Ship APD modules-Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.29 Ship APD modules-Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.3 Ship APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.30 Ship APD modules-Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.39 Ship APD modules to FNAL-Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.4 Ship APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.5 Ship APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.6 Ship APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.7 Ship APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.8 Ship APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.9 Ship APD modules-Block 9	BCWS	148	0	0	0	0	0	0	0	0	0	0
2.6.1.5.1 Manufacture and deliver APD Arrays - Near Detector (b4 and b	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.2 Test APD arrays - Near Detector (b4 and b5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.3 Procure additional heat sinks/housings - Near Detector (b4an	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.4 Assemble additional heat sinks/housings - Near Detector (b4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.5 Test additional heat sinks/housings - Near Detector (b4 and	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.1 Engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.1 PCB design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.2 PCB layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.3 Parts procurement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.4 PCB test/debug	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.1 Program robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.2 Setup/Fixture robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.3 Develop test program	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.1 Preproduction testing/analysis development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.2 Production testing and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.3 Robot operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.3 Documentation/final reports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.4 Oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.3 ADCs	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.6.1.3.0.1 Prepare documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.2 Prepare final design drawings	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.3 Final assembly of test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.4 Commission test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.3.0.5 Install at testing site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.1 Ship APD modules-Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.10 Ship APD modules-Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.11 Ship APD modules-Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.12 Ship APD modules-Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.13 Ship APD modules-Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.14 Ship APD modules-Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.15 Ship APD modules-Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.16 Ship APD modules-Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.17 Ship APD modules-Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.18 Ship APD modules-Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.19 Ship APD modules-Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.2 Ship APD modules-Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.20 Ship APD modules-Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.21 Ship APD modules-Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.22 Ship APD modules-Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.23 Ship APD modules-Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.24 Ship APD modules-Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.25 Ship APD modules-Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.26 Ship APD modules-Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.27 Ship APD modules-Block 27	BCWS	148	0	0	0	0	0	0	0	0	0	0
2.6.1.4.28 Ship APD modules-Block 28	BCWS	148	0	0	0	0	0	0	0	0	0	0
2.6.1.4.29 Ship APD modules-Block 29	BCWS	0	0	153	0	0	0	0	0	0	0	0
2.6.1.4.3 Ship APD modules-Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.30 Ship APD modules-Block 30	BCWS	0	0	153	0	0	0	0	0	0	0	0
2.6.1.4.39 Ship APD modules to FNAL-Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.4 Ship APD modules-Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.5 Ship APD modules-Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.6 Ship APD modules-Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.7 Ship APD modules-Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.8 Ship APD modules-Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.4.9 Ship APD modules-Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.1 Manufacture and deliver APD Arrays - Near Detector (b4 and b	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.2 Test APD arrays - Near Detector (b4 and b5)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.3 Procure additional heat sinks/housings - Near Detector (b4an	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.4 Assemble additional heat sinks/housings - Near Detector (b4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.1.5.5 Test additional heat sinks/housings - Near Detector (b4 and	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.1 Engineering run	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.1 PCB design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.2 PCB layout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.3 Parts procurement	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.1.4 PCB test/debug	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.1 Program robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.2 Setup/Fixture robot	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.1.2.3 Develop test program	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.1 Preproduction testing/analysis development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.2 Production testing and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.2.3 Robot operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.3 Documentation/final reports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.1.3.4 Oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.3 ADCs	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.6.1.3.0.1 Prepare documentation	BCWS	0	0	37,958
2.6.1.3.0.2 Prepare final design drawings	BCWS	0	0	37,958
2.6.1.3.0.3 Final assembly of test stand	BCWS	0	0	25,305
2.6.1.3.0.4 Commission test stand	BCWS	0	0	37,958
2.6.1.3.0.5 Install at testing site	BCWS	0	0	44,030
2.6.1.4.1 Ship APD modules-Block 1	BCWS	0	0	144
2.6.1.4.10 Ship APD modules-Block 10	BCWS	0	0	148
2.6.1.4.11 Ship APD modules-Block 11	BCWS	0	0	148
2.6.1.4.12 Ship APD modules-Block 12	BCWS	0	0	148
2.6.1.4.13 Ship APD modules-Block 13	BCWS	0	0	148
2.6.1.4.14 Ship APD modules-Block 14	BCWS	0	0	148
2.6.1.4.15 Ship APD modules-Block 15	BCWS	0	0	148
2.6.1.4.16 Ship APD modules-Block 16	BCWS	0	0	148
2.6.1.4.17 Ship APD modules-Block 17	BCWS	0	0	148
2.6.1.4.18 Ship APD modules-Block 18	BCWS	0	0	148
2.6.1.4.19 Ship APD modules-Block 19	BCWS	0	0	148
2.6.1.4.2 Ship APD modules-Block 2	BCWS	0	0	144
2.6.1.4.20 Ship APD modules-Block 20	BCWS	0	0	148
2.6.1.4.21 Ship APD modules-Block 21	BCWS	0	0	148
2.6.1.4.22 Ship APD modules-Block 22	BCWS	0	0	148
2.6.1.4.23 Ship APD modules-Block 23	BCWS	0	0	148
2.6.1.4.24 Ship APD modules-Block 24	BCWS	0	0	148
2.6.1.4.25 Ship APD modules-Block 25	BCWS	0	0	148
2.6.1.4.26 Ship APD modules-Block 26	BCWS	0	0	148
2.6.1.4.27 Ship APD modules-Block 27	BCWS	0	0	148
2.6.1.4.28 Ship APD modules-Block 28	BCWS	0	0	148
2.6.1.4.29 Ship APD modules-Block 29	BCWS	0	0	153
2.6.1.4.3 Ship APD modules-Block 3	BCWS	0	0	144
2.6.1.4.30 Ship APD modules-Block 30	BCWS	0	0	153
2.6.1.4.39 Ship APD modules to FNAL-Near Detector	BCWS	0	0	137
2.6.1.4.4 Ship APD modules-Block 4	BCWS	0	0	144
2.6.1.4.5 Ship APD modules-Block 5	BCWS	0	0	144
2.6.1.4.6 Ship APD modules-Block 6	BCWS	0	0	144
2.6.1.4.7 Ship APD modules-Block 7	BCWS	0	0	144
2.6.1.4.8 Ship APD modules-Block 8	BCWS	0	0	144
2.6.1.4.9 Ship APD modules-Block 9	BCWS	0	0	148
2.6.1.5.1 Manufacture and deliver APD Arrays - Near Detector (b4 and b	BCWS	0	0	324,800
2.6.1.5.2 Test APD arrays - Near Detector (b4 and b5)	BCWS	0	0	9,617
2.6.1.5.3 Procure additional heat sinks/housings - Near Detector (b4an	BCWS	0	0	17,533
2.6.1.5.4 Assemble additional heat sinks/housings - Near Detector (b4	BCWS	0	0	7,141
2.6.1.5.5 Test additional heat sinks/housings - Near Detector (b4 and	BCWS	0	0	4,463
2.6.2.1.1.1 Engineering run	BCWS	0	0	252,937
2.6.2.1.1.3.1.1.1 PCB design	BCWS	0	0	53,424
2.6.2.1.1.3.1.1.2 PCB layout	BCWS	0	0	13,489
2.6.2.1.1.3.1.1.3 Parts procurement	BCWS	0	0	9,652
2.6.2.1.1.3.1.1.4 PCB test/debug	BCWS	0	0	10,685
2.6.2.1.1.3.1.2.1 Program robot	BCWS	0	0	10,685
2.6.2.1.1.3.1.2.2 Setup/Fixture robot	BCWS	0	0	7,763
2.6.2.1.1.3.1.2.3 Develop test program	BCWS	0	0	42,739
2.6.2.1.1.3.2.1 Preproduction testing/analysis development	BCWS	0	0	21,370
2.6.2.1.1.3.2.2 Production testing and analysis	BCWS	0	0	44,586
2.6.2.1.1.3.2.3 Robot operation	BCWS	0	0	13,570
2.6.2.1.1.3.3 Documentation/final reports	BCWS	0	0	22,396
2.6.2.1.1.3.4 Oversight	BCWS	0	0	0
2.6.2.1.3 ADCs	BCWS	0	0	120,834

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.6.2.1.4 Commercial off-the-shelf items (COTs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.5 PC boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.6 Procure electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.1 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.2 Assemble TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.3 Test TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.1 PCB assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.2 Electronics box assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.3 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.4 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.4 Firmware maintenance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.1 Construct test stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.1 Develop code for QA/QC testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.2 Produce FEB database specification document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.2 Production testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.6 FEB production oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.1 Ship FEBs for blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.10 Ship FEBs for blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.11 Ship FEBs for blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.12 Ship FEBs for blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.13 Ship FEBs for blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.14 Ship FEBs for blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.15 Ship FEBs for blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.2 Ship FEBs for blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.3 Ship FEBs for blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.4 Ship FEBs for blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.5 Ship FEBs for blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.6 Ship FEBs for blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.7 Ship FEBs for blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.8 Ship FEBs for blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.9 Ship FEBs for blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.1 Final design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.10 Review pre-production near detector FEB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.3 Procure LV power supplies for FD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.4 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.5 Procure LV power supplies - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.1 Procure HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.2 Test HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.6.2.1.4 Commercial off-the-shelf items (COTs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.5 PC boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.6 Procure electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.1 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.2 Assemble TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.3 Test TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.1 PCB assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.2 Electronics box assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.3 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.4 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.4 Firmware maintenance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.1 Construct test stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.1 Develop code for QA/QC testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.2 Produce FEB database specification document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.2 Production testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.6 FEB production oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.1 Ship FEBs for blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.10 Ship FEBs for blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.11 Ship FEBs for blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.12 Ship FEBs for blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.13 Ship FEBs for blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.14 Ship FEBs for blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.15 Ship FEBs for blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.2 Ship FEBs for blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.3 Ship FEBs for blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.4 Ship FEBs for blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.5 Ship FEBs for blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.6 Ship FEBs for blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.7 Ship FEBs for blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.8 Ship FEBs for blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.9 Ship FEBs for blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.1 Final design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.10 Review pre-production near detector FEB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.3 Procure LV power supplies for FD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.4 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.5 Procure LV power supplies - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.1 Procure HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.2 Test HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.6.2.1.4 Commercial off-the-shelf items (COTs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.5 PC boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.6 Procure electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.1 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.2 Assemble TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.3 Test TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.1 PCB assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.2 Electronics box assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.3 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.4 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.4 Firmware maintenance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.1 Construct test stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.1 Develop code for QA/QC testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.2 Produce FEB database specification document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.2 Production testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.6 FEB production oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.1 Ship FEBs for blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.10 Ship FEBs for blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.11 Ship FEBs for blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.12 Ship FEBs for blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.13 Ship FEBs for blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.14 Ship FEBs for blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.15 Ship FEBs for blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.2 Ship FEBs for blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.3 Ship FEBs for blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.4 Ship FEBs for blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.5 Ship FEBs for blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.6 Ship FEBs for blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.7 Ship FEBs for blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.8 Ship FEBs for blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.9 Ship FEBs for blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.1 Final design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.10 Review pre-production near detector FEB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.3 Procure LV power supplies for FD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.4 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.5 Procure LV power supplies - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.1 Procure HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.2 Test HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.6.2.1.4 Commercial off-the-shelf items (COTs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.5 PC boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.6 Procure electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.1 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.2 Assemble TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.3 Test TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.1 PCB assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.2 Electronics box assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.3 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.4 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.4 Firmware maintenance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.1 Construct test stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.1 Develop code for QA/QC testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.2 Produce FEB database specification document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.2 Production testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.6 FEB production oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.1 Ship FEBs for blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.10 Ship FEBs for blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.11 Ship FEBs for blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.12 Ship FEBs for blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.13 Ship FEBs for blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.14 Ship FEBs for blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.15 Ship FEBs for blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.2 Ship FEBs for blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.3 Ship FEBs for blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.4 Ship FEBs for blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.5 Ship FEBs for blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.6 Ship FEBs for blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.7 Ship FEBs for blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.8 Ship FEBs for blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.9 Ship FEBs for blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.1 Final design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.10 Review pre-production near detector FEB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.3 Procure LV power supplies for FD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.4 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.5 Procure LV power supplies - ND	BCWS	0	0	0	0	0	0	0	0	0	2,434	2,318
2.6.3.2.1 Procure HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.2 Test HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.6.2.1.4 Commercial off-the-shelf items (COTs)	BCWS	0	0	32,533	249,423	227,734	227,734	130,134	0	0	0	0
2.6.2.1.5 PC boards	BCWS	0	0	7,289	55,883	51,024	51,024	29,156	0	0	0	0
2.6.2.1.6 Procure electronics box	BCWS	0	0	7,786	59,695	54,504	54,504	31,145	0	0	0	0
2.6.2.1.7.1 Procure components	BCWS	0	0	13,119	100,579	91,833	56,849	0	0	0	0	0
2.6.2.1.7.2 Assemble TEC controller modules	BCWS	0	0	0	0	0	7,070	19,442	17,674	8,837	0	0
2.6.2.1.7.3 Test TEC controller modules	BCWS	0	0	0	0	0	0	0	0	6,573	10,618	11,128
2.6.2.2.1 PCB assembly	BCWS	0	0	0	0	0	0	0	0	0	0	11,109
2.6.2.2.2 Electronics box assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.3 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.4 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.4 Firmware maintenance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.1 Construct test stands	BCWS	0	0	3,440	26,370	24,077	14,905	0	0	0	0	0
2.6.2.5.1.2.1 Develop code for QA/QC testing	BCWS	0	0	1,203	9,224	8,422	5,213	0	0	0	0	0
2.6.2.5.1.2.2 Produce FEB database specification document	BCWS	0	0	321	2,460	2,246	1,390	0	0	0	0	0
2.6.2.5.2 Production testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.6 FEB production oversight	BCWS	0	0	2,647	20,294	12,353	0	0	0	0	0	0
2.6.2.7.1 Ship FEBs for blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.10 Ship FEBs for blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.11 Ship FEBs for blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.12 Ship FEBs for blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.13 Ship FEBs for blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.14 Ship FEBs for blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.15 Ship FEBs for blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.2 Ship FEBs for blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.3 Ship FEBs for blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.4 Ship FEBs for blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.5 Ship FEBs for blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.6 Ship FEBs for blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.7 Ship FEBs for blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.8 Ship FEBs for blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.9 Ship FEBs for blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.1 Final design	BCWS	0	0	0	0	0	0	0	0	0	8,893	9,320
2.6.2.8.10 Review pre-production near detector FEB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	4,211	4,413
2.6.2.8.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	2,676	2,805
2.6.2.8.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	3,302	3,460
2.6.3.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.2 Procure relay racks	BCWS	0	0	30,141	34,662	25,620	0	0	0	0	0	0
2.6.3.1.3 Procure LV power supplies for FD	BCWS	0	0	704	810	739	28,075	121,052	110,047	126,554	115,549	50,617
2.6.3.1.4 Test LV power supplies	BCWS	0	0	0	0	0	1,690	7,436	6,760	7,774	7,098	7,438
2.6.3.1.5 Procure LV power supplies - ND	BCWS	2,318	2,086	0	0	0	0	0	0	0	0	0
2.6.3.2.1 Procure HV power supplies	BCWS	0	0	56,494	64,968	48,020	0	0	0	0	0	0
2.6.3.2.2 Test HV power supplies	BCWS	0	0	0	0	312	468	0	0	0	0	0
2.6.3.3.1 Procure PDB to FEB cables	BCWS	0	0	70,916	81,554	24,821	0	0	0	0	0	0
2.6.3.3.2 Procure LV supply to PDB cables	BCWS	0	0	18,372	21,128	6,430	0	0	0	0	0	0
2.6.3.3.3 Procure LV supply sense cables	BCWS	0	0	1,605	1,846	1,364	0	0	0	0	0	0
2.6.3.3.4 Procure HV supply to PDB cables	BCWS	0	0	11,738	5,869	0	0	0	0	0	0	0
2.6.3.3.5 Procure PDB to DCM cables	BCWS	0	0	2,110	0	0	0	0	0	0	0	0
2.6.3.3.6 Procure ground cables	BCWS	0	0	5,080	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.6.2.1.4 Commercial off-the-shelf items (COTs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.5 PC boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.6 Procure electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.1 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.2 Assemble TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.3 Test TEC controller modules	BCWS	10,598	10,068	3,179	0	0	0	0	0	0	0	0
2.6.2.2.1 PCB assembly	BCWS	44,438	42,216	44,438	46,660	42,216	0	0	0	0	0	0
2.6.2.2.2 Electronics box assembly	BCWS	2,499	9,497	9,997	10,497	10,997	8,498	0	0	0	0	0
2.6.2.3.2 Fabricate PCB	BCWS	0	0	0	0	0	2,668	14,674	2,668	0	0	0
2.6.2.3.3 Assemble	BCWS	0	0	0	0	0	0	0	16,446	2,902	0	0
2.6.2.3.4 Test	BCWS	0	0	0	0	0	0	0	0	8,846	5,897	0
2.6.2.4 Firmware maintenance	BCWS	0	0	1,617	8,487	8,891	8,487	8,891	5,658	0	0	0
2.6.2.5.1.1 Construct test stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.1 Develop code for QA/QC testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.2 Produce FEB database specification document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.2 Production testing	BCWS	0	1,480	7,402	7,772	8,142	7,772	5,921	0	0	0	0
2.6.2.6 FEB production oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.1 Ship FEBs for blocks 1-2	BCWS	0	0	0	0	0	0	801	0	0	0	0
2.6.2.7.10 Ship FEBs for blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.11 Ship FEBs for blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.12 Ship FEBs for blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.13 Ship FEBs for blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.14 Ship FEBs for blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.15 Ship FEBs for blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.2 Ship FEBs for blocks 3-4	BCWS	0	0	0	0	0	0	0	480	320	0	0
2.6.2.7.3 Ship FEBs for blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	801	0
2.6.2.7.4 Ship FEBs for blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	801
2.6.2.7.5 Ship FEBs for blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.6 Ship FEBs for blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.7 Ship FEBs for blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.8 Ship FEBs for blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.9 Ship FEBs for blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.1 Final design	BCWS	3,550	0	0	0	0	0	0	0	0	0	0
2.6.2.8.10 Review pre-production near detector FEB	BCWS	0	0	0	0	1,700	0	0	0	0	0	0
2.6.2.8.2 Fabricate PCB	BCWS	667	445	0	0	0	0	0	0	0	0	0
2.6.2.8.3 Procure parts	BCWS	667	445	0	0	0	0	0	0	0	0	0
2.6.2.8.4 Assemble	BCWS	0	2,673	0	0	0	0	0	0	0	0	0
2.6.2.8.5 Develop firmware	BCWS	3,783	0	0	0	0	0	0	0	0	0	0
2.6.2.8.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.7 Test	BCWS	0	0	1,451	30,461	4,352	0	0	0	0	0	0
2.6.2.8.8 Documentation	BCWS	2,671	2,538	2,671	2,805	401	0	0	0	0	0	0
2.6.2.8.9 Administration	BCWS	3,295	3,131	3,295	3,460	494	0	0	0	0	0	0
2.6.3.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.3 Procure LV power supplies for FD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.4 Test LV power supplies	BCWS	2,834	0	0	0	0	0	0	0	0	0	0
2.6.3.1.5 Procure LV power supplies - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.1 Procure HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.2 Test HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.6.2.1.4 Commercial off-the-shelf items (COTs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.5 PC boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.6 Procure electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.1 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.2 Assemble TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.3 Test TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.1 PCB assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.2 Electronics box assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.3 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.4 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.4 Firmware maintenance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.1 Construct test stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.1 Develop code for QA/QC testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.2 Produce FEB database specification document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.2 Production testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.6 FEB production oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.1 Ship FEBs for blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.10 Ship FEBs for blocks 19-20	BCWS	0	0	0	0	0	0	493	329	0	0	0
2.6.2.7.11 Ship FEBs for blocks 21-22	BCWS	0	0	0	0	0	0	0	0	822	0	0
2.6.2.7.12 Ship FEBs for blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	822	0
2.6.2.7.13 Ship FEBs for blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	822
2.6.2.7.14 Ship FEBs for blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.15 Ship FEBs for blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.2 Ship FEBs for blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.3 Ship FEBs for blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.4 Ship FEBs for blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.5 Ship FEBs for blocks 9-10	BCWS	822	0	0	0	0	0	0	0	0	0	0
2.6.2.7.6 Ship FEBs for blocks 11-12	BCWS	0	822	0	0	0	0	0	0	0	0	0
2.6.2.7.7 Ship FEBs for blocks 13-14	BCWS	0	0	0	822	0	0	0	0	0	0	0
2.6.2.7.8 Ship FEBs for blocks 15-16	BCWS	0	0	0	0	822	0	0	0	0	0	0
2.6.2.7.9 Ship FEBs for blocks 17-18	BCWS	0	0	0	0	0	822	0	0	0	0	0
2.6.2.8.1 Final design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.10 Review pre-production near detector FEB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.3 Procure LV power supplies for FD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.4 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.5 Procure LV power supplies - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.1 Procure HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.2 Test HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.6.2.1.4 Commercial off-the-shelf items (COTs)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.5 PC boards	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.6 Procure electronics box	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.1 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.2 Assemble TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.1.7.3 Test TEC controller modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.1 PCB assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.2.2 Electronics box assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.3 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.3.4 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.4 Firmware maintenance	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.1 Construct test stands	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.1 Develop code for QA/QC testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.1.2.2 Produce FEB database specification document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.5.2 Production testing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.6 FEB production oversight	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.1 Ship FEBs for blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.10 Ship FEBs for blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.11 Ship FEBs for blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.12 Ship FEBs for blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.13 Ship FEBs for blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.14 Ship FEBs for blocks 27-28	BCWS	822	0	0	0	0	0	0	0	0	0	0
2.6.2.7.15 Ship FEBs for blocks 29-30	BCWS	0	0	844	0	0	0	0	0	0	0	0
2.6.2.7.2 Ship FEBs for blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.3 Ship FEBs for blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.4 Ship FEBs for blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.5 Ship FEBs for blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.6 Ship FEBs for blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.7 Ship FEBs for blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.8 Ship FEBs for blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.7.9 Ship FEBs for blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.1 Final design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.10 Review pre-production near detector FEB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.2 Fabricate PCB	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.3 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.4 Assemble	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.5 Develop firmware	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.6 Develop software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.7 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.8 Documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.2.8.9 Administration	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.1 Specify relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.2 Procure relay racks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.3 Procure LV power supplies for FD	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.4 Test LV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.1.5 Procure LV power supplies - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.1 Procure HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.2.2 Test HV power supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.1 Procure PDB to FEB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.2 Procure LV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.3 Procure LV supply sense cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.4 Procure HV supply to PDB cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.5 Procure PDB to DCM cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.6 Procure ground cables	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
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WP[20]		AUG14	SEP14	Cumulative
2.6.2.1.4 Commercial off-the-shelf items (COTs)	BCWS	0	0	867,560
2.6.2.1.5 PC boards	BCWS	0	0	194,376
2.6.2.1.6 Procure electronics box	BCWS	0	0	207,634
2.6.2.1.7.1 Procure components	BCWS	0	0	262,380
2.6.2.1.7.2 Assemble TEC controller modules	BCWS	0	0	53,023
2.6.2.1.7.3 Test TEC controller modules	BCWS	0	0	52,165
2.6.2.2.1 PCB assembly	BCWS	0	0	231,076
2.6.2.2.2 Electronics box assembly	BCWS	0	0	51,986
2.6.2.3.2 Fabricate PCB	BCWS	0	0	20,011
2.6.2.3.3 Assemble	BCWS	0	0	19,348
2.6.2.3.4 Test	BCWS	0	0	14,743
2.6.2.4 Firmware maintenance	BCWS	0	0	42,030
2.6.2.5.1.1 Construct test stands	BCWS	0	0	68,791
2.6.2.5.1.2.1 Develop code for QA/QC testing	BCWS	0	0	24,062
2.6.2.5.1.2.2 Produce FEB database specification document	BCWS	0	0	6,417
2.6.2.5.2 Production testing	BCWS	0	0	38,489
2.6.2.6 FEB production oversight	BCWS	0	0	35,294
2.6.2.7.1 Ship FEBs for blocks 1-2	BCWS	0	0	801
2.6.2.7.10 Ship FEBs for blocks 19-20	BCWS	0	0	822
2.6.2.7.11 Ship FEBs for blocks 21-22	BCWS	0	0	822
2.6.2.7.12 Ship FEBs for blocks 23-24	BCWS	0	0	822
2.6.2.7.13 Ship FEBs for blocks 25-26	BCWS	0	0	822
2.6.2.7.14 Ship FEBs for blocks 27-28	BCWS	0	0	822
2.6.2.7.15 Ship FEBs for blocks 29-30	BCWS	0	0	844
2.6.2.7.2 Ship FEBs for blocks 3-4	BCWS	0	0	801
2.6.2.7.3 Ship FEBs for blocks 5-6	BCWS	0	0	801
2.6.2.7.4 Ship FEBs for blocks 7-8	BCWS	0	0	801
2.6.2.7.5 Ship FEBs for blocks 9-10	BCWS	0	0	822
2.6.2.7.6 Ship FEBs for blocks 11-12	BCWS	0	0	822
2.6.2.7.7 Ship FEBs for blocks 13-14	BCWS	0	0	822
2.6.2.7.8 Ship FEBs for blocks 15-16	BCWS	0	0	822
2.6.2.7.9 Ship FEBs for blocks 17-18	BCWS	0	0	822
2.6.2.8.1 Final design	BCWS	0	0	21,764
2.6.2.8.10 Review pre-production near detector FEB	BCWS	0	0	1,700
2.6.2.8.2 Fabricate PCB	BCWS	0	0	1,112
2.6.2.8.3 Procure parts	BCWS	0	0	1,112
2.6.2.8.4 Assemble	BCWS	0	0	2,673
2.6.2.8.5 Develop firmware	BCWS	0	0	12,407
2.6.2.8.6 Develop software	BCWS	0	0	0
2.6.2.8.7 Test	BCWS	0	0	36,263
2.6.2.8.8 Documentation	BCWS	0	0	16,566
2.6.2.8.9 Administration	BCWS	0	0	20,437
2.6.3.1.1 Specify relay racks	BCWS	0	0	0
2.6.3.1.2 Procure relay racks	BCWS	0	0	90,423
2.6.3.1.3 Procure LV power supplies for FD	BCWS	0	0	554,148
2.6.3.1.4 Test LV power supplies	BCWS	0	0	41,029
2.6.3.1.5 Procure LV power supplies - ND	BCWS	0	0	9,155
2.6.3.2.1 Procure HV power supplies	BCWS	0	0	169,481
2.6.3.2.2 Test HV power supplies	BCWS	0	0	780
2.6.3.3.1 Procure PDB to FEB cables	BCWS	0	0	177,291
2.6.3.3.2 Procure LV supply to PDB cables	BCWS	0	0	45,929
2.6.3.3.3 Procure LV supply sense cables	BCWS	0	0	4,816
2.6.3.3.4 Procure HV supply to PDB cables	BCWS	0	0	17,607
2.6.3.3.5 Procure PDB to DCM cables	BCWS	0	0	2,110
2.6.3.3.6 Procure ground cables	BCWS	0	0	5,080

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.6.3.3.7 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.8 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.9 Procure remaining ND cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.2 Assemble and test PDB's	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.3 Procure PDB parts - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.1 Procure manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.10 Procure manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.11 Procure manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.12 Procure manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.13 Procure manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.14 Procure manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.15 Procure manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.16 Procure manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.17 Procure manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.18 Procure manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.19 Procure manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.2 Procure manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.20 Procure manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.21 Procure manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.22 Procure manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.23 Procure manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.24 Procure manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.25 Procure manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.26 Procure manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.27 Procure manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.28 Procure manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.29 Procure manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.3 Procure manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.30 Procure manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.4 Procure manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.5 Procure manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.6 Procure manifolds - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.7 Procure manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.8 Procure manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.9 Procure manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.34 Procure manifolds - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.1 Ship manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.10 Ship manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.11 Ship manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.12 Ship manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.13 Ship manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.14 Ship manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.15 Ship manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.16 Ship manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.17 Ship manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.18 Ship manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.19 Ship manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.2 Ship manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.20 Ship manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.21 Ship manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.22 Ship manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.23 Ship manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.24 Ship manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.25 Ship manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.6.3.3.7 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.8 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.9 Procure remaining ND cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.2 Assemble and test PDB's	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.3 Procure PDB parts - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.1 Procure manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.10 Procure manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.11 Procure manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.12 Procure manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.13 Procure manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.14 Procure manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.15 Procure manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.16 Procure manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.17 Procure manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.18 Procure manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.19 Procure manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.2 Procure manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.20 Procure manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.21 Procure manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.22 Procure manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.23 Procure manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.24 Procure manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.25 Procure manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.26 Procure manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.27 Procure manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.28 Procure manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.29 Procure manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.3 Procure manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.30 Procure manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.4 Procure manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.5 Procure manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.6 Procure manifolds - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.7 Procure manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.8 Procure manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.9 Procure manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.34 Procure manifolds - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.1 Ship manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.10 Ship manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.11 Ship manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.12 Ship manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.13 Ship manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.14 Ship manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.15 Ship manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.16 Ship manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.17 Ship manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.18 Ship manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.19 Ship manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.2 Ship manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.20 Ship manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.21 Ship manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.22 Ship manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.23 Ship manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.24 Ship manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.25 Ship manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.6.3.3.7 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.8 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.9 Procure remaining ND cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.2 Assemble and test PDB's	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.3 Procure PDB parts - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.1 Procure manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.10 Procure manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.11 Procure manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.12 Procure manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.13 Procure manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.14 Procure manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.15 Procure manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.16 Procure manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.17 Procure manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.18 Procure manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.19 Procure manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.2 Procure manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.20 Procure manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.21 Procure manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.22 Procure manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.23 Procure manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.24 Procure manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.25 Procure manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.26 Procure manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.27 Procure manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.28 Procure manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.29 Procure manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.3 Procure manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.30 Procure manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.4 Procure manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.5 Procure manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.6 Procure manifolds - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.7 Procure manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.8 Procure manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.9 Procure manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.34 Procure manifolds - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.1 Ship manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.10 Ship manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.11 Ship manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.12 Ship manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.13 Ship manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.14 Ship manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.15 Ship manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.16 Ship manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.17 Ship manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.18 Ship manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.19 Ship manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.2 Ship manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.20 Ship manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.21 Ship manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.22 Ship manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.23 Ship manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.24 Ship manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.25 Ship manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.6.3.3.7 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	460	438
2.6.3.3.8 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.9 Procure remaining ND cables	BCWS	0	0	0	0	0	0	0	0	0	8,702	0
2.6.3.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.2 Assemble and test PDB's	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.3 Procure PDB parts - ND	BCWS	0	0	0	0	0	0	0	0	0	11,422	10,878
2.6.3.5.1.1.1 Procure manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.10 Procure manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.11 Procure manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.12 Procure manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.13 Procure manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.14 Procure manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.15 Procure manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.16 Procure manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.17 Procure manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.18 Procure manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.19 Procure manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.2 Procure manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.20 Procure manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.21 Procure manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.22 Procure manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.23 Procure manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.24 Procure manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.25 Procure manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.26 Procure manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.27 Procure manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.28 Procure manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.29 Procure manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.3 Procure manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.30 Procure manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.4 Procure manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.5 Procure manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.6 Procure manifolds - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.7 Procure manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.8 Procure manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.9 Procure manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.34 Procure manifolds - ND	BCWS	0	0	0	0	0	0	0	0	0	22,844	9,790
2.6.3.5.1.2.1 Ship manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.10 Ship manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.11 Ship manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.12 Ship manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.13 Ship manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.14 Ship manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.15 Ship manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.16 Ship manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.17 Ship manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.18 Ship manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.19 Ship manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.2 Ship manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.20 Ship manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.21 Ship manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.22 Ship manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.23 Ship manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.24 Ship manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.25 Ship manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.6.3.3.7 Specify cable trays	BCWS	438	416	197	0	0	0	0	0	0	0	0
2.6.3.3.8 Procure cable trays	BCWS	0	0	0	0	0	3,447	3,611	3,283	3,775	3,447	3,523
2.6.3.3.9 Procure remaining ND cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.1 Procure PDB parts	BCWS	0	0	133,014	152,966	113,062	0	0	0	0	0	0
2.6.3.4.2 Assemble and test PDB's	BCWS	0	0	0	0	1,342	7,043	7,378	6,708	7,714	7,043	7,381
2.6.3.4.3 Procure PDB parts - ND	BCWS	10,334	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.1 Procure manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.10 Procure manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.11 Procure manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.12 Procure manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.13 Procure manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.14 Procure manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.15 Procure manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.16 Procure manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.17 Procure manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.18 Procure manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.19 Procure manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.2 Procure manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.20 Procure manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.21 Procure manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.22 Procure manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.23 Procure manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.24 Procure manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.25 Procure manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.26 Procure manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.27 Procure manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.28 Procure manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.29 Procure manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.3 Procure manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.30 Procure manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.4 Procure manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.5 Procure manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.6 Procure manifolds - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.7 Procure manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.8 Procure manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.9 Procure manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.34 Procure manifolds - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.1 Ship manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.10 Ship manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.11 Ship manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.12 Ship manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.13 Ship manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.14 Ship manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.15 Ship manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.16 Ship manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.17 Ship manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.18 Ship manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.19 Ship manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.2 Ship manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.20 Ship manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.21 Ship manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.22 Ship manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.23 Ship manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.24 Ship manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.25 Ship manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.6.3.3.7 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.8 Procure cable trays	BCWS	3,355	3,187	3,355	3,523	3,690	3,523	3,690	3,523	3,523	3,858	3,187
2.6.3.3.9 Procure remaining ND cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.2 Assemble and test PDB's	BCWS	7,030	6,678	7,030	7,381	7,733	5,624	0	0	0	0	0
2.6.3.4.3 Procure PDB parts - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.1 Procure manifolds - Block 1	BCWS	0	13,948	17,047	0	0	0	0	0	0	0	0
2.6.3.5.1.1.10 Procure manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	30,995	0
2.6.3.5.1.1.11 Procure manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	12,398	18,597
2.6.3.5.1.1.12 Procure manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	21,697
2.6.3.5.1.1.13 Procure manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	1,550
2.6.3.5.1.1.14 Procure manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.15 Procure manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.16 Procure manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.17 Procure manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.18 Procure manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.19 Procure manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.2 Procure manifolds - Block 2	BCWS	0	0	0	17,047	13,948	0	0	0	0	0	0
2.6.3.5.1.1.20 Procure manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.21 Procure manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.22 Procure manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.23 Procure manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.24 Procure manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.25 Procure manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.26 Procure manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.27 Procure manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.28 Procure manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.29 Procure manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.3 Procure manifolds - Block 3	BCWS	0	0	0	0	6,199	24,796	0	0	0	0	0
2.6.3.5.1.1.30 Procure manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.4 Procure manifolds - Block 4	BCWS	0	0	0	0	0	18,597	12,398	0	0	0	0
2.6.3.5.1.1.5 Procure manifolds - Block 5	BCWS	0	0	0	0	0	0	30,995	0	0	0	0
2.6.3.5.1.1.6 Procure manifolds - Block 6	BCWS	0	0	0	0	0	0	12,398	18,597	0	0	0
2.6.3.5.1.1.7 Procure manifolds - Block 7	BCWS	0	0	0	0	0	0	0	24,796	6,199	0	0
2.6.3.5.1.1.8 Procure manifolds - Block 8	BCWS	0	0	0	0	0	0	0	4,649	26,346	0	0
2.6.3.5.1.1.9 Procure manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	17,047	13,948	0
2.6.3.5.1.1.34 Procure manifolds - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.1 Ship manifolds - Block 1	BCWS	0	0	1,899	211	0	0	0	0	0	0	0
2.6.3.5.1.2.10 Ship manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	211	1,899
2.6.3.5.1.2.11 Ship manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	1,477
2.6.3.5.1.2.12 Ship manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.13 Ship manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.14 Ship manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.15 Ship manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.16 Ship manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.17 Ship manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.18 Ship manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.19 Ship manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.2 Ship manifolds - Block 2	BCWS	0	0	0	0	2,110	0	0	0	0	0	0
2.6.3.5.1.2.20 Ship manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.21 Ship manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.22 Ship manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.23 Ship manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.24 Ship manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.25 Ship manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.6.3.3.7 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.8 Procure cable trays	BCWS	3,086	0	0	0	0	0	0	0	0	0	0
2.6.3.3.9 Procure remaining ND cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.2 Assemble and test PDB's	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.3 Procure PDB parts - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.1 Procure manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.10 Procure manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.11 Procure manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.12 Procure manifolds - Block 12	BCWS	9,504	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.13 Procure manifolds - Block 13	BCWS	30,094	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.14 Procure manifolds - Block 14	BCWS	17,423	14,255	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.15 Procure manifolds - Block 15	BCWS	0	28,511	3,168	0	0	0	0	0	0	0	0
2.6.3.5.1.1.16 Procure manifolds - Block 16	BCWS	0	7,920	23,759	0	0	0	0	0	0	0	0
2.6.3.5.1.1.17 Procure manifolds - Block 17	BCWS	0	0	15,839	15,839	0	0	0	0	0	0	0
2.6.3.5.1.1.18 Procure manifolds - Block 18	BCWS	0	0	0	28,511	3,168	0	0	0	0	0	0
2.6.3.5.1.1.19 Procure manifolds - Block 19	BCWS	0	0	0	7,920	23,759	0	0	0	0	0	0
2.6.3.5.1.1.2 Procure manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.20 Procure manifolds - Block 20	BCWS	0	0	0	0	19,007	12,671	0	0	0	0	0
2.6.3.5.1.1.21 Procure manifolds - Block 21	BCWS	0	0	0	0	0	31,678	0	0	0	0	0
2.6.3.5.1.1.22 Procure manifolds - Block 22	BCWS	0	0	0	0	0	11,087	20,591	0	0	0	0
2.6.3.5.1.1.23 Procure manifolds - Block 23	BCWS	0	0	0	0	0	0	25,343	6,336	0	0	0
2.6.3.5.1.1.24 Procure manifolds - Block 24	BCWS	0	0	0	0	0	0	4,752	26,927	0	0	0
2.6.3.5.1.1.25 Procure manifolds - Block 25	BCWS	0	0	0	0	0	0	0	19,007	12,671	0	0
2.6.3.5.1.1.26 Procure manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	30,094	1,584	0
2.6.3.5.1.1.27 Procure manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	9,504	22,175	0
2.6.3.5.1.1.28 Procure manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	23,759	7,920
2.6.3.5.1.1.29 Procure manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	3,168	28,511
2.6.3.5.1.1.3 Procure manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.30 Procure manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	17,423
2.6.3.5.1.1.4 Procure manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.5 Procure manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.6 Procure manifolds - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.7 Procure manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.8 Procure manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.9 Procure manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.34 Procure manifolds - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.1 Ship manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.10 Ship manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.11 Ship manifolds - Block 11	BCWS	647	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.12 Ship manifolds - Block 12	BCWS	2,157	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.13 Ship manifolds - Block 13	BCWS	863	1,294	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.14 Ship manifolds - Block 14	BCWS	0	2,157	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.15 Ship manifolds - Block 15	BCWS	0	0	2,157	0	0	0	0	0	0	0	0
2.6.3.5.1.2.16 Ship manifolds - Block 16	BCWS	0	0	647	1,510	0	0	0	0	0	0	0
2.6.3.5.1.2.17 Ship manifolds - Block 17	BCWS	0	0	0	2,157	0	0	0	0	0	0	0
2.6.3.5.1.2.18 Ship manifolds - Block 18	BCWS	0	0	0	0	2,157	0	0	0	0	0	0
2.6.3.5.1.2.19 Ship manifolds - Block 19	BCWS	0	0	0	0	1,078	1,078	0	0	0	0	0
2.6.3.5.1.2.2 Ship manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.20 Ship manifolds - Block 20	BCWS	0	0	0	0	0	2,157	0	0	0	0	0
2.6.3.5.1.2.21 Ship manifolds - Block 21	BCWS	0	0	0	0	0	0	2,157	0	0	0	0
2.6.3.5.1.2.22 Ship manifolds - Block 22	BCWS	0	0	0	0	0	0	1,941	216	0	0	0
2.6.3.5.1.2.23 Ship manifolds - Block 23	BCWS	0	0	0	0	0	0	0	2,157	0	0	0
2.6.3.5.1.2.24 Ship manifolds - Block 24	BCWS	0	0	0	0	0	0	0	1,078	1,078	0	0
2.6.3.5.1.2.25 Ship manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	2,157	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.6.3.3.7 Specify cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.8 Procure cable trays	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.3.9 Procure remaining ND cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.1 Procure PDB parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.2 Assemble and test PDB's	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.4.3 Procure PDB parts - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.1 Procure manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.10 Procure manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.11 Procure manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.12 Procure manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.13 Procure manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.14 Procure manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.15 Procure manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.16 Procure manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.17 Procure manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.18 Procure manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.19 Procure manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.2 Procure manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.20 Procure manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.21 Procure manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.22 Procure manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.23 Procure manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.24 Procure manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.25 Procure manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.26 Procure manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.27 Procure manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.28 Procure manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.29 Procure manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.3 Procure manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.30 Procure manifolds - Block 30	BCWS	14,255	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.4 Procure manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.5 Procure manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.6 Procure manifolds - Block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.7 Procure manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.8 Procure manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.9 Procure manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.1.34 Procure manifolds - ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.1 Ship manifolds - Block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.10 Ship manifolds - Block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.11 Ship manifolds - Block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.12 Ship manifolds - Block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.13 Ship manifolds - Block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.14 Ship manifolds - Block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.15 Ship manifolds - Block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.16 Ship manifolds - Block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.17 Ship manifolds - Block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.18 Ship manifolds - Block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.19 Ship manifolds - Block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.2 Ship manifolds - Block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.20 Ship manifolds - Block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.21 Ship manifolds - Block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.22 Ship manifolds - Block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.23 Ship manifolds - Block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.24 Ship manifolds - Block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.25 Ship manifolds - Block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.6.3.3.7 Specify cable trays	BCWS	0	0	1,950
2.6.3.3.8 Procure cable trays	BCWS	0	0	62,584
2.6.3.3.9 Procure remaining ND cables	BCWS	0	0	8,702
2.6.3.4.1 Procure PDB parts	BCWS	0	0	399,043
2.6.3.4.2 Assemble and test PDB's	BCWS	0	0	86,084
2.6.3.4.3 Procure PDB parts - ND	BCWS	0	0	32,634
2.6.3.5.1.1.1 Procure manifolds - Block 1	BCWS	0	0	30,995
2.6.3.5.1.1.10 Procure manifolds - Block 10	BCWS	0	0	30,995
2.6.3.5.1.1.11 Procure manifolds - Block 11	BCWS	0	0	30,995
2.6.3.5.1.1.12 Procure manifolds - Block 12	BCWS	0	0	31,200
2.6.3.5.1.1.13 Procure manifolds - Block 13	BCWS	0	0	31,644
2.6.3.5.1.1.14 Procure manifolds - Block 14	BCWS	0	0	31,678
2.6.3.5.1.1.15 Procure manifolds - Block 15	BCWS	0	0	31,678
2.6.3.5.1.1.16 Procure manifolds - Block 16	BCWS	0	0	31,678
2.6.3.5.1.1.17 Procure manifolds - Block 17	BCWS	0	0	31,678
2.6.3.5.1.1.18 Procure manifolds - Block 18	BCWS	0	0	31,678
2.6.3.5.1.1.19 Procure manifolds - Block 19	BCWS	0	0	31,678
2.6.3.5.1.1.2 Procure manifolds - Block 2	BCWS	0	0	30,995
2.6.3.5.1.1.20 Procure manifolds - Block 20	BCWS	0	0	31,678
2.6.3.5.1.1.21 Procure manifolds - Block 21	BCWS	0	0	31,678
2.6.3.5.1.1.22 Procure manifolds - Block 22	BCWS	0	0	31,678
2.6.3.5.1.1.23 Procure manifolds - Block 23	BCWS	0	0	31,678
2.6.3.5.1.1.24 Procure manifolds - Block 24	BCWS	0	0	31,678
2.6.3.5.1.1.25 Procure manifolds - Block 25	BCWS	0	0	31,678
2.6.3.5.1.1.26 Procure manifolds - Block 26	BCWS	0	0	31,678
2.6.3.5.1.1.27 Procure manifolds - Block 27	BCWS	0	0	31,678
2.6.3.5.1.1.28 Procure manifolds - Block 28	BCWS	0	0	31,678
2.6.3.5.1.1.29 Procure manifolds - Block 29	BCWS	0	0	31,678
2.6.3.5.1.1.3 Procure manifolds - Block 3	BCWS	0	0	30,995
2.6.3.5.1.1.30 Procure manifolds - Block 30	BCWS	0	0	31,678
2.6.3.5.1.1.4 Procure manifolds - Block 4	BCWS	0	0	30,995
2.6.3.5.1.1.5 Procure manifolds - Block 5	BCWS	0	0	30,995
2.6.3.5.1.1.6 Procure manifolds - Block 6	BCWS	0	0	30,995
2.6.3.5.1.1.7 Procure manifolds - Block 7	BCWS	0	0	30,995
2.6.3.5.1.1.8 Procure manifolds - Block 8	BCWS	0	0	30,995
2.6.3.5.1.1.9 Procure manifolds - Block 9	BCWS	0	0	30,995
2.6.3.5.1.1.34 Procure manifolds - ND	BCWS	0	0	32,634
2.6.3.5.1.2.1 Ship manifolds - Block 1	BCWS	0	0	2,110
2.6.3.5.1.2.10 Ship manifolds - Block 10	BCWS	0	0	2,110
2.6.3.5.1.2.11 Ship manifolds - Block 11	BCWS	0	0	2,124
2.6.3.5.1.2.12 Ship manifolds - Block 12	BCWS	0	0	2,157
2.6.3.5.1.2.13 Ship manifolds - Block 13	BCWS	0	0	2,157
2.6.3.5.1.2.14 Ship manifolds - Block 14	BCWS	0	0	2,157
2.6.3.5.1.2.15 Ship manifolds - Block 15	BCWS	0	0	2,157
2.6.3.5.1.2.16 Ship manifolds - Block 16	BCWS	0	0	2,157
2.6.3.5.1.2.17 Ship manifolds - Block 17	BCWS	0	0	2,157
2.6.3.5.1.2.18 Ship manifolds - Block 18	BCWS	0	0	2,157
2.6.3.5.1.2.19 Ship manifolds - Block 19	BCWS	0	0	2,157
2.6.3.5.1.2.2 Ship manifolds - Block 2	BCWS	0	0	2,110
2.6.3.5.1.2.20 Ship manifolds - Block 20	BCWS	0	0	2,157
2.6.3.5.1.2.21 Ship manifolds - Block 21	BCWS	0	0	2,157
2.6.3.5.1.2.22 Ship manifolds - Block 22	BCWS	0	0	2,157
2.6.3.5.1.2.23 Ship manifolds - Block 23	BCWS	0	0	2,157
2.6.3.5.1.2.24 Ship manifolds - Block 24	BCWS	0	0	2,157
2.6.3.5.1.2.25 Ship manifolds - Block 25	BCWS	0	0	2,157

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.6.3.5.1.2.26 Ship manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.27 Ship manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.28 Ship manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.29 Ship manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.3 Ship manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.30 Ship manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.4 Ship manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.5 Ship manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.6 Ship manifolds - Block6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.7 Ship manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.8 Ship manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.9 Ship manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.3 Commission	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.1 Ship first third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.2 Ship second third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.3 Ship final third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.4 Ship near detector power distribution system to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.7 Materials and supplies - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.1 Develop error handling system client interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.3 Update error handling system user documentation for second	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.4 Perform error handling system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.7 Improve first release functionality	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.10 Integrate configuration management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.8 Add remote logging with DDS for error handling system-seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.9 Write GUI for error handling system -first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.11 Add partition support to error handler	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.1 Develop error handling system automatic error recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.3 Update error handling system user documentation for third	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.4 Perform error handling system tests and verification for t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.3 General database administration and support - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.4 General database administration and support - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.5 General database administration and support - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.6.3.5.1.2.26 Ship manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.27 Ship manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.28 Ship manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.29 Ship manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.3 Ship manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.30 Ship manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.4 Ship manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.5 Ship manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.6 Ship manifolds - Block6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.7 Ship manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.8 Ship manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.9 Ship manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.3 Commission	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.1 Ship first third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.2 Ship second third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.3 Ship final third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.4 Ship near detector power distribution system to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.7 Materials and supplies - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.1 Develop error handling system client interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.3 Update error handling system user documentation for second	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.4 Perform error handling system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.7 Improve first release functionality	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.10 Integrate configuration management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.8 Add remote logging with DDS for error handling system-seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.9 Write GUI for error handling system -first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.11 Add partition support to error handler	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.1 Develop error handling system automatic error recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.3 Update error handling system user documentation for third	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.4 Perform error handling system tests and verification for t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.3 General database administration and support - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.4 General database administration and support - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.5 General database administration and support - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.6.3.5.1.2.26 Ship manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.27 Ship manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.28 Ship manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.29 Ship manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.3 Ship manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.30 Ship manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.4 Ship manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.5 Ship manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.6 Ship manifolds - Block6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.7 Ship manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.8 Ship manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.9 Ship manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.3 Commission	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.1 Ship first third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.2 Ship second third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.3 Ship final third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.4 Ship near detector power distribution system to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.2 Travel	BCWS	751	826	826	751	826	826	789	789	0	0	0
2.6.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	844	729	767
2.6.4.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.7 Materials and supplies - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.1 Develop error handling system client interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.3 Update error handling system user documentation for second	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.4 Perform error handling system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.7 Improve first release functionality	BCWS	0	0	0	0	0	0	0	0	0	8,432	4,882
2.7.1.1.1.10 Integrate configuration management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.8 Add remote logging with DDS for error handling system-seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.9 Write GUI for error handling system -first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.11 Add partition support to error handler	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.1 Develop error handling system automatic error recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.3 Update error handling system user documentation for third	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.4 Perform error handling system tests and verification for t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.3 General database administration and support - FY10	BCWS	0	0	0	0	0	0	0	0	1,789	1,619	1,704
2.7.1.10.1.4 General database administration and support - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.5 General database administration and support - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.6.3.5.1.2.26 Ship manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.27 Ship manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.28 Ship manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.29 Ship manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.3 Ship manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.30 Ship manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.4 Ship manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.5 Ship manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.6 Ship manifolds - Block6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.7 Ship manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.8 Ship manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.9 Ship manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.3 Commission	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.1 Ship first third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.2 Ship second third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.3 Ship final third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.4 Ship near detector power distribution system to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.2 Travel	BCWS	729	767	882	844	767	844	805	844	767	0	0
2.6.4.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.6 Travel - supplemental	BCWS	0	752	865	827	752	827	790	827	752	0	0
2.6.4.4.7 Materials and supplies - supplemental	BCWS	0	267	307	294	267	294	281	294	267	0	0
2.6.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	914	870
2.6.4.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	195	186
2.6.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.1 Develop error handling system client interface	BCWS	4,793	5,858	0	0	0	0	0	0	0	0	0
2.7.1.1.1.2 Update error handling system test and verification suite f	BCWS	0	0	5,592	5,059	0	0	0	0	0	0	0
2.7.1.1.1.3 Update error handling system user documentation for second	BCWS	0	0	0	1,598	3,728	0	0	0	0	0	0
2.7.1.1.1.4 Perform error handling system tests and verification for s	BCWS	0	0	0	1,598	533	0	0	0	0	0	0
2.7.1.1.1.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	4,260	0	0	0	0	0	0
2.7.1.1.1.7 Improve first release functionality	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.10 Integrate configuration management	BCWS	0	0	533	4,793	0	0	0	0	0	0	0
2.7.1.1.1.8 Add remote logging with DDS for error handling system-seco	BCWS	0	10,651	2,130	0	0	0	0	0	0	0	0
2.7.1.1.1.9 Write GUI for error handling system -first release	BCWS	0	0	13,313	0	0	0	0	0	0	0	0
2.7.1.1.1.11 Add partition support to error handler	BCWS	0	0	0	0	0	2,929	2,396	0	0	0	0
2.7.1.1.2.1 Develop error handling system automatic error recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.3 Update error handling system user documentation for third	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.4 Perform error handling system tests and verification for t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.3 General database administration and support - FY10	BCWS	1,619	1,704	1,960	1,875	1,704	1,875	1,789	1,875	1,789	0	0
2.7.1.10.1.4 General database administration and support - FY11	BCWS	0	0	0	0	0	0	0	0	0	1,879	1,789
2.7.1.10.1.5 General database administration and support - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.6.3.5.1.2.26 Ship manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.27 Ship manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.28 Ship manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.29 Ship manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.3 Ship manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.30 Ship manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.4 Ship manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.5 Ship manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.6 Ship manifolds - Block6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.7 Ship manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.8 Ship manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.9 Ship manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.2 Procure other components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.1 Design	BCWS	0	0	0	0	316	2,847	0	0	0	0	0
2.6.3.5.4.2 Build	BCWS	0	0	0	0	0	5,521	3,681	0	0	0	0
2.6.3.5.4.3 Commission	BCWS	0	0	0	0	0	0	4,428	1,898	0	0	0
2.6.3.5.5.1 Design	BCWS	0	0	0	0	0	0	0	3,163	0	0	0
2.6.3.5.5.2 Build	BCWS	0	0	0	0	0	0	0	1,931	7,726	0	0
2.6.3.6.1 Ship first third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.2 Ship second third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.3 Ship final third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.4 Ship near detector power distribution system to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.7 Materials and supplies - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.2 Travel	BCWS	870	827	870	1,001	914	914	957	870	1,001	870	0
2.6.4.5.4 Materials and supplies	BCWS	186	176	186	213	195	195	204	186	213	186	0
2.6.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	934
2.6.4.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	199
2.6.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.1 Develop error handling system client interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.3 Update error handling system user documentation for second	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.4 Perform error handling system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.7 Improve first release functionality	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.10 Integrate configuration management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.8 Add remote logging with DDS for error handling system-seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.9 Write GUI for error handling system -first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.11 Add partition support to error handler	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.1 Develop error handling system automatic error recovery	BCWS	0	559	10,623	0	0	0	0	0	0	0	0
2.7.1.1.2.2 Update error handling system test and verification suite f	BCWS	0	0	559	5,032	0	0	0	0	0	0	0
2.7.1.1.2.3 Update error handling system user documentation for third	BCWS	0	0	0	5,591	0	0	0	0	0	0	0
2.7.1.1.2.4 Perform error handling system tests and verification for t	BCWS	0	0	0	2,236	0	0	0	0	0	0	0
2.7.1.1.2.5 Review error handling system software, tests and documenta	BCWS	0	0	0	2,236	2,236	0	0	0	0	0	0
2.7.1.10.1.3 General database administration and support - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.4 General database administration and support - FY11	BCWS	1,789	1,700	1,789	2,058	1,879	1,879	1,968	1,789	2,058	1,789	0
2.7.1.10.1.5 General database administration and support - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	1,969

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.6.3.5.1.2.26 Ship manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.27 Ship manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.28 Ship manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.29 Ship manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.3 Ship manifolds - Block 3	BCWS	0	0	0	0	0	1,055	1,055	0	0	0	0
2.6.3.5.1.2.30 Ship manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.4 Ship manifolds - Block 4	BCWS	0	0	0	0	0	0	2,110	0	0	0	0
2.6.3.5.1.2.5 Ship manifolds - Block 5	BCWS	0	0	0	0	0	0	211	1,899	0	0	0
2.6.3.5.1.2.6 Ship manifolds - Block6	BCWS	0	0	0	0	0	0	0	1,899	211	0	0
2.6.3.5.1.2.7 Ship manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	2,110	0	0
2.6.3.5.1.2.8 Ship manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	844	1,266	0
2.6.3.5.1.2.9 Ship manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	2,110	0
2.6.3.5.2 Procure other components	BCWS	0	6,583	14,629	15,360	16,092	15,360	16,092	15,360	15,360	16,823	13,897
2.6.3.5.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.3 Commission	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.1 Ship first third of power distribution system to far site	BCWS	0	0	0	0	0	0	8,219	0	0	0	0
2.6.3.6.2 Ship second third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.3 Ship final third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.4 Ship near detector power distribution system to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.7 Materials and supplies - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.2 Travel	BCWS	889	845	889	934	978	934	978	934	934	1,023	845
2.6.4.6.4 Materials and supplies	BCWS	190	180	190	199	209	199	209	199	199	218	180
2.6.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.1 Develop error handling system client interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.3 Update error handling system user documentation for second	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.4 Perform error handling system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.7 Improve first release functionality	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.10 Integrate configuration management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.8 Add remote logging with DDS for error handling system-seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.9 Write GUI for error handling system -first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.11 Add partition support to error handler	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.1 Develop error handling system automatic error recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.3 Update error handling system user documentation for third	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.4 Perform error handling system tests and verification for t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.3 General database administration and support - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.4 General database administration and support - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.5 General database administration and support - FY12	BCWS	1,875	1,781	1,875	1,969	2,063	1,969	2,063	1,969	1,969	2,156	1,781

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.6.3.5.1.2.26 Ship manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	2,157	0
2.6.3.5.1.2.27 Ship manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	1,725	431
2.6.3.5.1.2.28 Ship manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	2,157
2.6.3.5.1.2.29 Ship manifolds - Block 29	BCWS	0	0	0	0	0	0	0	0	0	0	863
2.6.3.5.1.2.3 Ship manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.30 Ship manifolds - Block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.4 Ship manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.5 Ship manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.6 Ship manifolds - Block6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.7 Ship manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.8 Ship manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.9 Ship manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.2 Procure other components	BCWS	17,194	14,951	13,456	15,699	14,951	15,699	16,446	16,446	14,951	16,446	16,446
2.6.3.5.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.3 Commission	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.1 Ship first third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.2 Ship second third of power distribution system to far site	BCWS	0	0	6,741	1,685	0	0	0	0	0	0	0
2.6.3.6.3 Ship final third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	8,427
2.6.3.6.4 Ship near detector power distribution system to Fermilab	BCWS	0	0	0	2,908	0	0	0	0	0	0	0
2.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.7 Materials and supplies - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.2 Travel	BCWS	314	273	245	286	273	286	300	300	273	300	300
2.7.1.1.1.1 Develop error handling system client interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.3 Update error handling system user documentation for second	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.4 Perform error handling system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.7 Improve first release functionality	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.10 Integrate configuration management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.8 Add remote logging with DDS for error handling system-seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.9 Write GUI for error handling system -first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.11 Add partition support to error handler	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.1 Develop error handling system automatic error recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.3 Update error handling system user documentation for third	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.4 Perform error handling system tests and verification for t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.3 General database administration and support - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.4 General database administration and support - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.5 General database administration and support - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.6.3.5.1.2.26 Ship manifolds - Block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.27 Ship manifolds - Block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.28 Ship manifolds - Block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.29 Ship manifolds - Block 29	BCWS	1,294	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.3 Ship manifolds - Block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.30 Ship manifolds - Block 30	BCWS	2,157	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.4 Ship manifolds - Block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.5 Ship manifolds - Block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.6 Ship manifolds - Block6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.7 Ship manifolds - Block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.8 Ship manifolds - Block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.1.2.9 Ship manifolds - Block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.2 Procure other components	BCWS	14,951	17,572	9,168	0	0	0	0	0	0	0	0
2.6.3.5.4.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.4.3 Commission	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.1 Design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.5.5.2 Build	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.1 Ship first third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.2 Ship second third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.3 Ship final third of power distribution system to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.3.6.4 Ship near detector power distribution system to Fermilab	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.4.7 Materials and supplies - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.5.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.6.4 Materials and supplies	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.6.4.7.2 Travel	BCWS	259	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.1 Develop error handling system client interface	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.3 Update error handling system user documentation for second	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.4 Perform error handling system tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.7 Improve first release functionality	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.10 Integrate configuration management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.8 Add remote logging with DDS for error handling system-seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.9 Write GUI for error handling system -first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.1.11 Add partition support to error handler	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.1 Develop error handling system automatic error recovery	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.2 Update error handling system test and verification suite f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.3 Update error handling system user documentation for third	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.4 Perform error handling system tests and verification for t	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.1.2.5 Review error handling system software, tests and documenta	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.3 General database administration and support - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.4 General database administration and support - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.5 General database administration and support - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
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WP[20]		AUG14	SEP14	Cumulative
2.6.3.5.1.2.26 Ship manifolds - Block 26	BCWS	0	0	2,157
2.6.3.5.1.2.27 Ship manifolds - Block 27	BCWS	0	0	2,157
2.6.3.5.1.2.28 Ship manifolds - Block 28	BCWS	0	0	2,157
2.6.3.5.1.2.29 Ship manifolds - Block 29	BCWS	0	0	2,157
2.6.3.5.1.2.3 Ship manifolds - Block 3	BCWS	0	0	2,110
2.6.3.5.1.2.30 Ship manifolds - Block 30	BCWS	0	0	2,157
2.6.3.5.1.2.4 Ship manifolds - Block 4	BCWS	0	0	2,110
2.6.3.5.1.2.5 Ship manifolds - Block 5	BCWS	0	0	2,110
2.6.3.5.1.2.6 Ship manifolds - Block6	BCWS	0	0	2,110
2.6.3.5.1.2.7 Ship manifolds - Block 7	BCWS	0	0	2,110
2.6.3.5.1.2.8 Ship manifolds - Block 8	BCWS	0	0	2,110
2.6.3.5.1.2.9 Ship manifolds - Block 9	BCWS	0	0	2,110
2.6.3.5.2 Procure other components	BCWS	0	0	359,932
2.6.3.5.4.1 Design	BCWS	0	0	3,163
2.6.3.5.4.2 Build	BCWS	0	0	9,201
2.6.3.5.4.3 Commission	BCWS	0	0	6,326
2.6.3.5.5.1 Design	BCWS	0	0	3,163
2.6.3.5.5.2 Build	BCWS	0	0	9,657
2.6.3.6.1 Ship first third of power distribution system to far site	BCWS	0	0	8,219
2.6.3.6.2 Ship second third of power distribution system to far site	BCWS	0	0	8,427
2.6.3.6.3 Ship final third of power distribution system to far site	BCWS	0	0	8,427
2.6.3.6.4 Ship near detector power distribution system to Fermilab	BCWS	0	0	2,908
2.6.4.3.1 Labor	BCWS	0	0	0
2.6.4.3.2 Travel	BCWS	0	0	6,386
2.6.4.4.1 Labor	BCWS	0	0	0
2.6.4.4.2 Travel	BCWS	0	0	9,589
2.6.4.4.5 Labor - supplemental	BCWS	0	0	0
2.6.4.4.6 Travel - supplemental	BCWS	0	0	6,392
2.6.4.4.7 Materials and supplies - supplemental	BCWS	0	0	2,271
2.6.4.5.1 Labor	BCWS	0	0	0
2.6.4.5.2 Travel	BCWS	0	0	10,878
2.6.4.5.4 Materials and supplies	BCWS	0	0	2,319
2.6.4.6.1 Labor	BCWS	0	0	0
2.6.4.6.2 Travel	BCWS	0	0	11,117
2.6.4.6.4 Materials and supplies	BCWS	0	0	2,370
2.6.4.7.1 Labor	BCWS	0	0	0
2.6.4.7.2 Travel	BCWS	0	0	3,409
2.7.1.1.1.1 Develop error handling system client interface	BCWS	0	0	10,651
2.7.1.1.1.2 Update error handling system test and verification suite f	BCWS	0	0	10,651
2.7.1.1.1.3 Update error handling system user documentation for second	BCWS	0	0	5,325
2.7.1.1.1.4 Perform error handling system tests and verification for s	BCWS	0	0	2,130
2.7.1.1.1.5 Review error handling system software, tests and documenta	BCWS	0	0	4,260
2.7.1.1.1.7 Improve first release functionality	BCWS	0	0	13,313
2.7.1.1.1.10 Integrate configuration management	BCWS	0	0	5,325
2.7.1.1.1.8 Add remote logging with DDS for error handling system-seco	BCWS	0	0	12,781
2.7.1.1.1.9 Write GUI for error handling system -first release	BCWS	0	0	13,313
2.7.1.1.1.11 Add partition support to error handler	BCWS	0	0	5,325
2.7.1.1.2.1 Develop error handling system automatic error recovery	BCWS	0	0	11,182
2.7.1.1.2.2 Update error handling system test and verification suite f	BCWS	0	0	5,591
2.7.1.1.2.3 Update error handling system user documentation for third	BCWS	0	0	5,591
2.7.1.1.2.4 Perform error handling system tests and verification for t	BCWS	0	0	2,236
2.7.1.1.2.5 Review error handling system software, tests and documenta	BCWS	0	0	4,473
2.7.1.10.1.3 General database administration and support - FY10	BCWS	0	0	21,302
2.7.1.10.1.4 General database administration and support - FY11	BCWS	0	0	22,365
2.7.1.10.1.5 General database administration and support - FY12	BCWS	0	0	23,439

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.7.1.10.1.6 General database administration and support - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.7 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.8 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.1 Deploy databases on integration server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.2 Configure integration database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.1 Deploy databases on production server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.2 Configure production database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.1 Develop online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.2 Review online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.3 Finalize online calibration application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.1 Online calibration application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.2 Review online calibration application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.3 Finalize online calibration application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.3 Prototype online calibration application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.4 Implement & test online calibration application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.5 Implement online calibration application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.6 Update online calibration application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.1 Develop online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.2 Review online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.3 Finalize online run history application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.1 Online run history application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.2 Review online run history application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.3 Finalize online run history application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.3 Prototype online run history application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.4 Implement & test online run history application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.5 Implement online run history application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.6 Update online run history application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.1 Message passing system monitoring and diagnostics code	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.2 Update message passing system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.3 Update message handling system user documentation for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.4 Perform message passing system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.5 Review message passing system software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.1 Integrate DDS message transport	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.2 Write user documentation - Enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.3 Update enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.4 Write and perform tests for enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.1 Develop run control multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.2 Update command line interface for multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.3 Develop initial run control GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.4 Run control system framework integration with databases	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.5 Run control system support for data & error loggers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.6 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.7 Update run control system user documentation for second re	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.8 Perform run control system tests and verification for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.9 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.11 Update state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.12 Update system-wide state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.13 Develop resource management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.14 Design configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.15 Implement configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.16 Provide run control receiver library	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.17 Assist developers with state model implementation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.1 Run control system support for detector partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.2 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.3 Update run control system user documentation for third rel	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.7.1.10.1.6 General database administration and support - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.7 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.8 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.1 Deploy databases on integration server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.2 Configure integration database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.1 Deploy databases on production server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.2 Configure production database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.1 Develop online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.2 Review online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.3 Finalize online calibration application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.1 Online calibration application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.2 Review online calibration application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.3 Finalize online calibration application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.3 Prototype online calibration application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.4 Implement & test online calibration application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.5 Implement online calibration application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.6 Update online calibration application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.1 Develop online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.2 Review online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.3 Finalize online run history application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.1 Online run history application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.2 Review online run history application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.3 Finalize online run history application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.3 Prototype online run history application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.4 Implement & test online run history application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.5 Implement online run history application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.6 Update online run history application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.1 Message passing system monitoring and diagnostics code	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.2 Update message passing system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.3 Update message handling system user documentation for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.4 Perform message passing system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.5 Review message passing system software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.1 Integrate DDS message transport	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.2 Write user documentation - Enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.3 Update enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.4 Write and perform tests for enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.1 Develop run control multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.2 Update command line interface for multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.3 Develop initial run control GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.4 Run control system framework integration with databases	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.5 Run control system support for data & error loggers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.6 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.7 Update run control system user documentation for second re	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.8 Perform run control system tests and verification for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.9 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.11 Update state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.12 Update system-wide state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.13 Develop resource management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.14 Design configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.15 Implement configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.16 Provide run control receiver library	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.17 Assist developers with state model implementation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.1 Run control system support for detector partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.2 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.3 Update run control system user documentation for third rel	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.7.1.10.1.6 General database administration and support - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.7 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.8 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.1 Deploy databases on integration server	BCWS	0	0	0	0	0	0	0	0	5,325	0	0
2.7.1.10.2.2 Configure integration database servers	BCWS	0	0	0	0	0	0	0	0	2,663	0	0
2.7.1.10.3.1 Deploy databases on production server	BCWS	0	0	0	0	0	0	0	0	3,728	1,598	0
2.7.1.10.3.2 Configure production database servers	BCWS	0	0	0	0	0	0	0	0	0	2,663	0
2.7.1.10.4.1.1.1 Develop online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.2 Review online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.3 Finalize online calibration application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.1 Online calibration application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.2 Review online calibration application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.3 Finalize online calibration application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.3 Prototype online calibration application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.4 Implement & test online calibration application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.5 Implement online calibration application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.6 Update online calibration application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.1 Develop online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.2 Review online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.3 Finalize online run history application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.1 Online run history application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.2 Review online run history application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.3 Finalize online run history application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.3 Prototype online run history application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.4 Implement & test online run history application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.5 Implement online run history application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.6 Update online run history application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.1 Message passing system monitoring and diagnostics code	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.2 Update message passing system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.3 Update message handling system user documentation for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.4 Perform message passing system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.5 Review message passing system software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.1 Integrate DDS message transport	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.2 Write user documentation - Enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.3 Update enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.4 Write and perform tests for enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.1 Develop run control multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.2 Update command line interface for multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.3 Develop initial run control GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.4 Run control system framework integration with databases	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.5 Run control system support for data & error loggers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.6 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.7 Update run control system user documentation for second re	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.8 Perform run control system tests and verification for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.9 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.11 Update state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.12 Update system-wide state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.13 Develop resource management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.14 Design configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.15 Implement configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.16 Provide run control receiver library	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.17 Assist developers with state model implementation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.1 Run control system support for detector partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.2 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.3 Update run control system user documentation for third rel	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.7.1.10.1.6 General database administration and support - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.7 Additional support for Nova hardware database application	BCWS	0	0	0	0	4,270	4,697	4,484	4,697	4,484	0	0
2.7.1.10.1.8 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.1 Deploy databases on integration server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.2 Configure integration database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.1 Deploy databases on production server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.2 Configure production database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.1 Develop online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.2 Review online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.3 Finalize online calibration application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.1 Online calibration application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.2 Review online calibration application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.3 Finalize online calibration application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.3 Prototype online calibration application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.4 Implement & test online calibration application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.5 Implement online calibration application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.6 Update online calibration application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.1 Develop online run history application specification	BCWS	0	0	0	0	0	6,923	3,728	0	0	0	0
2.7.1.10.4.2.1.2 Review online run history application specification	BCWS	0	0	0	0	0	0	4,260	0	0	0	0
2.7.1.10.4.2.1.3 Finalize online run history application specificatio	BCWS	0	0	0	0	0	0	3,195	1,065	0	0	0
2.7.1.10.4.2.2.1 Online run history application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.2 Review online run history application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.3 Finalize online run history application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.3 Prototype online run history application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.4 Implement & test online run history application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.5 Implement online run history application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.6 Update online run history application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.1 Message passing system monitoring and diagnostics code	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.2 Update message passing system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.3 Update message handling system user documentation for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.4 Perform message passing system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.5 Review message passing system software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.1 Integrate DDS message transport	BCWS	0	15,976	7,988	0	0	0	0	0	0	0	0
2.7.1.2.2.2 Write user documentation - Enhanced first release	BCWS	0	0	3,147	2,179	0	0	0	0	0	0	0
2.7.1.2.2.3 Update enhanced first release	BCWS	0	0	3,077	5,207	2,367	0	0	0	0	0	0
2.7.1.2.2.4 Write and perform tests for enhanced first release	BCWS	0	0	0	0	2,663	2,663	0	0	0	0	0
2.7.1.3.1.1 Develop run control multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.2 Update command line interface for multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.3 Develop initial run control GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.4 Run control system framework integration with databases	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.5 Run control system support for data & error loggers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.6 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.7 Update run control system user documentation for second re	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.8 Perform run control system tests and verification for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.9 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.11 Update state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.12 Update system-wide state model	BCWS	0	0	5,444	5,207	0	0	0	0	0	0	0
2.7.1.3.1.13 Develop resource management	BCWS	0	0	799	5,858	3,994	0	0	0	0	0	0
2.7.1.3.1.14 Design configuration management system	BCWS	0	0	0	0	5,325	0	0	0	0	0	0
2.7.1.3.1.15 Implement configuration management system	BCWS	0	0	0	0	3,994	8,787	3,195	0	0	0	0
2.7.1.3.1.16 Provide run control receiver library	BCWS	0	0	0	3,905	3,550	3,195	0	0	0	0	0
2.7.1.3.1.17 Assist developers with state model implementation	BCWS	0	0	0	0	6,213	6,834	5,592	0	0	0	0
2.7.1.3.2.1 Run control system support for detector partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.2 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.3 Update run control system user documentation for third rel	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.7.1.10.1.6 General database administration and support - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.7 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.8 Additional support for Nova hardware database application	BCWS	0	2,330	4,659	5,358	4,892	4,892	5,125	4,659	5,358	4,659	0
2.7.1.10.2.1 Deploy databases on integration server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.2 Configure integration database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.1 Deploy databases on production server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.2 Configure production database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.1 Develop online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.2 Review online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.3 Finalize online calibration application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.1 Online calibration application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.2 Review online calibration application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.3 Finalize online calibration application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.3 Prototype online calibration application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.4 Implement & test online calibration application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.5 Implement online calibration application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.6 Update online calibration application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.1 Develop online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.2 Review online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.3 Finalize online run history application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.1 Online run history application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.2 Review online run history application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.3 Finalize online run history application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.3 Prototype online run history application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.4 Implement & test online run history application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.5 Implement online run history application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.6 Update online run history application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.1 Message passing system monitoring and diagnostics code	BCWS	14,337	13,620	0	0	0	0	0	0	0	0	0
2.7.1.2.1.2 Update message passing system test and verification suite	BCWS	0	0	11,182	0	0	0	0	0	0	0	0
2.7.1.2.1.3 Update message handling system user documentation for seco	BCWS	0	0	5,591	0	0	0	0	0	0	0	0
2.7.1.2.1.4 Perform message passing system tests and verification for	BCWS	0	0	4,473	0	0	0	0	0	0	0	0
2.7.1.2.1.5 Review message passing system software, tests and document	BCWS	0	0	0	4,473	0	0	0	0	0	0	0
2.7.1.2.2.1 Integrate DDS message transport	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.2 Write user documentation - Enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.3 Update enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.4 Write and perform tests for enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.1 Develop run control multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.2 Update command line interface for multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.3 Develop initial run control GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.4 Run control system framework integration with databases	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.5 Run control system support for data & error loggers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.6 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.7 Update run control system user documentation for second re	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.8 Perform run control system tests and verification for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.9 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.11 Update state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.12 Update system-wide state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.13 Develop resource management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.14 Design configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.15 Implement configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.16 Provide run control receiver library	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.17 Assist developers with state model implementation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.1 Run control system support for detector partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.2 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.3 Update run control system user documentation for third rel	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.7.1.10.1.6 General database administration and support - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.7 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.8 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.1 Deploy databases on integration server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.2 Configure integration database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.1 Deploy databases on production server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.2 Configure production database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.1 Develop online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.2 Review online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.3 Finalize online calibration application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.1 Online calibration application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.2 Review online calibration application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.3 Finalize online calibration application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.3 Prototype online calibration application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.4 Implement & test online calibration application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.5 Implement online calibration application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.6 Update online calibration application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.1 Develop online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.2 Review online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.3 Finalize online run history application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.1 Online run history application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.2 Review online run history application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.3 Finalize online run history application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.3 Prototype online run history application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.4 Implement & test online run history application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.5 Implement online run history application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.6 Update online run history application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.1 Message passing system monitoring and diagnostics code	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.2 Update message passing system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.3 Update message handling system user documentation for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.4 Perform message passing system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.5 Review message passing system software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.1 Integrate DDS message transport	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.2 Write user documentation - Enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.3 Update enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.4 Write and perform tests for enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.1 Develop run control multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.2 Update command line interface for multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.3 Develop initial run control GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.4 Run control system framework integration with databases	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.5 Run control system support for data & error loggers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.6 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.7 Update run control system user documentation for second re	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.8 Perform run control system tests and verification for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.9 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.11 Update state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.12 Update system-wide state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.13 Develop resource management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.14 Design configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.15 Implement configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.16 Provide run control receiver library	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.17 Assist developers with state model implementation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.1 Run control system support for detector partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.2 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.3 Update run control system user documentation for third rel	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.7.1.10.1.6 General database administration and support - FY13	BCWS	2,260	1,965	1,769	2,063	1,965	2,063	2,162	2,162	1,965	2,162	2,162
2.7.1.10.1.7 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.8 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.1 Deploy databases on integration server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.2 Configure integration database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.1 Deploy databases on production server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.2 Configure production database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.1 Develop online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.2 Review online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.3 Finalize online calibration application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.1 Online calibration application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.2 Review online calibration application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.3 Finalize online calibration application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.3 Prototype online calibration application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.4 Implement & test online calibration application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.5 Implement online calibration application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.6 Update online calibration application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.1 Develop online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.2 Review online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.3 Finalize online run history application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.1 Online run history application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.2 Review online run history application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.3 Finalize online run history application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.3 Prototype online run history application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.4 Implement & test online run history application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.5 Implement online run history application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.6 Update online run history application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.1 Message passing system monitoring and diagnostics code	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.2 Update message passing system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.3 Update message handling system user documentation for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.4 Perform message passing system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.5 Review message passing system software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.1 Integrate DDS message transport	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.2 Write user documentation - Enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.3 Update enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.4 Write and perform tests for enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.1 Develop run control multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.2 Update command line interface for multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.3 Develop initial run control GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.4 Run control system framework integration with databases	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.5 Run control system support for data & error loggers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.6 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.7 Update run control system user documentation for second re	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.8 Perform run control system tests and verification for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.9 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.11 Update state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.12 Update system-wide state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.13 Develop resource management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.14 Design configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.15 Implement configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.16 Provide run control receiver library	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.17 Assist developers with state model implementation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.1 Run control system support for detector partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.2 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.3 Update run control system user documentation for third rel	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.7.1.10.1.6 General database administration and support - FY13	BCWS	1,867	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.7 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.1.8 Additional support for Nova hardware database application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.1 Deploy databases on integration server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.2.2 Configure integration database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.1 Deploy databases on production server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.3.2 Configure production database servers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.1 Develop online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.2 Review online calibration application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.1.3 Finalize online calibration application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.1 Online calibration application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.2 Review online calibration application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.2.3 Finalize online calibration application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.3 Prototype online calibration application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.4 Implement & test online calibration application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.5 Implement online calibration application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.1.6 Update online calibration application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.1 Develop online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.2 Review online run history application specification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.1.3 Finalize online run history application specificatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.1 Online run history application design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.2 Review online run history application design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.2.3 Finalize online run history application design docume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.3 Prototype online run history application and database a	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.4 Implement & test online run history application in the	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.5 Implement online run history application in the integra	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.10.4.2.6 Update online run history application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.1 Message passing system monitoring and diagnostics code	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.2 Update message passing system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.3 Update message handling system user documentation for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.4 Perform message passing system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.1.5 Review message passing system software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.1 Integrate DDS message transport	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.2 Write user documentation - Enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.3 Update enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.2.2.4 Write and perform tests for enhanced first release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.1 Develop run control multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.2 Update command line interface for multi-host support	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.3 Develop initial run control GUI	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.4 Run control system framework integration with databases	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.5 Run control system support for data & error loggers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.6 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.7 Update run control system user documentation for second re	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.8 Perform run control system tests and verification for seco	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.9 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.11 Update state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.12 Update system-wide state model	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.13 Develop resource management	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.14 Design configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.15 Implement configuration management system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.16 Provide run control receiver library	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.1.17 Assist developers with state model implementation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.1 Run control system support for detector partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.2 Update run control system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.3 Update run control system user documentation for third rel	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.7.1.10.1.6 General database administration and support - FY13	BCWS	0	0	24,564
2.7.1.10.1.7 Additional support for Nova hardware database application	BCWS	0	0	22,633
2.7.1.10.1.8 Additional support for Nova hardware database application	BCWS	0	0	41,934
2.7.1.10.2.1 Deploy databases on integration server	BCWS	0	0	5,325
2.7.1.10.2.2 Configure integration database servers	BCWS	0	0	2,663
2.7.1.10.3.1 Deploy databases on production server	BCWS	0	0	5,325
2.7.1.10.3.2 Configure production database servers	BCWS	0	0	2,663
2.7.1.10.4.1.1.1 Develop online calibration application specification	BCWS	0	0	0
2.7.1.10.4.1.1.2 Review online calibration application specification	BCWS	0	0	0
2.7.1.10.4.1.1.3 Finalize online calibration application specificatio	BCWS	0	0	0
2.7.1.10.4.1.2.1 Online calibration application design document draft	BCWS	0	0	0
2.7.1.10.4.1.2.2 Review online calibration application design document	BCWS	0	0	0
2.7.1.10.4.1.2.3 Finalize online calibration application design docume	BCWS	0	0	0
2.7.1.10.4.1.3 Prototype online calibration application and database a	BCWS	0	0	0
2.7.1.10.4.1.4 Implement & test online calibration application in the	BCWS	0	0	0
2.7.1.10.4.1.5 Implement online calibration application in the integra	BCWS	0	0	0
2.7.1.10.4.1.6 Update online calibration application	BCWS	0	0	0
2.7.1.10.4.2.1.1 Develop online run history application specification	BCWS	0	0	10,651
2.7.1.10.4.2.1.2 Review online run history application specification	BCWS	0	0	4,260
2.7.1.10.4.2.1.3 Finalize online run history application specificatio	BCWS	0	0	4,260
2.7.1.10.4.2.2.1 Online run history application design document draft	BCWS	0	0	0
2.7.1.10.4.2.2.2 Review online run history application design document	BCWS	0	0	0
2.7.1.10.4.2.2.3 Finalize online run history application design docume	BCWS	0	0	0
2.7.1.10.4.2.3 Prototype online run history application and database a	BCWS	0	0	0
2.7.1.10.4.2.4 Implement & test online run history application in the	BCWS	0	0	0
2.7.1.10.4.2.5 Implement online run history application in the integra	BCWS	0	0	0
2.7.1.10.4.2.6 Update online run history application	BCWS	0	0	0
2.7.1.2.1.1 Message passing system monitoring and diagnostics code	BCWS	0	0	27,956
2.7.1.2.1.2 Update message passing system test and verification suite	BCWS	0	0	11,182
2.7.1.2.1.3 Update message handling system user documentation for seco	BCWS	0	0	5,591
2.7.1.2.1.4 Perform message passing system tests and verification for	BCWS	0	0	4,473
2.7.1.2.1.5 Review message passing system software, tests and document	BCWS	0	0	4,473
2.7.1.2.2.1 Integrate DDS message transport	BCWS	0	0	23,964
2.7.1.2.2.2 Write user documentation - Enhanced first release	BCWS	0	0	5,325
2.7.1.2.2.3 Update enhanced first release	BCWS	0	0	10,651
2.7.1.2.2.4 Write and perform tests for enhanced first release	BCWS	0	0	5,325
2.7.1.3.1.1 Develop run control multi-host support	BCWS	0	0	0
2.7.1.3.1.2 Update command line interface for multi-host support	BCWS	0	0	0
2.7.1.3.1.3 Develop initial run control GUI	BCWS	0	0	0
2.7.1.3.1.4 Run control system framework integration with databases	BCWS	0	0	0
2.7.1.3.1.5 Run control system support for data & error loggers	BCWS	0	0	0
2.7.1.3.1.6 Update run control system test and verification suite for	BCWS	0	0	0
2.7.1.3.1.7 Update run control system user documentation for second re	BCWS	0	0	0
2.7.1.3.1.8 Perform run control system tests and verification for seco	BCWS	0	0	0
2.7.1.3.1.9 Review run control system software, tests and documentatio	BCWS	0	0	0
2.7.1.3.1.11 Update state model	BCWS	0	0	0
2.7.1.3.1.12 Update system-wide state model	BCWS	0	0	10,651
2.7.1.3.1.13 Develop resource management	BCWS	0	0	10,651
2.7.1.3.1.14 Design configuration management system	BCWS	0	0	5,325
2.7.1.3.1.15 Implement configuration management system	BCWS	0	0	15,976
2.7.1.3.1.16 Provide run control receiver library	BCWS	0	0	10,651
2.7.1.3.1.17 Assist developers with state model implementation	BCWS	0	0	18,639
2.7.1.3.2.1 Run control system support for detector partitioning	BCWS	0	0	0
2.7.1.3.2.2 Update run control system test and verification suite for	BCWS	0	0	0
2.7.1.3.2.3 Update run control system user documentation for third rel	BCWS	0	0	0

Program:	Description:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.7.1.3.2.4 Perform run control system tests and verification for thir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.5 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.7 Run control expert consultation - third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.1 Develop process management watchdogs and master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.2 Update event buffer farm core software test and verificati	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.3 Update event buffer farm core software user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.4 Perform event buffer farm core software tests and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.5 Review event buffer farm core software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.1 Update event buffer farm server for software second releas	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.1 Update event buffer farm server for software third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.1 Develop initial data logging server (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.2 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.3 Integrate run control support in the data logger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.4 Write data logger server test and verification suite for fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.5 Write data logger server user documentation for software fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.6 Perform data logger server tests and verification for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.7 Review data logger server, tests and documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.10 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.11 Integrate run control support in the data logger - replacem	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.12 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.9 Develop initial data logger - replacement effort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.1 Data file transfer system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.2 Review data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.3 Finalize data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.10 Review data file transfer system, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.1 Data file transfer system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.2 Review data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.3 Finalize data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.3 Develop initial data file transfer agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.4 Integrate transfer agent with the mass storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.5 Integrate data file transfer system with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.6 Integrate data file transfer system with run control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.7 Write data file transfer system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.8 Write data file transfer system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.9 Perform data file transfer system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.1 Develop framework code for DAQ monitoring systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.10 Review DAQ monitoring system, tests and documentation for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.2 Integrate DAQ monitoring framework with the message passing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.3 Integrate DAQ monitoring framework with the error handling s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.4 Develop generic GUI framework for the DAQ monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.5 Integrate DAQ monitoring framework with the online monitorin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.6 Develop DAQ monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.7 Write DAQ monitoring system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.8 Write DAQ monitoring system user documentation for software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.9 Perform DAQ monitoring system tests and verification for sof	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.12 Develop framework code for DAQ monitoring systems-Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.1 Event monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.7.1.3.2.4 Perform run control system tests and verification for thir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.5 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.7 Run control expert consultation - third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.1 Develop process management watchdogs and master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.2 Update event buffer farm core software test and verificati	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.3 Update event buffer farm core software user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.4 Perform event buffer farm core software tests and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.5 Review event buffer farm core software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.1 Update event buffer farm server for software second releas	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.1 Update event buffer farm server for software third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.1 Develop initial data logging server (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.2 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.3 Integrate run control support in the data logger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.4 Write data logger server test and verification suite for fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.5 Write data logger server user documentation for software fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.6 Perform data logger server tests and verification for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.7 Review data logger server, tests and documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.10 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.11 Integrate run control support in the data logger - replacem	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.12 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.9 Develop initial data logger - replacement effort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.1 Data file transfer system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.2 Review data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.3 Finalize data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.10 Review data file transfer system, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.1 Data file transfer system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.2 Review data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.3 Finalize data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.3 Develop initial data file transfer agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.4 Integrate transfer agent with the mass storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.5 Integrate data file transfer system with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.6 Integrate data file transfer system with run control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.7 Write data file transfer system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.8 Write data file transfer system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.9 Perform data file transfer system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.1 Develop framework code for DAQ monitoring systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.10 Review DAQ monitoring system, tests and documentation for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.2 Integrate DAQ monitoring framework with the message passing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.3 Integrate DAQ monitoring framework with the error handling s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.4 Develop generic GUI framework for the DAQ monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.5 Integrate DAQ monitoring framework with the online monitorin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.6 Develop DAQ monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.7 Write DAQ monitoring system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.8 Write DAQ monitoring system user documentation for software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.9 Perform DAQ monitoring system tests and verification for sof	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.12 Develop framework code for DAQ monitoring systems-Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.1 Event monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.7.1.3.2.4 Perform run control system tests and verification for thir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.5 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.7 Run control expert consultation - third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.1 Develop process management watchdogs and master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.2 Update event buffer farm core software test and verificati	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.3 Update event buffer farm core software user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.4 Perform event buffer farm core software tests and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.5 Review event buffer farm core software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.1 Update event buffer farm server for software second releas	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.1 Update event buffer farm server for software third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.1 Develop initial data logging server (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.2 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.3 Integrate run control support in the data logger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.4 Write data logger server test and verification suite for fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.5 Write data logger server user documentation for software fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.6 Perform data logger server tests and verification for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.7 Review data logger server, tests and documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.10 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.11 Integrate run control support in the data logger - replacem	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.12 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.9 Develop initial data logger - replacement effort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.1 Data file transfer system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.2 Review data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.3 Finalize data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.10 Review data file transfer system, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.1 Data file transfer system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.2 Review data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.3 Finalize data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.3 Develop initial data file transfer agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.4 Integrate transfer agent with the mass storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.5 Integrate data file transfer system with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.6 Integrate data file transfer system with run control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.7 Write data file transfer system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.8 Write data file transfer system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.9 Perform data file transfer system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.1 Develop framework code for DAQ monitoring systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.10 Review DAQ monitoring system, tests and documentation for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.2 Integrate DAQ monitoring framework with the message passing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.3 Integrate DAQ monitoring framework with the error handling s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.4 Develop generic GUI framework for the DAQ monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.5 Integrate DAQ monitoring framework with the online monitorin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.6 Develop DAQ monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.7 Write DAQ monitoring system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.8 Write DAQ monitoring system user documentation for software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.9 Perform DAQ monitoring system tests and verification for sof	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.12 Develop framework code for DAQ monitoring systems-Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	8,543
2.7.1.8.1.1 Event monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.7.1.3.2.4 Perform run control system tests and verification for thir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.5 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.7 Run control expert consultation - third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.1 Develop process management watchdogs and master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.2 Update event buffer farm core software test and verificati	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.3 Update event buffer farm core software user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.4 Perform event buffer farm core software tests and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.5 Review event buffer farm core software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.1 Update event buffer farm server for software second releas	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.1 Update event buffer farm server for software third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.1 Develop initial data logging server (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.2 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.3 Integrate run control support in the data logger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.4 Write data logger server test and verification suite for fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.5 Write data logger server user documentation for software fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.6 Perform data logger server tests and verification for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.7 Review data logger server, tests and documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.10 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.11 Integrate run control support in the data logger - replacem	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.12 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.9 Develop initial data logger - replacement effort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.1 Data file transfer system requirements document draft	BCWS	0	0	0	0	0	7,361	3,964	0	0	0	0
2.7.1.6.1.2 Review data file transfer system requirements document	BCWS	0	0	0	0	0	0	4,530	0	0	0	0
2.7.1.6.1.3 Finalize data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.10 Review data file transfer system, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.1 Data file transfer system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.2 Review data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.3 Finalize data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.3 Develop initial data file transfer agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.4 Integrate transfer agent with the mass storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.5 Integrate data file transfer system with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.6 Integrate data file transfer system with run control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.7 Write data file transfer system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.8 Write data file transfer system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.9 Perform data file transfer system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.1 Develop framework code for DAQ monitoring systems	BCWS	0	0	11,716	9,586	0	0	0	0	0	0	0
2.7.1.7.10 Review DAQ monitoring system, tests and documentation for s	BCWS	0	0	0	0	0	4,271	0	0	0	0	0
2.7.1.7.2 Integrate DAQ monitoring framework with the message passing	BCWS	3,029	2,019	0	0	0	0	0	0	0	0	0
2.7.1.7.3 Integrate DAQ monitoring framework with the error handling s	BCWS	0	0	2,718	0	0	0	0	0	0	0	0
2.7.1.7.4 Develop generic GUI framework for the DAQ monitoring system	BCWS	0	0	0	0	0	0	5,871	9,226	5,871	0	0
2.7.1.7.5 Integrate DAQ monitoring framework with the online monitorin	BCWS	3,774	6,710	0	0	0	0	0	0	0	0	0
2.7.1.7.6 Develop DAQ monitoring application	BCWS	0	1,677	8,807	0	0	0	0	0	0	0	0
2.7.1.7.7 Write DAQ monitoring system test and verification suite for	BCWS	0	0	725	7,973	2,174	0	0	0	0	0	0
2.7.1.7.8 Write DAQ monitoring system user documentation for software	BCWS	0	0	0	0	5,074	362	0	0	0	0	0
2.7.1.7.9 Perform DAQ monitoring system tests and verification for sof	BCWS	0	0	0	0	1,942	0	0	0	0	0	0
2.7.1.7.12 Develop framework code for DAQ monitoring systems-Part 2	BCWS	4,271	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.1 Event monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.7.1.3.2.4 Perform run control system tests and verification for thir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.5 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.7 Run control expert consultation - third release	BCWS	1,564	1,486	1,564	1,799	1,642	1,642	1,486	0	0	0	0
2.7.1.4.1.1 Develop process management watchdogs and master	BCWS	0	0	11,182	11,182	0	0	0	0	0	0	0
2.7.1.4.1.2 Update event buffer farm core software test and verificati	BCWS	0	0	0	1,677	3,914	0	0	0	0	0	0
2.7.1.4.1.3 Update event buffer farm core software user documentation	BCWS	0	0	0	0	2,796	0	0	0	0	0	0
2.7.1.4.1.4 Perform event buffer farm core software tests and verifica	BCWS	0	0	0	0	2,236	0	0	0	0	0	0
2.7.1.4.1.5 Review event buffer farm core software, tests and document	BCWS	0	0	0	0	4,473	0	0	0	0	0	0
2.7.1.4.2.1 Update event buffer farm server for software second releas	BCWS	0	0	0	0	559	10,623	0	0	0	0	0
2.7.1.4.2.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	1,118	4,473	0	0	0	0
2.7.1.4.2.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	2,796	0	0	0	0
2.7.1.4.2.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	2,236	0	0	0	0
2.7.1.4.2.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	4,473	0	0	0	0
2.7.1.4.3.1 Update event buffer farm server for software third release	BCWS	0	0	0	0	0	0	559	10,623	0	0	0
2.7.1.4.3.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	559	5,032	0	0
2.7.1.4.3.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	5,591	0	0
2.7.1.4.3.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	2,236	0	0
2.7.1.4.3.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	2,236	2,236	0
2.7.1.5.1 Develop initial data logging server (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.2 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.3 Integrate run control support in the data logger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.4 Write data logger server test and verification suite for fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.5 Write data logger server user documentation for software fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.6 Perform data logger server tests and verification for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.7 Review data logger server, tests and documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.10 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.11 Integrate run control support in the data logger - replacem	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.12 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.9 Develop initial data logger - replacement effort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.1 Data file transfer system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.2 Review data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.3 Finalize data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.10 Review data file transfer system, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.1 Data file transfer system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.2 Review data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.3 Finalize data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.3 Develop initial data file transfer agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.4 Integrate transfer agent with the mass storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.5 Integrate data file transfer system with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.6 Integrate data file transfer system with run control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.7 Write data file transfer system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.8 Write data file transfer system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.9 Perform data file transfer system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.1 Develop framework code for DAQ monitoring systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.10 Review DAQ monitoring system, tests and documentation for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.2 Integrate DAQ monitoring framework with the message passing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.3 Integrate DAQ monitoring framework with the error handling s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.4 Develop generic GUI framework for the DAQ monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.5 Integrate DAQ monitoring framework with the online monitorin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.6 Develop DAQ monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.7 Write DAQ monitoring system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.8 Write DAQ monitoring system user documentation for software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.9 Perform DAQ monitoring system tests and verification for sof	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.12 Develop framework code for DAQ monitoring systems-Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.1 Event monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.7.1.3.2.4 Perform run control system tests and verification for thir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.5 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.7 Run control expert consultation - third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.1 Develop process management watchdogs and master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.2 Update event buffer farm core software test and verificati	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.3 Update event buffer farm core software user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.4 Perform event buffer farm core software tests and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.5 Review event buffer farm core software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.1 Update event buffer farm server for software second releas	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.1 Update event buffer farm server for software third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.1 Develop initial data logging server (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.2 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.3 Integrate run control support in the data logger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.4 Write data logger server test and verification suite for fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.5 Write data logger server user documentation for software fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.6 Perform data logger server tests and verification for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.7 Review data logger server, tests and documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.10 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.11 Integrate run control support in the data logger - replacem	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.12 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.9 Develop initial data logger - replacement effort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.1 Data file transfer system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.2 Review data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.3 Finalize data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.10 Review data file transfer system, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.1 Data file transfer system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.2 Review data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.3 Finalize data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.3 Develop initial data file transfer agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.4 Integrate transfer agent with the mass storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.5 Integrate data file transfer system with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.6 Integrate data file transfer system with run control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.7 Write data file transfer system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.8 Write data file transfer system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.9 Perform data file transfer system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.1 Develop framework code for DAQ monitoring systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.10 Review DAQ monitoring system, tests and documentation for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.2 Integrate DAQ monitoring framework with the message passing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.3 Integrate DAQ monitoring framework with the error handling s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.4 Develop generic GUI framework for the DAQ monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.5 Integrate DAQ monitoring framework with the online monitorin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.6 Develop DAQ monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.7 Write DAQ monitoring system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.8 Write DAQ monitoring system user documentation for software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.9 Perform DAQ monitoring system tests and verification for sof	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.12 Develop framework code for DAQ monitoring systems-Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.1 Event monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.7.1.3.2.4 Perform run control system tests and verification for thir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.5 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.7 Run control expert consultation - third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.1 Develop process management watchdogs and master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.2 Update event buffer farm core software test and verificati	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.3 Update event buffer farm core software user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.4 Perform event buffer farm core software tests and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.5 Review event buffer farm core software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.1 Update event buffer farm server for software second releas	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.1 Update event buffer farm server for software third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.1 Develop initial data logging server (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.2 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.3 Integrate run control support in the data logger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.4 Write data logger server test and verification suite for fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.5 Write data logger server user documentation for software fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.6 Perform data logger server tests and verification for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.7 Review data logger server, tests and documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.10 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.11 Integrate run control support in the data logger - replacem	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.12 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.9 Develop initial data logger - replacement effort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.1 Data file transfer system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.2 Review data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.3 Finalize data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.10 Review data file transfer system, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.1 Data file transfer system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.2 Review data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.3 Finalize data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.3 Develop initial data file transfer agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.4 Integrate transfer agent with the mass storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.5 Integrate data file transfer system with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.6 Integrate data file transfer system with run control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.7 Write data file transfer system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.8 Write data file transfer system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.9 Perform data file transfer system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.1 Develop framework code for DAQ monitoring systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.10 Review DAQ monitoring system, tests and documentation for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.2 Integrate DAQ monitoring framework with the message passing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.3 Integrate DAQ monitoring framework with the error handling s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.4 Develop generic GUI framework for the DAQ monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.5 Integrate DAQ monitoring framework with the online monitorin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.6 Develop DAQ monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.7 Write DAQ monitoring system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.8 Write DAQ monitoring system user documentation for software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.9 Perform DAQ monitoring system tests and verification for sof	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.12 Develop framework code for DAQ monitoring systems-Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.1 Event monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.7.1.3.2.4 Perform run control system tests and verification for thir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.5 Review run control system software, tests and documentatio	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.3.2.7 Run control expert consultation - third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.1 Develop process management watchdogs and master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.2 Update event buffer farm core software test and verificati	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.3 Update event buffer farm core software user documentation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.4 Perform event buffer farm core software tests and verifica	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.1.5 Review event buffer farm core software, tests and document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.1 Update event buffer farm server for software second releas	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.2.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.1 Update event buffer farm server for software third release	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.2 Write event buffer farm server test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.3 Write event buffer farm server user documentation for soft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.4.3.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.1 Develop initial data logging server (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.2 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.3 Integrate run control support in the data logger (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.4 Write data logger server test and verification suite for fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.5 Write data logger server user documentation for software fir	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.6 Perform data logger server tests and verification for softwa	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.7 Review data logger server, tests and documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.10 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.11 Integrate run control support in the data logger - replacem	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.12 Integrate error handling and monitoring support in the data	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.5.9 Develop initial data logger - replacement effort	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.1 Data file transfer system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.2 Review data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.1.3 Finalize data file transfer system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.10 Review data file transfer system, tests and documentation f	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.1 Data file transfer system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.2 Review data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.2.3 Finalize data file transfer system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.3 Develop initial data file transfer agent	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.4 Integrate transfer agent with the mass storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.5 Integrate data file transfer system with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.6 Integrate data file transfer system with run control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.7 Write data file transfer system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.8 Write data file transfer system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.6.9 Perform data file transfer system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.1 Develop framework code for DAQ monitoring systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.10 Review DAQ monitoring system, tests and documentation for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.2 Integrate DAQ monitoring framework with the message passing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.3 Integrate DAQ monitoring framework with the error handling s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.4 Develop generic GUI framework for the DAQ monitoring system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.5 Integrate DAQ monitoring framework with the online monitorin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.6 Develop DAQ monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.7 Write DAQ monitoring system test and verification suite for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.8 Write DAQ monitoring system user documentation for software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.9 Perform DAQ monitoring system tests and verification for sof	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.7.12 Develop framework code for DAQ monitoring systems-Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.1 Event monitor system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.7.1.3.2.4 Perform run control system tests and verification for thir	BCWS	0	0	0
2.7.1.3.2.5 Review run control system software, tests and documentatio	BCWS	0	0	0
2.7.1.3.2.7 Run control expert consultation - third release	BCWS	0	0	11,182
2.7.1.4.1.1 Develop process management watchdogs and master	BCWS	0	0	22,365
2.7.1.4.1.2 Update event buffer farm core software test and verificati	BCWS	0	0	5,591
2.7.1.4.1.3 Update event buffer farm core software user documentation	BCWS	0	0	2,796
2.7.1.4.1.4 Perform event buffer farm core software tests and verifica	BCWS	0	0	2,236
2.7.1.4.1.5 Review event buffer farm core software, tests and document	BCWS	0	0	4,473
2.7.1.4.2.1 Update event buffer farm server for software second releas	BCWS	0	0	11,182
2.7.1.4.2.2 Write event buffer farm server test and verification suite	BCWS	0	0	5,591
2.7.1.4.2.3 Write event buffer farm server user documentation for soft	BCWS	0	0	2,796
2.7.1.4.2.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	2,236
2.7.1.4.2.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	4,473
2.7.1.4.3.1 Update event buffer farm server for software third release	BCWS	0	0	11,182
2.7.1.4.3.2 Write event buffer farm server test and verification suite	BCWS	0	0	5,591
2.7.1.4.3.3 Write event buffer farm server user documentation for soft	BCWS	0	0	5,591
2.7.1.4.3.4 Perform event buffer farm server tests and verification fo	BCWS	0	0	2,236
2.7.1.4.3.5 Review event buffer farm server, tests and documentation f	BCWS	0	0	4,473
2.7.1.5.1 Develop initial data logging server (OBSOLETE)	BCWS	0	0	0
2.7.1.5.2 Integrate error handling and monitoring support in the data	BCWS	0	0	0
2.7.1.5.3 Integrate run control support in the data logger (OBSOLETE)	BCWS	0	0	0
2.7.1.5.4 Write data logger server test and verification suite for fir	BCWS	0	0	0
2.7.1.5.5 Write data logger server user documentation for software fir	BCWS	0	0	0
2.7.1.5.6 Perform data logger server tests and verification for softwa	BCWS	0	0	0
2.7.1.5.7 Review data logger server, tests and documentation for softw	BCWS	0	0	0
2.7.1.5.10 Integrate error handling and monitoring support in the data	BCWS	0	0	0
2.7.1.5.11 Integrate run control support in the data logger - replacem	BCWS	0	0	0
2.7.1.5.12 Integrate error handling and monitoring support in the data	BCWS	0	0	0
2.7.1.5.9 Develop initial data logger - replacement effort	BCWS	0	0	0
2.7.1.6.1.1 Data file transfer system requirements document draft	BCWS	0	0	11,325
2.7.1.6.1.2 Review data file transfer system requirements document	BCWS	0	0	4,530
2.7.1.6.1.3 Finalize data file transfer system requirements document	BCWS	0	0	0
2.7.1.6.10 Review data file transfer system, tests and documentation f	BCWS	0	0	0
2.7.1.6.2.1 Data file transfer system design document draft	BCWS	0	0	0
2.7.1.6.2.2 Review data file transfer system design document	BCWS	0	0	0
2.7.1.6.2.3 Finalize data file transfer system design document	BCWS	0	0	0
2.7.1.6.3 Develop initial data file transfer agent	BCWS	0	0	0
2.7.1.6.4 Integrate transfer agent with the mass storage system	BCWS	0	0	0
2.7.1.6.5 Integrate data file transfer system with the error handling	BCWS	0	0	0
2.7.1.6.6 Integrate data file transfer system with run control	BCWS	0	0	0
2.7.1.6.7 Write data file transfer system test and verification suite	BCWS	0	0	0
2.7.1.6.8 Write data file transfer system user documentation for softw	BCWS	0	0	0
2.7.1.6.9 Perform data file transfer system tests and verification for	BCWS	0	0	0
2.7.1.7.1 Develop framework code for DAQ monitoring systems	BCWS	0	0	21,302
2.7.1.7.10 Review DAQ monitoring system, tests and documentation for s	BCWS	0	0	4,271
2.7.1.7.2 Integrate DAQ monitoring framework with the message passing	BCWS	0	0	5,048
2.7.1.7.3 Integrate DAQ monitoring framework with the error handling s	BCWS	0	0	2,718
2.7.1.7.4 Develop generic GUI framework for the DAQ monitoring system	BCWS	0	0	20,968
2.7.1.7.5 Integrate DAQ monitoring framework with the online monitorin	BCWS	0	0	10,484
2.7.1.7.6 Develop DAQ monitoring application	BCWS	0	0	10,484
2.7.1.7.7 Write DAQ monitoring system test and verification suite for	BCWS	0	0	10,872
2.7.1.7.8 Write DAQ monitoring system user documentation for software	BCWS	0	0	5,436
2.7.1.7.9 Perform DAQ monitoring system tests and verification for sof	BCWS	0	0	1,942
2.7.1.7.12 Develop framework code for DAQ monitoring systems-Part 2	BCWS	0	0	12,814
2.7.1.8.1.1 Event monitor system requirements document draft	BCWS	0	0	0

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.7.1.8.1.2 Review event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.3 Finalize event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.10 Update event monitoring system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.11 Update event monitoring system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.12 Perform event monitoring system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.13 Review event monitoring system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.1 Event monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.3 Finalize event monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.1 Find candidates for event monitor software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.2 Evaluate event monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.3 Review event monitor software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.4 Develop framework code for event monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.5 Integrate event monitoring framework with the message passin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.6 Integrate event monitoring framework with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.7 Develop generic GUI framework for the event monitoring syste	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.8 Integrate event monitoring framework with the online monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.9 Develop event monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.1 Event display system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.3 Finalize event display system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.10 Write event display software test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.11 Write event display software user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.12 Perform event display software tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.13 Review event display software, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.1 Event display system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.2 Review event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.3 Finalize event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.1 Find candidates for event display software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.2 Evaluate event display software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.3 Review event display software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.4 Develop framework code for event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.5 Integrate event display framework with the message passing s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.6 Integrate event display framework with the error handling sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.7 Develop generic GUI framework for the event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.8 Integrate event display framework with the online monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.9 Develop event display application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.2 Embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.2 Manufacturing assembly and test specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.3 Manufacturing review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.4 Write purchase request	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.6 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.10 Procure and assemble remaining ND DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.7.1.8.1.2 Review event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.3 Finalize event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.10 Update event monitoring system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.11 Update event monitoring system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.12 Perform event monitoring system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.13 Review event monitoring system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.1 Event monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.3 Finalize event monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.1 Find candidates for event monitor software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.2 Evaluate event monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.3 Review event monitor software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.4 Develop framework code for event monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.5 Integrate event monitoring framework with the message passin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.6 Integrate event monitoring framework with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.7 Develop generic GUI framework for the event monitoring syste	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.8 Integrate event monitoring framework with the online monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.9 Develop event monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.1 Event display system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.3 Finalize event display system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.10 Write event display software test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.11 Write event display software user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.12 Perform event display software tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.13 Review event display software, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.1 Event display system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.2 Review event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.3 Finalize event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.1 Find candidates for event display software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.2 Evaluate event display software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.3 Review event display software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.4 Develop framework code for event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.5 Integrate event display framework with the message passing s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.6 Integrate event display framework with the error handling sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.7 Develop generic GUI framework for the event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.8 Integrate event display framework with the online monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.9 Develop event display application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.2 Embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.2 Manufacturing assembly and test specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.3 Manufacturing review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.4 Write purchase request	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.6 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.10 Procure and assemble remaining ND DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.7.1.8.1.2 Review event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.3 Finalize event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.10 Update event monitoring system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.11 Update event monitoring system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.12 Perform event monitoring system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.13 Review event monitoring system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.1 Event monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.3 Finalize event monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.1 Find candidates for event monitor software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.2 Evaluate event monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.3 Review event monitor software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.4 Develop framework code for event monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.5 Integrate event monitoring framework with the message passin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.6 Integrate event monitoring framework with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.7 Develop generic GUI framework for the event monitoring syste	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.8 Integrate event monitoring framework with the online monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.9 Develop event monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.1 Event display system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.3 Finalize event display system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.10 Write event display software test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.11 Write event display software user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.12 Perform event display software tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.13 Review event display software, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.1 Event display system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.2 Review event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.3 Finalize event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.1 Find candidates for event display software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.2 Evaluate event display software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.3 Review event display software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.4 Develop framework code for event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.5 Integrate event display framework with the message passing s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.6 Integrate event display framework with the error handling sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.7 Develop generic GUI framework for the event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.8 Integrate event display framework with the online monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.9 Develop event display application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	11,341	9,279	0
2.7.2.1.1.2 Embedded software	BCWS	0	0	0	0	0	0	0	0	10,651	0	0
2.7.2.1.2.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	4,328	0	0
2.7.2.1.2.2 Manufacturing assembly and test specifications document	BCWS	0	0	0	0	0	0	0	0	4,328	0	0
2.7.2.1.2.3 Manufacturing review	BCWS	0	0	0	0	0	0	0	0	412	619	0
2.7.2.1.2.4.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	2,062	0	0
2.7.2.1.2.4.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	3,093	0	0
2.7.2.1.2.4.4 Write purchase request	BCWS	0	0	0	0	0	0	0	0	825	1,237	0
2.7.2.1.2.4.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	1,031	0
2.7.2.1.2.4.6 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	206	687
2.7.2.1.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.10 Procure and assemble remaining ND DCMs	BCWS	0	0	0	0	0	0	0	0	2,213	42,040	0
2.7.2.1.3.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	15,122	5,499	0
2.7.2.1.3.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	5,671	4,640
2.7.2.2.1.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	2,062	0	0
2.7.2.2.1.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	5,155	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.7.1.8.1.2 Review event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.3 Finalize event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.10 Update event monitoring system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.11 Update event monitoring system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.12 Perform event monitoring system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.13 Review event monitoring system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.1 Event monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.3 Finalize event monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.1 Find candidates for event monitor software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.2 Evaluate event monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.3 Review event monitor software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.4 Develop framework code for event monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.5 Integrate event monitoring framework with the message passin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.6 Integrate event monitoring framework with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.7 Develop generic GUI framework for the event monitoring syste	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.8 Integrate event monitoring framework with the online monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.9 Develop event monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.1 Event display system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.3 Finalize event display system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.10 Write event display software test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.11 Write event display software user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.12 Perform event display software tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.13 Review event display software, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.1 Event display system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.2 Review event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.3 Finalize event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.1 Find candidates for event display software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.2 Evaluate event display software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.3 Review event display software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.4 Develop framework code for event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.5 Integrate event display framework with the message passing s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.6 Integrate event display framework with the error handling sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.7 Develop generic GUI framework for the event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.8 Integrate event display framework with the online monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.9 Develop event display application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.2 Embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.2 Manufacturing assembly and test specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.3 Manufacturing review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.4 Write purchase request	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.6 Obtain DOE approvals	BCWS	137	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.10 Procure and assemble remaining ND DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.7.1.8.1.2 Review event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.3 Finalize event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.10 Update event monitoring system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.11 Update event monitoring system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.12 Perform event monitoring system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.13 Review event monitoring system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.1 Event monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.3 Finalize event monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.1 Find candidates for event monitor software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.2 Evaluate event monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.3 Review event monitor software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.4 Develop framework code for event monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.5 Integrate event monitoring framework with the message passin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.6 Integrate event monitoring framework with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.7 Develop generic GUI framework for the event monitoring syste	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.8 Integrate event monitoring framework with the online monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.9 Develop event monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.1 Event display system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.3 Finalize event display system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.10 Write event display software test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.11 Write event display software user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.12 Perform event display software tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.13 Review event display software, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.1 Event display system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.2 Review event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.3 Finalize event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.1 Find candidates for event display software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.2 Evaluate event display software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.3 Review event display software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.4 Develop framework code for event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.5 Integrate event display framework with the message passing s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.6 Integrate event display framework with the error handling sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.7 Develop generic GUI framework for the event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.8 Integrate event display framework with the online monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.9 Develop event display application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.2 Embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.2 Manufacturing assembly and test specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.3 Manufacturing review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.4 Write purchase request	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.6 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.8 Place purchase orders	BCWS	0	0	204,195	426,953	111,379	0	0	0	0	0	0
2.7.2.1.2.6.1 Standalone board tests	BCWS	0	0	0	0	4,401	6,602	0	0	0	0	0
2.7.2.1.2.6.2 Interface tests	BCWS	0	0	0	0	4,401	6,602	0	0	0	0	0
2.7.2.1.2.9.1 Standalone board tests	BCWS	0	0	0	0	0	2,727	14,997	9,544	0	0	0
2.7.2.1.2.9.2 Interface tests	BCWS	0	0	0	0	0	2,424	13,331	2,424	0	0	0
2.7.2.1.2.10 Procure and assemble remaining ND DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.7.1.8.1.2 Review event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.3 Finalize event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.10 Update event monitoring system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.11 Update event monitoring system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.12 Perform event monitoring system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.13 Review event monitoring system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.1 Event monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.3 Finalize event monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.1 Find candidates for event monitor software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.2 Evaluate event monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.3 Review event monitor software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.4 Develop framework code for event monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.5 Integrate event monitoring framework with the message passin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.6 Integrate event monitoring framework with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.7 Develop generic GUI framework for the event monitoring syste	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.8 Integrate event monitoring framework with the online monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.9 Develop event monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.1 Event display system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.3 Finalize event display system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.10 Write event display software test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.11 Write event display software user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.12 Perform event display software tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.13 Review event display software, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.1 Event display system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.2 Review event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.3 Finalize event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.1 Find candidates for event display software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.2 Evaluate event display software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.3 Review event display software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.4 Develop framework code for event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.5 Integrate event display framework with the message passing s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.6 Integrate event display framework with the error handling sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.7 Develop generic GUI framework for the event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.8 Integrate event display framework with the online monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.9 Develop event display application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.2 Embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.2 Manufacturing assembly and test specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.3 Manufacturing review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.4 Write purchase request	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.6 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.10 Procure and assemble remaining ND DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.7.1.8.1.2 Review event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.3 Finalize event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.10 Update event monitoring system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.11 Update event monitoring system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.12 Perform event monitoring system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.13 Review event monitoring system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.1 Event monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.3 Finalize event monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.1 Find candidates for event monitor software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.2 Evaluate event monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.3 Review event monitor software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.4 Develop framework code for event monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.5 Integrate event monitoring framework with the message passin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.6 Integrate event monitoring framework with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.7 Develop generic GUI framework for the event monitoring syste	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.8 Integrate event monitoring framework with the online monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.9 Develop event monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.1 Event display system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.3 Finalize event display system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.10 Write event display software test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.11 Write event display software user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.12 Perform event display software tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.13 Review event display software, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.1 Event display system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.2 Review event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.3 Finalize event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.1 Find candidates for event display software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.2 Evaluate event display software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.3 Review event display software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.4 Develop framework code for event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.5 Integrate event display framework with the message passing s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.6 Integrate event display framework with the error handling sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.7 Develop generic GUI framework for the event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.8 Integrate event display framework with the online monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.9 Develop event display application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.2 Embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.2 Manufacturing assembly and test specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.3 Manufacturing review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.4 Write purchase request	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.6 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.10 Procure and assemble remaining ND DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.7.1.8.1.2 Review event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.1.3 Finalize event monitor system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.10 Update event monitoring system test and verification suite	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.11 Update event monitoring system user documentation for softw	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.12 Perform event monitoring system tests and verification for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.13 Review event monitoring system, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.1 Event monitor system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.2.3 Finalize event monitor system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.1 Find candidates for event monitor software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.2 Evaluate event monitor software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.3.3 Review event monitor software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.4 Develop framework code for event monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.5 Integrate event monitoring framework with the message passin	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.6 Integrate event monitoring framework with the error handling	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.7 Develop generic GUI framework for the event monitoring syste	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.8 Integrate event monitoring framework with the online monitor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.8.9 Develop event monitoring application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.1 Event display system requirements document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.1.3 Finalize event display system requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.10 Write event display software test and verification suite fo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.11 Write event display software user documentation for softwar	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.12 Perform event display software tests and verification for s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.13 Review event display software, tests and documentation for	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.1 Event display system design document draft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.2 Review event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.2.3 Finalize event display system design document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.1 Find candidates for event display software and development	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.2 Evaluate event display software and development languages	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.3.3 Review event display software and development languages ev	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.4 Develop framework code for event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.5 Integrate event display framework with the message passing s	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.6 Integrate event display framework with the error handling sy	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.7 Develop generic GUI framework for the event display software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.8 Integrate event display framework with the online monitoring	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.1.9.9 Develop event display application	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.1.2 Embedded software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.2 Manufacturing assembly and test specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.3 Manufacturing review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.4 Write purchase request	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.6 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.6.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.9.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.2.10 Procure and assemble remaining ND DCMs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.1.3.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.1.1 Prepare specifications document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.2.1 Schematic entry	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.7.1.8.1.2 Review event monitor system requirements document	BCWS	0	0	0
2.7.1.8.1.3 Finalize event monitor system requirements document	BCWS	0	0	0
2.7.1.8.10 Update event monitoring system test and verification suite	BCWS	0	0	0
2.7.1.8.11 Update event monitoring system user documentation for softw	BCWS	0	0	0
2.7.1.8.12 Perform event monitoring system tests and verification for	BCWS	0	0	0
2.7.1.8.13 Review event monitoring system, tests and documentation for	BCWS	0	0	0
2.7.1.8.2.1 Event monitor system design document draft	BCWS	0	0	0
2.7.1.8.2.3 Finalize event monitor system design document	BCWS	0	0	0
2.7.1.8.3.1 Find candidates for event monitor software and development	BCWS	0	0	0
2.7.1.8.3.2 Evaluate event monitor software and development languages	BCWS	0	0	0
2.7.1.8.3.3 Review event monitor software and development languages ev	BCWS	0	0	0
2.7.1.8.4 Develop framework code for event monitoring software	BCWS	0	0	0
2.7.1.8.5 Integrate event monitoring framework with the message passin	BCWS	0	0	0
2.7.1.8.6 Integrate event monitoring framework with the error handling	BCWS	0	0	0
2.7.1.8.7 Develop generic GUI framework for the event monitoring syste	BCWS	0	0	0
2.7.1.8.8 Integrate event monitoring framework with the online monitor	BCWS	0	0	0
2.7.1.8.9 Develop event monitoring application	BCWS	0	0	0
2.7.1.9.1.1 Event display system requirements document draft	BCWS	0	0	0
2.7.1.9.1.3 Finalize event display system requirements document	BCWS	0	0	0
2.7.1.9.10 Write event display software test and verification suite fo	BCWS	0	0	0
2.7.1.9.11 Write event display software user documentation for softwar	BCWS	0	0	0
2.7.1.9.12 Perform event display software tests and verification for s	BCWS	0	0	0
2.7.1.9.13 Review event display software, tests and documentation for	BCWS	0	0	0
2.7.1.9.2.1 Event display system design document draft	BCWS	0	0	0
2.7.1.9.2.2 Review event display system design document	BCWS	0	0	0
2.7.1.9.2.3 Finalize event display system design document	BCWS	0	0	0
2.7.1.9.3.1 Find candidates for event display software and development	BCWS	0	0	0
2.7.1.9.3.2 Evaluate event display software and development languages	BCWS	0	0	0
2.7.1.9.3.3 Review event display software and development languages ev	BCWS	0	0	0
2.7.1.9.4 Develop framework code for event display software	BCWS	0	0	0
2.7.1.9.5 Integrate event display framework with the message passing s	BCWS	0	0	0
2.7.1.9.6 Integrate event display framework with the error handling sy	BCWS	0	0	0
2.7.1.9.7 Develop generic GUI framework for the event display software	BCWS	0	0	0
2.7.1.9.8 Integrate event display framework with the online monitoring	BCWS	0	0	0
2.7.1.9.9 Develop event display application	BCWS	0	0	0
2.7.2.1.1.1 Firmware design	BCWS	0	0	20,620
2.7.2.1.1.2 Embedded software	BCWS	0	0	10,651
2.7.2.1.2.1 Manufacturing requirements document	BCWS	0	0	4,328
2.7.2.1.2.2 Manufacturing assembly and test specifications document	BCWS	0	0	4,328
2.7.2.1.2.3 Manufacturing review	BCWS	0	0	1,031
2.7.2.1.2.4.1 Write RFQ	BCWS	0	0	2,062
2.7.2.1.2.4.3 Evaluate bids	BCWS	0	0	3,093
2.7.2.1.2.4.4 Write purchase request	BCWS	0	0	2,062
2.7.2.1.2.4.5 Obtain project approvals	BCWS	0	0	1,031
2.7.2.1.2.4.6 Obtain DOE approvals	BCWS	0	0	1,031
2.7.2.1.2.4.8 Place purchase orders	BCWS	0	0	742,527
2.7.2.1.2.6.1 Standalone board tests	BCWS	0	0	11,004
2.7.2.1.2.6.2 Interface tests	BCWS	0	0	11,004
2.7.2.1.2.9.1 Standalone board tests	BCWS	0	0	27,267
2.7.2.1.2.9.2 Interface tests	BCWS	0	0	18,178
2.7.2.1.2.10 Procure and assemble remaining ND DCMs	BCWS	0	0	44,253
2.7.2.1.3.1 Perform FMEA tests and analysis	BCWS	0	0	20,620
2.7.2.1.3.2 Write failure modes and effects analysis document	BCWS	0	0	10,310
2.7.2.2.1.1.1 Prepare specifications document	BCWS	0	0	2,062
2.7.2.2.1.2.1 Schematic entry	BCWS	0	0	5,155

Program:	Description:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.7.2.2.1.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.3 Assemble pre-production version	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.1 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.5.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.4 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.7 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.4 Production assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.2 Write failure modes and affects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.8 Procure and assemble remaining ND TDUs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.10 Assemble equipment and infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.7 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.9 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.7.2.2.1.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.3 Assemble pre-production version	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.1 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.5.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.4 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.7 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.4 Production assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.2 Write failure modes and affects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.8 Procure and assemble remaining ND TDUs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.10 Assemble equipment and infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.7 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.9 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.7.2.2.1.3 Board design	BCWS	0	0	0	0	0	0	0	0	7,358	1,299	0
2.7.2.2.1.4 Simulation	BCWS	0	0	0	0	0	0	0	0	13,145	2,320	0
2.7.2.2.2.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	2,062	0
2.7.2.2.2.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	1,031	0
2.7.2.2.2.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	759	3,035
2.7.2.2.2.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.3 Assemble pre-production version	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.1 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.5.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	10,310	0	0
2.7.2.2.6.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	866	3,463	0
2.7.2.2.6.2.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	2,062	0
2.7.2.2.6.2.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	309	2,784
2.7.2.2.6.2.4 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.7 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.4 Production assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.2 Write failure modes and affects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.8 Procure and assemble remaining ND TDUs	BCWS	0	0	0	0	0	0	0	0	16,243	0	0
2.7.2.3.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	2,062	0	0
2.7.2.3.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	3,093	0	0
2.7.2.3.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	412	1,650	0
2.7.2.3.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	1,031	0
2.7.2.3.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.10 Assemble equipment and infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	2,062	0	0
2.7.2.4.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	3,093	0	0
2.7.2.4.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	412	1,650	0
2.7.2.4.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	1,031	0
2.7.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	2,062	0	0
2.7.2.5.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	3,093	0	0
2.7.2.5.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	412	1,650	0
2.7.2.5.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	1,031	0
2.7.2.5.7 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	172	687
2.7.2.5.9 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	2,062	0	0
2.7.2.6.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	3,093	0	0
2.7.2.6.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	412	1,650	0
2.7.2.6.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	1,031	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.7.2.2.1.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.3 Assemble pre-production version	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.1 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.5.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.4 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.7 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.4 Production assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.2 Write failure modes and affects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.8 Procure and assemble remaining ND TDUs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.10 Assemble equipment and infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.7 Obtain DOE approvals	BCWS	172	0	0	0	0	0	0	0	0	0	0
2.7.2.5.9 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.7.2.2.1.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.4 Place purchase orders	BCWS	0	0	19,480	0	0	0	0	0	0	0	0
2.7.2.2.2.3 Assemble pre-production version	BCWS	0	0	0	8,862	14,315	4,090	0	0	0	0	0
2.7.2.2.3.1 Perform standalone board tests	BCWS	0	0	0	0	0	17,642	17,642	0	0	0	0
2.7.2.2.3.2 Perform interface tests	BCWS	0	0	0	0	0	0	6,970	12,944	0	0	0
2.7.2.2.5.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.4 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	2,165	0	0
2.7.2.2.6.2.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	433	649	0
2.7.2.2.6.2.7 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	32,216	32,950
2.7.2.2.6.4 Production assembly	BCWS	0	0	0	0	0	0	0	0	0	0	7,144
2.7.2.2.6.5.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.2 Write failure modes and affects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.8 Procure and assemble remaining ND TDUs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.10 Test	BCWS	0	0	0	9,089	0	0	0	0	0	0	0
2.7.2.3.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	1,082	9,742	0	0	0	0	0	0
2.7.2.3.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	1,624	3,789	0	0	0	0	0
2.7.2.3.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.8 Place purchase orders	BCWS	0	0	108,236	0	0	0	0	0	0	0	0
2.7.2.4.10 Assemble equipment and infrastructure	BCWS	0	0	0	8,180	14,315	4,772	0	0	0	0	0
2.7.2.4.11 Test	BCWS	0	0	0	0	0	13,940	5,974	0	0	0	0
2.7.2.4.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	8,660	2,165	0	0	0
2.7.2.4.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	5,412	0	0	0
2.7.2.4.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.8 Place purchase orders	BCWS	0	0	34,988	0	0	0	0	0	0	0	0
2.7.2.5.11 Test	BCWS	0	0	0	1,212	12,725	4,242	0	0	0	0	0
2.7.2.5.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	7,577	3,247	0	0	0	0
2.7.2.5.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	5,412	0	0	0	0
2.7.2.5.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.7 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.9 Place purchase orders	BCWS	0	0	260,300	260,300	0	0	0	0	0	0	0
2.7.2.6.10 Test	BCWS	0	0	0	4,545	0	0	0	0	0	0	0
2.7.2.6.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	1,082	9,742	0	0	0	0	0	0
2.7.2.6.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	1,624	3,789	0	0	0	0	0
2.7.2.6.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.7.2.2.1.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.3 Assemble pre-production version	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.1 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.5.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.4 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.7 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.4 Production assembly	BCWS	14,288	7,144	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.1 Standalone board tests	BCWS	0	4,286	5,239	0	0	0	0	0	0	0	0
2.7.2.2.6.5.2 Interface tests	BCWS	0	4,286	476	0	0	0	0	0	0	0	0
2.7.2.2.7.1 Perform FMEA tests and analysis	BCWS	0	5,105	6,239	0	0	0	0	0	0	0	0
2.7.2.2.7.2 Write failure modes and affects analysis document	BCWS	0	0	5,105	567	0	0	0	0	0	0	0
2.7.2.2.8 Procure and assemble remaining ND TDUs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.10 Assemble equipment and infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.7 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.9 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.7.2.2.1.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.3 Assemble pre-production version	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.1 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.5.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.4 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.7 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.4 Production assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.2 Write failure modes and affects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.8 Procure and assemble remaining ND TDUs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.10 Assemble equipment and infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.7 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.9 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.7.2.2.1.3 Board design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.1.4 Simulation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.1 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.2 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.3 Write purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.1.4 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.2.3 Assemble pre-production version	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.1 Perform standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.3.2 Perform interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.5.1 Firmware design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.1 Manufacturing requirements document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.1 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.3 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.4 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.5 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.2.7 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.4 Production assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.1 Standalone board tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.6.5.2 Interface tests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.7.2 Write failure modes and affects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.2.8 Procure and assemble remaining ND TDUs	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.3.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.10 Assemble equipment and infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.4.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.11 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.12.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.7 Obtain DOE approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.5.9 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.6.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.7.2.2.1.3 Board design	BCWS	0	0	8,657
2.7.2.2.1.4 Simulation	BCWS	0	0	15,465
2.7.2.2.2.1.1 Write purchase requests	BCWS	0	0	2,062
2.7.2.2.2.1.2 Obtain project approvals	BCWS	0	0	1,031
2.7.2.2.2.1.3 Write purchase orders	BCWS	0	0	3,793
2.7.2.2.2.1.4 Place purchase orders	BCWS	0	0	19,480
2.7.2.2.2.3 Assemble pre-production version	BCWS	0	0	27,267
2.7.2.2.3.1 Perform standalone board tests	BCWS	0	0	35,283
2.7.2.2.3.2 Perform interface tests	BCWS	0	0	19,914
2.7.2.2.5.1 Firmware design	BCWS	0	0	10,310
2.7.2.2.6.1 Manufacturing requirements document	BCWS	0	0	4,328
2.7.2.2.6.2.1 Write RFQ	BCWS	0	0	2,062
2.7.2.2.6.2.3 Evaluate bids	BCWS	0	0	3,093
2.7.2.2.6.2.4 Write purchase requests	BCWS	0	0	2,165
2.7.2.2.6.2.5 Obtain project approvals	BCWS	0	0	1,082
2.7.2.2.6.2.7 Place purchase orders	BCWS	0	0	65,166
2.7.2.2.6.4 Production assembly	BCWS	0	0	28,576
2.7.2.2.6.5.1 Standalone board tests	BCWS	0	0	9,525
2.7.2.2.6.5.2 Interface tests	BCWS	0	0	4,763
2.7.2.2.7.1 Perform FMEA tests and analysis	BCWS	0	0	11,344
2.7.2.2.7.2 Write failure modes and affects analysis document	BCWS	0	0	5,672
2.7.2.2.8 Procure and assemble remaining ND TDUs	BCWS	0	0	16,243
2.7.2.3.10 Test	BCWS	0	0	9,089
2.7.2.3.11.1 Perform FMEA tests and analysis	BCWS	0	0	10,825
2.7.2.3.11.2 Write failure modes and effects analysis document	BCWS	0	0	5,412
2.7.2.3.2 Write RFQ	BCWS	0	0	2,062
2.7.2.3.4 Evaluate bids	BCWS	0	0	3,093
2.7.2.3.5 Write purchase requests	BCWS	0	0	2,062
2.7.2.3.6 Obtain project approvals	BCWS	0	0	1,031
2.7.2.3.8 Place purchase orders	BCWS	0	0	108,236
2.7.2.4.10 Assemble equipment and infrastructure	BCWS	0	0	27,267
2.7.2.4.11 Test	BCWS	0	0	19,914
2.7.2.4.12.1 Perform FMEA tests and analysis	BCWS	0	0	10,825
2.7.2.4.12.2 Write failure modes and effects analysis document	BCWS	0	0	5,412
2.7.2.4.2 Write RFQ	BCWS	0	0	2,062
2.7.2.4.4 Evaluate bids	BCWS	0	0	3,093
2.7.2.4.5 Write purchase requests	BCWS	0	0	2,062
2.7.2.4.6 Obtain project approvals	BCWS	0	0	1,031
2.7.2.4.8 Place purchase orders	BCWS	0	0	34,988
2.7.2.5.11 Test	BCWS	0	0	18,178
2.7.2.5.12.1 Perform FMEA tests and analysis	BCWS	0	0	10,825
2.7.2.5.12.2 Write failure modes and effects analysis document	BCWS	0	0	5,412
2.7.2.5.2 Write RFQ	BCWS	0	0	2,062
2.7.2.5.4 Evaluate bids	BCWS	0	0	3,093
2.7.2.5.5 Write purchase requests	BCWS	0	0	2,062
2.7.2.5.6 Obtain project approvals	BCWS	0	0	1,031
2.7.2.5.7 Obtain DOE approvals	BCWS	0	0	1,031
2.7.2.5.9 Place purchase orders	BCWS	0	0	520,600
2.7.2.6.10 Test	BCWS	0	0	4,545
2.7.2.6.11.1 Perform FMEA tests and analysis	BCWS	0	0	10,825
2.7.2.6.11.2 Write failure modes and effects analysis document	BCWS	0	0	5,412
2.7.2.6.2 Write RFQ	BCWS	0	0	2,062
2.7.2.6.4 Evaluate bids	BCWS	0	0	3,093
2.7.2.6.5 Write purchase requests	BCWS	0	0	2,062
2.7.2.6.6 Obtain project approvals	BCWS	0	0	1,031

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.7.2.6.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.1 Upgrade integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.2 Integrate data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.3 Integrate timing system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.1 Integrate RCS multinode	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.2 Integrate data storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.3 Integrate RCS partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.2 Consultation - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.3 Consultation - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.4 Consultation - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.5 Consultation - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.6 Consultation - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.1 Procure DCS Master control servers w/ video display interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.10 Procure DCS mobil stations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.11 Procure DCS master buffered gigabit ethernet switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.12 Procure DCS second level 24 port gigabit switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.13 Procure DCS wireless access points (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.14 Procure network cabling for DCS readouts (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.15 Procure fiber interconnect (second level switch to master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.2 Procure DCS readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.3 Procure DCS far site local logger station w/ 3TB raid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.4 Procure DCS display consoles for far site and FNAL control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.5 Procure DCS far site server cabinets (42U 19inch rack)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.6 Procure DCS KVM switch for readout node cluster	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.7 Procure network cabling for DCS readout farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.8 Procure power protection circuits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.9 Procure power backup device (10kVA UPS)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.1 Procure water pumping/cooling and environmental readout st	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.3 Procure sensor packs for water systems, env, rack mon.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.10 Conduct DCS full production system review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.1 Configure and test master control server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.2 Configure and test readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.3 Configure and test data logging server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.4 Install servers and switches in far site eletronics room	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.5 Install control room displays and monitoring facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.6 Install DCSNet network infrastructure and switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.7 Verify network and cluster stablity at far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.8 Perform security audit of far detector computer systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.1 Install field point stations for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.2 Install sensor packs for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.3 Install readout connections to misc. devices for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.1 Test DCS subsystem readout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.2 Test DCS subsystem alarm notification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.3 Test DCS subsystem controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.4 Test DCS remote operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.5 Test DCS full-scale integration	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.7.2.6.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.1 Upgrade integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.2 Integrate data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.3 Integrate timing system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.1 Integrate RCS multinode	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.2 Integrate data storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.3 Integrate RCS partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.2 Consultation - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.3 Consultation - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.4 Consultation - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.5 Consultation - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.6 Consultation - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.1 Procure DCS Master control servers w/ video display interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.10 Procure DCS mobil stations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.11 Procure DCS master buffered gigabit ethernet switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.12 Procure DCS second level 24 port gigabit switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.13 Procure DCS wireless access points (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.14 Procure network cabling for DCS readouts (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.15 Procure fiber interconnect (second level switch to master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.2 Procure DCS readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.3 Procure DCS far site local logger station w/ 3TB raid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.4 Procure DCS display consoles for far site and FNAL control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.5 Procure DCS far site server cabinets (42U 19inch rack)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.6 Procure DCS KVM switch for readout node cluster	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.7 Procure network cabling for DCS readout farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.8 Procure power protection circuits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.9 Procure power backup device (10kVA UPS)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.1 Procure water pumping/cooling and environmental readout st	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.3 Procure sensor packs for water systems, env, rack mon.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.10 Conduct DCS full production system review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.1 Configure and test master control server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.2 Configure and test readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.3 Configure and test data logging server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.4 Install servers and switches in far site eletronics room	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.5 Install control room displays and monitoring facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.6 Install DCSNet network infrastructure and switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.7 Verify network and cluster stablity at far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.8 Perform security audit of far detector computer systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.1 Install field point stations for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.2 Install sensor packs for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.3 Install readout connections to misc. devices for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.1 Test DCS subsystem readout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.2 Test DCS subsystem alarm notification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.3 Test DCS subsystem controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.4 Test DCS remote operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.5 Test DCS full-scale integration	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.7.2.6.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	2,062	0	0
2.7.2.7.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	3,093	0	0
2.7.2.7.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	412	1,650	0
2.7.2.7.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	1,031	0
2.7.2.7.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.1 Upgrade integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.2 Integrate data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.3 Integrate timing system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.1 Integrate RCS multinode	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.2 Integrate data storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.3 Integrate RCS partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.2 Consultation - FY09	BCWS	0	0	0	0	0	0	0	0	27,314	0	0
2.7.3.3.3 Consultation - FY10	BCWS	0	0	0	0	0	0	0	0	7,087	6,121	6,443
2.7.3.3.4 Consultation - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.5 Consultation - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.6 Consultation - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.1 Procure DCS Master control servers w/ video display interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.10 Procure DCS mobil stations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.11 Procure DCS master buffered gigabit ethernet switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.12 Procure DCS second level 24 port gigabit switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.13 Procure DCS wireless access points (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.14 Procure network cabling for DCS readouts (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.15 Procure fiber interconnect (second level switch to master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.2 Procure DCS readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.3 Procure DCS far site local logger station w/ 3TB raid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.4 Procure DCS display consoles for far site and FNAL control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.5 Procure DCS far site server cabinets (42U 19inch rack)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.6 Procure DCS KVM switch for readout node cluster	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.7 Procure network cabling for DCS readout farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.8 Procure power protection circuits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.9 Procure power backup device (10kVA UPS)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.1 Procure water pumping/cooling and environmental readout st	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.3 Procure sensor packs for water systems, env, rack mon.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.10 Conduct DCS full production system review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.1 Configure and test master control server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.2 Configure and test readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.3 Configure and test data logging server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.4 Install servers and switches in far site eletronics room	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.5 Install control room displays and monitoring facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.6 Install DCSNet network infrastructure and switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.7 Verify network and cluster stablity at far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.8 Perform security audit of far detector computer systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.1 Install field point stations for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.2 Install sensor packs for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.3 Install readout connections to misc. devices for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.1 Test DCS subsystem readout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.2 Test DCS subsystem alarm notification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.3 Test DCS subsystem controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.4 Test DCS remote operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.5 Test DCS full-scale integration	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.7.2.6.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.1 Upgrade integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.2 Integrate data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.3 Integrate timing system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.1 Integrate RCS multinode	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.2 Integrate data storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.3 Integrate RCS partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.2 Consultation - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.3 Consultation - FY10	BCWS	6,121	6,443	7,409	7,087	6,443	7,087	6,765	7,087	6,443	0	0
2.7.3.3.4 Consultation - FY11	BCWS	0	0	0	0	0	0	0	0	0	3,551	3,382
2.7.3.3.5 Consultation - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.6 Consultation - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.1 Procure DCS Master control servers w/ video display interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.10 Procure DCS mobil stations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.11 Procure DCS master buffered gigabit ethernet switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.12 Procure DCS second level 24 port gigabit switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.13 Procure DCS wireless access points (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.14 Procure network cabling for DCS readouts (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.15 Procure fiber interconnect (second level switch to master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.2 Procure DCS readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.3 Procure DCS far site local logger station w/ 3TB raid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.4 Procure DCS display consoles for far site and FNAL control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.5 Procure DCS far site server cabinets (42U 19inch rack)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.6 Procure DCS KVM switch for readout node cluster	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.7 Procure network cabling for DCS readout farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.8 Procure power protection circuits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.9 Procure power backup device (10kVA UPS)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.1 Procure water pumping/cooling and environmental readout st	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.3 Procure sensor packs for water systems, env, rack mon.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.10 Conduct DCS full production system review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.1 Configure and test master control server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.2 Configure and test readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.3 Configure and test data logging server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.4 Install servers and switches in far site eletronics room	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.5 Install control room displays and monitoring facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.6 Install DCSNet network infrastructure and switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.7 Verify network and cluster stablity at far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.8 Perform security audit of far detector computer systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.1 Install field point stations for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.2 Install sensor packs for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.3 Install readout connections to misc. devices for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.1 Test DCS subsystem readout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.2 Test DCS subsystem alarm notification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.3 Test DCS subsystem controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.4 Test DCS remote operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.5 Test DCS full-scale integration	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.7.2.6.8 Place purchase orders	BCWS	0	0	34,479	0	0	0	0	0	0	0	0
2.7.2.7.10 Test	BCWS	0	0	0	7,271	10,907	0	0	0	0	0	0
2.7.2.7.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	1,624	9,201	0	0	0	0	0
2.7.2.7.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	2,165	3,247	0	0	0	0
2.7.2.7.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.8 Place purchase orders	BCWS	0	0	114,675	0	0	0	0	0	0	0	0
2.7.2.8.1 Procure database computers	BCWS	0	0	2,827	5,419	1,178	0	0	0	0	0	0
2.7.3.1.1 Upgrade integration test stand	BCWS	0	0	0	0	0	3,983	0	0	0	0	0
2.7.3.1.2 Integrate data concentrators	BCWS	0	0	0	0	0	0	0	7,966	30,535	1,328	0
2.7.3.1.3 Integrate timing system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.1 Integrate RCS multinode	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.2 Integrate data storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.3 Integrate RCS partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.2 Consultation - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.3 Consultation - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.4 Consultation - FY11	BCWS	3,382	3,213	3,382	3,890	3,551	3,551	3,721	3,382	3,890	3,382	0
2.7.3.3.5 Consultation - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	3,722
2.7.3.3.6 Consultation - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.1 Procure DCS Master control servers w/ video display interf	BCWS	0	5,136	906	0	0	0	0	0	0	0	0
2.7.4.1.1.10 Procure DCS mobil stations	BCWS	0	3,281	1,544	0	0	0	0	0	0	0	0
2.7.4.1.1.11 Procure DCS master buffered gigabit ethernet switch	BCWS	0	4,971	877	0	0	0	0	0	0	0	0
2.7.4.1.1.12 Procure DCS second level 24 port gigabit switches	BCWS	0	4,370	771	0	0	0	0	0	0	0	0
2.7.4.1.1.13 Procure DCS wireless access points (far hall)	BCWS	0	4,938	871	0	0	0	0	0	0	0	0
2.7.4.1.1.14 Procure network cabling for DCS readouts (far hall)	BCWS	0	751	0	0	0	0	0	0	0	0	0
2.7.4.1.1.15 Procure fiber interconnect (second level switch to master	BCWS	0	1,342	0	0	0	0	0	0	0	0	0
2.7.4.1.1.2 Procure DCS readout IOC nodes	BCWS	0	21,864	3,858	0	0	0	0	0	0	0	0
2.7.4.1.1.3 Procure DCS far site local logger station w/ 3TB raid	BCWS	0	4,460	2,099	0	0	0	0	0	0	0	0
2.7.4.1.1.4 Procure DCS display consoles for far site and FNAL control	BCWS	0	12,018	2,121	0	0	0	0	0	0	0	0
2.7.4.1.1.5 Procure DCS far site server cabinets (42U 19inch rack)	BCWS	0	1,607	284	0	0	0	0	0	0	0	0
2.7.4.1.1.6 Procure DCS KVM switch for readout node cluster	BCWS	0	350	62	0	0	0	0	0	0	0	0
2.7.4.1.1.7 Procure network cabling for DCS readout farm	BCWS	0	300	0	0	0	0	0	0	0	0	0
2.7.4.1.1.8 Procure power protection circuits	BCWS	0	621	110	0	0	0	0	0	0	0	0
2.7.4.1.1.9 Procure power backup device (10kVA UPS)	BCWS	0	5,099	2,399	0	0	0	0	0	0	0	0
2.7.4.1.2.1 Procure water pumping/cooling and environmental readout st	BCWS	0	14,377	16,914	19,451	17,759	7,611	0	0	0	0	0
2.7.4.1.2.3 Procure sensor packs for water systems, env, rack mon.	BCWS	0	11,835	13,924	16,012	0	0	0	0	0	0	0
2.7.4.10 Conduct DCS full production system review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.1 Configure and test master control server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.2 Configure and test readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.3 Configure and test data logging server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.4 Install servers and switches in far site eletronics room	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.5 Install control room displays and monitoring facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.6 Install DCSNet network infrastructure and switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.7 Verify network and cluster stablity at far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.8 Perform security audit of far detector computer systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.1 Install field point stations for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.2 Install sensor packs for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.3 Install readout connections to misc. devices for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.1 Test DCS subsystem readout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.2 Test DCS subsystem alarm notification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.3 Test DCS subsystem controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.4 Test DCS remote operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.5 Test DCS full-scale integration	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.7.2.6.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.1 Upgrade integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.2 Integrate data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.3 Integrate timing system	BCWS	0	0	14,087	17,218	0	0	0	0	0	0	0
2.7.3.2.1 Integrate RCS multinode	BCWS	0	0	0	7,813	17,188	16,407	5,469	0	0	0	0
2.7.3.2.2 Integrate data storage system	BCWS	0	0	0	0	0	0	6,592	9,229	1,758	0	0
2.7.3.2.3 Integrate RCS partitioning	BCWS	0	0	0	0	0	0	0	0	13,282	17,970	14,844
2.7.3.3.2 Consultation - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.3 Consultation - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.4 Consultation - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.5 Consultation - FY12	BCWS	3,545	3,367	3,545	3,722	3,899	3,722	3,899	3,722	3,722	4,076	3,367
2.7.3.3.6 Consultation - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.1 Procure DCS Master control servers w/ video display interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.10 Procure DCS mobil stations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.11 Procure DCS master buffered gigabit ethernet switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.12 Procure DCS second level 24 port gigabit switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.13 Procure DCS wireless access points (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.14 Procure network cabling for DCS readouts (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.15 Procure fiber interconnect (second level switch to master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.2 Procure DCS readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.3 Procure DCS far site local logger station w/ 3TB raid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.4 Procure DCS display consoles for far site and FNAL control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.5 Procure DCS far site server cabinets (42U 19inch rack)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.6 Procure DCS KVM switch for readout node cluster	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.7 Procure network cabling for DCS readout farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.8 Procure power protection circuits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.9 Procure power backup device (10kVA UPS)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.1 Procure water pumping/cooling and environmental readout st	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.3 Procure sensor packs for water systems, env, rack mon.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.10 Conduct DCS full production system review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.1 Configure and test master control server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.2 Configure and test readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.3 Configure and test data logging server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.4 Install servers and switches in far site eletronics room	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.5 Install control room displays and monitoring facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.6 Install DCSNet network infrastructure and switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.7 Verify network and cluster stablity at far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.8 Perform security audit of far detector computer systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.1 Install field point stations for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.2 Install sensor packs for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.3 Install readout connections to misc. devices for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.1 Test DCS subsystem readout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.2 Test DCS subsystem alarm notification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.3 Test DCS subsystem controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.4 Test DCS remote operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.5 Test DCS full-scale integration	BCWS	0	0	0	0	0	0	0	0	0	0	0

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Run Date:	Status Date:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.7.2.6.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.1 Upgrade integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.2 Integrate data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.3 Integrate timing system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.1 Integrate RCS multinode	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.2 Integrate data storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.3 Integrate RCS partitioning	BCWS	819	0	0	0	0	0	0	0	0	0	0
2.7.3.3.2 Consultation - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.3 Consultation - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.4 Consultation - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.5 Consultation - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.6 Consultation - FY13	BCWS	4,272	3,715	3,343	3,901	3,715	3,901	4,086	4,086	3,715	4,086	4,086
2.7.4.1.1.1 Procure DCS Master control servers w/ video display interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.10 Procure DCS mobil stations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.11 Procure DCS master buffered gigabit ethernet switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.12 Procure DCS second level 24 port gigabit switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.13 Procure DCS wireless access points (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.14 Procure network cabling for DCS readouts (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.15 Procure fiber interconnect (second level switch to master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.2 Procure DCS readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.3 Procure DCS far site local logger station w/ 3TB raid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.4 Procure DCS display consoles for far site and FNAL control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.5 Procure DCS far site server cabinets (42U 19inch rack)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.6 Procure DCS KVM switch for readout node cluster	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.7 Procure network cabling for DCS readout farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.8 Procure power protection circuits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.9 Procure power backup device (10kVA UPS)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.1 Procure water pumping/cooling and environmental readout st	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.3 Procure sensor packs for water systems, env, rack mon.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.10 Conduct DCS full production system review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.1 Configure and test master control server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.2 Configure and test readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.3 Configure and test data logging server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.4 Install servers and switches in far site eletronics room	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.5 Install control room displays and monitoring facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.6 Install DCSNet network infrastructure and switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.7 Verify network and cluster stablity at far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.8 Perform security audit of far detector computer systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.1 Install field point stations for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.2 Install sensor packs for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.3 Install readout connections to misc. devices for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.1 Test DCS subsystem readout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.2 Test DCS subsystem alarm notification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.3 Test DCS subsystem controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.4 Test DCS remote operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.5 Test DCS full-scale integration	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.7.2.6.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.10 Test	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.1 Perform FMEA tests and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.11.2 Write failure modes and effects analysis document	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.2 Write RFQ	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.4 Evaluate bids	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.5 Write purchase requests	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.6 Obtain project approvals	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.7.8 Place purchase orders	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.2.8.1 Procure database computers	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.1 Upgrade integration test stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.2 Integrate data concentrators	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.1.3 Integrate timing system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.1 Integrate RCS multinode	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.2 Integrate data storage system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.2.3 Integrate RCS partitioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.2 Consultation - FY09	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.3 Consultation - FY10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.4 Consultation - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.5 Consultation - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.3.3.6 Consultation - FY13	BCWS	3,529	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.1 Procure DCS Master control servers w/ video display interf	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.10 Procure DCS mobil stations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.11 Procure DCS master buffered gigabit ethernet switch	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.12 Procure DCS second level 24 port gigabit switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.13 Procure DCS wireless access points (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.14 Procure network cabling for DCS readouts (far hall)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.15 Procure fiber interconnect (second level switch to master	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.2 Procure DCS readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.3 Procure DCS far site local logger station w/ 3TB raid	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.4 Procure DCS display consoles for far site and FNAL control	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.5 Procure DCS far site server cabinets (42U 19inch rack)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.6 Procure DCS KVM switch for readout node cluster	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.7 Procure network cabling for DCS readout farm	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.8 Procure power protection circuits	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.1.9 Procure power backup device (10kVA UPS)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.1 Procure water pumping/cooling and environmental readout st	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.1.2.3 Procure sensor packs for water systems, env, rack mon.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.10 Conduct DCS full production system review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.1 Configure and test master control server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.2 Configure and test readout IOC nodes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.3 Configure and test data logging server	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.4 Install servers and switches in far site eletronics room	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.5 Install control room displays and monitoring facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.6 Install DCSNet network infrastructure and switches	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.7 Verify network and cluster stablity at far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.2.8 Perform security audit of far detector computer systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.1 Install field point stations for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.2 Install sensor packs for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.3.3 Install readout connections to misc. devices for block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.1 Test DCS subsystem readout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.2 Test DCS subsystem alarm notification	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.3 Test DCS subsystem controls	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.4 Test DCS remote operations	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.4.5 Test DCS full-scale integration	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
NV-DEC10	NOvA projec			
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WP[20]		AUG14	SEP14	Cumulative
2.7.2.6.8 Place purchase orders	BCWS	0	0	34,479
2.7.2.7.10 Test	BCWS	0	0	18,178
2.7.2.7.11.1 Perform FMEA tests and analysis	BCWS	0	0	10,825
2.7.2.7.11.2 Write failure modes and effects analysis document	BCWS	0	0	5,412
2.7.2.7.2 Write RFQ	BCWS	0	0	2,062
2.7.2.7.4 Evaluate bids	BCWS	0	0	3,093
2.7.2.7.5 Write purchase requests	BCWS	0	0	2,062
2.7.2.7.6 Obtain project approvals	BCWS	0	0	1,031
2.7.2.7.8 Place purchase orders	BCWS	0	0	114,675
2.7.2.8.1 Procure database computers	BCWS	0	0	9,425
2.7.3.1.1 Upgrade integration test stand	BCWS	0	0	3,983
2.7.3.1.2 Integrate data concentrators	BCWS	0	0	39,828
2.7.3.1.3 Integrate timing system	BCWS	0	0	31,305
2.7.3.2.1 Integrate RCS multinode	BCWS	0	0	46,877
2.7.3.2.2 Integrate data storage system	BCWS	0	0	17,579
2.7.3.2.3 Integrate RCS partitioning	BCWS	0	0	46,915
2.7.3.3.2 Consultation - FY09	BCWS	0	0	27,314
2.7.3.3.3 Consultation - FY10	BCWS	0	0	80,537
2.7.3.3.4 Consultation - FY11	BCWS	0	0	42,279
2.7.3.3.5 Consultation - FY12	BCWS	0	0	44,308
2.7.3.3.6 Consultation - FY13	BCWS	0	0	46,436
2.7.4.1.1.1 Procure DCS Master control servers w/ video display interf	BCWS	0	0	6,043
2.7.4.1.1.10 Procure DCS mobil stations	BCWS	0	0	4,825
2.7.4.1.1.11 Procure DCS master buffered gigabit ethernet switch	BCWS	0	0	5,848
2.7.4.1.1.12 Procure DCS second level 24 port gigabit switches	BCWS	0	0	5,141
2.7.4.1.1.13 Procure DCS wireless access points (far hall)	BCWS	0	0	5,809
2.7.4.1.1.14 Procure network cabling for DCS readouts (far hall)	BCWS	0	0	751
2.7.4.1.1.15 Procure fiber interconnect (second level switch to master	BCWS	0	0	1,342
2.7.4.1.1.2 Procure DCS readout IOC nodes	BCWS	0	0	25,722
2.7.4.1.1.3 Procure DCS far site local logger station w/ 3TB raid	BCWS	0	0	6,558
2.7.4.1.1.4 Procure DCS display consoles for far site and FNAL control	BCWS	0	0	14,139
2.7.4.1.1.5 Procure DCS far site server cabinets (42U 19inch rack)	BCWS	0	0	1,891
2.7.4.1.1.6 Procure DCS KVM switch for readout node cluster	BCWS	0	0	412
2.7.4.1.1.7 Procure network cabling for DCS readout farm	BCWS	0	0	300
2.7.4.1.1.8 Procure power protection circuits	BCWS	0	0	731
2.7.4.1.1.9 Procure power backup device (10kVA UPS)	BCWS	0	0	7,498
2.7.4.1.2.1 Procure water pumping/cooling and environmental readout st	BCWS	0	0	76,111
2.7.4.1.2.3 Procure sensor packs for water systems, env, rack mon.	BCWS	0	0	41,772
2.7.4.10 Conduct DCS full production system review	BCWS	0	0	0
2.7.4.2.1 Configure and test master control server	BCWS	0	0	0
2.7.4.2.2 Configure and test readout IOC nodes	BCWS	0	0	0
2.7.4.2.3 Configure and test data logging server	BCWS	0	0	0
2.7.4.2.4 Install servers and switches in far site eletronics room	BCWS	0	0	0
2.7.4.2.5 Install control room displays and monitoring facilities	BCWS	0	0	0
2.7.4.2.6 Install DCSNet network infrastructure and switches	BCWS	0	0	0
2.7.4.2.7 Verify network and cluster stablity at far site	BCWS	0	0	0
2.7.4.2.8 Perform security audit of far detector computer systems	BCWS	0	0	0
2.7.4.3.1 Install field point stations for block 1	BCWS	0	0	0
2.7.4.3.2 Install sensor packs for block 1	BCWS	0	0	0
2.7.4.3.3 Install readout connections to misc. devices for block 1	BCWS	0	0	0
2.7.4.4.1 Test DCS subsystem readout	BCWS	0	0	0
2.7.4.4.2 Test DCS subsystem alarm notification	BCWS	0	0	0
2.7.4.4.3 Test DCS subsystem controls	BCWS	0	0	0
2.7.4.4.4 Test DCS remote operations	BCWS	0	0	0
2.7.4.4.5 Test DCS full-scale integration	BCWS	0	0	0

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.7.4.5 DCS production operations certification - stage 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.1 Install full scale far site readout systems - superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.2 Install full scale far site readout systems - superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.3 Install full scale far site readout systems - superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.4 Install full scale far site readout systems - superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.7 Conduct DCS load scaling and performance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.1 Install full scale far site readout systems - superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.2 Install full scale far site readout systems - superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.1 Finalize location of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.2 Contract with engineering firm to specify excavation methodo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.3 Provide FESS liaison for cave design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.4 Finalize size of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.5 Design review: ND excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.1 Determine new route for MINOS cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.2 Design/specify lighting for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.3 Specify ventilation for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.1 Specify power requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.2 Engineer power sourcing and distribution	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.5 Design/engineer fire protection for Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.6 Engineer detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.7 Design review: ND cavern infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.10 Ventilation portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.11 Electrical Power portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.12 Fire Protection Systems portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.14 Start detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.16 Complete detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.6 Install new MINOS infrastructure supports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.8 Reposition MINOS infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.9 Lighting portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.18 Tunnel outfitting design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.5 Perform excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.6 Oversight of excavation work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.5 Connect and certify FIRUS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.6 Specify safety and training requirements for this region	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.8 Survey location for detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.1 Design review: containment scheme for full ND scintillator v	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.2 Issue P.O. for containment of full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.3 Install containment for full ND volume - initial phase	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.4 Install remainder of containment for full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.5 Issue P.O. for overflow bladders	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.7.4.5 DCS production operations certification - stage 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.1 Install full scale far site readout systems - superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.2 Install full scale far site readout systems - superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.3 Install full scale far site readout systems - superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.4 Install full scale far site readout systems - superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.7 Conduct DCS load scaling and performance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.1 Install full scale far site readout systems - superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.2 Install full scale far site readout systems - superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.1 Finalize location of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.2 Contract with engineering firm to specify excavation methodo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.3 Provide FESS liaison for cave design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.4 Finalize size of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.5 Design review: ND excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.1 Determine new route for MINOS cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.2 Design/specify lighting for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.3 Specify ventilation for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.1 Specify power requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.2 Engineer power sourcing and distribution	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.5 Design/engineer fire protection for Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.6 Engineer detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.7 Design review: ND cavern infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.10 Ventilation portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.11 Electrical Power portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.12 Fire Protection Systems portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.14 Start detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.16 Complete detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.6 Install new MINOS infrastructure supports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.8 Reposition MINOS infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.9 Lighting portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.18 Tunnel outfitting design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.5 Perform excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.6 Oversight of excavation work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.5 Connect and certify FIRUS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.6 Specify safety and training requirements for this region	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.8 Survey location for detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.1 Design review: containment scheme for full ND scintillator v	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.2 Issue P.O. for containment of full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.3 Install containment for full ND volume - initial phase	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.4 Install remainder of containment for full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.5 Issue P.O. for overflow bladders	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.7.4.5 DCS production operations certification - stage 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.1 Install full scale far site readout systems - superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.2 Install full scale far site readout systems - superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.3 Install full scale far site readout systems - superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.4 Install full scale far site readout systems - superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.7 Conduct DCS load scaling and performance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.1 Install full scale far site readout systems - superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.2 Install full scale far site readout systems - superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.2 Travel	BCWS	213	234	234	213	235	235	224	224	0	0	0
2.7.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	161	139	146
2.7.5.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.1 Finalize location of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.2 Contract with engineering firm to specify excavation methodo	BCWS	20,087	22,096	18,079	0	0	0	0	0	0	0	0
2.8.1.1.3 Provide FESS liaison for cave design	BCWS	4,814	5,296	4,333	0	0	0	0	0	0	0	0
2.8.1.1.4 Finalize size of cave to be excavated	BCWS	653	718	588	0	0	0	0	0	0	0	0
2.8.1.1.5 Design review: ND excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.1 Determine new route for MINOS cables	BCWS	0	0	0	0	0	0	0	0	5,996	0	0
2.8.1.2.2 Design/specify lighting for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.3 Specify ventilation for new cavern	BCWS	0	0	1,481	4,074	0	0	0	0	0	0	0
2.8.1.2.4.1 Specify power requirements	BCWS	0	0	0	0	0	0	0	0	2,523	0	0
2.8.1.2.4.2 Engineer power sourcing and distribution	BCWS	0	0	0	0	0	0	0	0	2,457	22,112	0
2.8.1.2.5 Design/engineer fire protection for Near Detector	BCWS	0	0	0	0	0	0	0	0	1,228	11,056	0
2.8.1.2.6 Engineer detector access platform	BCWS	0	0	0	5,555	0	0	0	0	0	0	0
2.8.1.2.7 Design review: ND cavern infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.10 Ventilation portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.11 Electrical Power portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.12 Fire Protection Systems portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.14 Start detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.16 Complete detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.6 Install new MINOS infrastructure supports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.8 Reposition MINOS infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.9 Lighting portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.18 Tunnel outfitting design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.5 Perform excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.6 Oversight of excavation work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.5 Connect and certify FIRUS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.6 Specify safety and training requirements for this region	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.8 Survey location for detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.1 Design review: containment scheme for full ND scintillator v	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.2 Issue P.O. for containment of full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.3 Install containment for full ND volume - initial phase	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.4 Install remainder of containment for full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.5 Issue P.O. for overflow bladders	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.7.4.5 DCS production operations certification - stage 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.1 Install full scale far site readout systems - superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.2 Install full scale far site readout systems - superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.3 Install full scale far site readout systems - superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.4 Install full scale far site readout systems - superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.7 Conduct DCS load scaling and performance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.1 Install full scale far site readout systems - superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.2 Install full scale far site readout systems - superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.2 Travel	BCWS	139	146	168	161	146	161	154	161	146	0	0
2.7.5.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.6 Travel - supplemental	BCWS	0	752	865	827	752	827	790	827	752	0	0
2.7.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	707	673
2.7.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.1 Finalize location of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.2 Contract with engineering firm to specify excavation methodo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.3 Provide FESS liaison for cave design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.4 Finalize size of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.5 Design review: ND excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.1 Determine new route for MINOS cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.2 Design/specify lighting for new cavern	BCWS	0	0	0	0	0	0	1,536	0	0	0	0
2.8.1.2.3 Specify ventilation for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.1 Specify power requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.2 Engineer power sourcing and distribution	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.5 Design/engineer fire protection for Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.6 Engineer detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.7 Design review: ND cavern infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.10 Ventilation portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.11 Electrical Power portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.12 Fire Protection Systems portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.14 Start detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.16 Complete detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.6 Install new MINOS infrastructure supports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.8 Reposition MINOS infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.9 Lighting portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.18 Tunnel outfitting design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.5 Perform excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.6 Oversight of excavation work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.5 Connect and certify FIRUS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.6 Specify safety and training requirements for this region	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.8 Survey location for detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.1 Design review: containment scheme for full ND scintillator v	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.2 Issue P.O. for containment of full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.3 Install containment for full ND volume - initial phase	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.4 Install remainder of containment for full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.5 Issue P.O. for overflow bladders	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.7.4.5 DCS production operations certification - stage 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.1 Install full scale far site readout systems - superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.2 Install full scale far site readout systems - superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.3 Install full scale far site readout systems - superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.4 Install full scale far site readout systems - superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.7 Conduct DCS load scaling and performance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.1 Install full scale far site readout systems - superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.2 Install full scale far site readout systems - superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.2 Travel	BCWS	673	640	673	774	707	707	741	673	774	673	0
2.7.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	722
2.7.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.1 Finalize location of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.2 Contract with engineering firm to specify excavation methodo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.3 Provide FESS liaison for cave design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.4 Finalize size of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.5 Design review: ND excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.1 Determine new route for MINOS cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.2 Design/specify lighting for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.3 Specify ventilation for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.1 Specify power requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.2 Engineer power sourcing and distribution	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.5 Design/engineer fire protection for Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.6 Engineer detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.7 Design review: ND cavern infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.1 Prepare bid documents	BCWS	0	297	5,642	0	0	0	0	0	0	0	0
2.8.1.3.10 Ventilation portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.11 Electrical Power portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.12 Fire Protection Systems portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.14 Start detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.16 Complete detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.3 Select contractor	BCWS	0	0	0	1,584	4,355	0	0	0	0	0	0
2.8.1.3.6 Install new MINOS infrastructure supports	BCWS	0	0	0	0	64,937	32,469	0	0	0	0	0
2.8.1.3.8 Reposition MINOS infrastructure	BCWS	0	0	0	0	0	0	0	22,341	5,585	0	0
2.8.1.3.9 Lighting portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.18 Tunnel outfitting design	BCWS	0	0	0	35,138	52,707	52,707	55,217	50,197	57,727	10,039	0
2.8.1.4.1 Prepare bid documents	BCWS	0	0	0	6,236	2,672	0	0	0	0	0	0
2.8.1.4.3 Select contractor	BCWS	0	0	0	0	0	3,801	2,138	0	0	0	0
2.8.1.4.5 Perform excavation	BCWS	0	0	0	0	0	0	0	0	825,432	825,432	844,042
2.8.1.4.6 Oversight of excavation work	BCWS	0	0	0	0	0	0	0	0	167,663	167,663	171,347
2.8.1.5 Connect and certify FIRUS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.6 Specify safety and training requirements for this region	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.8 Survey location for detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.1 Design review: containment scheme for full ND scintillator v	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.2 Issue P.O. for containment of full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.3 Install containment for full ND volume - initial phase	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.4 Install remainder of containment for full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.5 Issue P.O. for overflow bladders	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.7.4.5 DCS production operations certification - stage 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.1 Install full scale far site readout systems - superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.2 Install full scale far site readout systems - superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.3 Install full scale far site readout systems - superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.4 Install full scale far site readout systems - superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.7 Conduct DCS load scaling and performance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.1 Install full scale far site readout systems - superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.2 Install full scale far site readout systems - superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.2 Travel	BCWS	688	654	688	722	757	722	757	722	722	791	654
2.7.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.1 Finalize location of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.2 Contract with engineering firm to specify excavation methodo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.3 Provide FESS liaison for cave design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.4 Finalize size of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.5 Design review: ND excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.1 Determine new route for MINOS cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.2 Design/specify lighting for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.3 Specify ventilation for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.1 Specify power requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.2 Engineer power sourcing and distribution	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.5 Design/engineer fire protection for Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.6 Engineer detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.7 Design review: ND cavern infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.10 Ventilation portion of contract	BCWS	0	8,654	12,982	0	0	0	0	0	0	0	0
2.8.1.3.11 Electrical Power portion of contract	BCWS	0	27,669	18,446	0	0	0	0	0	0	0	0
2.8.1.3.12 Fire Protection Systems portion of contract	BCWS	0	0	106,680	26,670	0	0	0	0	0	0	0
2.8.1.3.14 Start detector access platform	BCWS	0	0	0	11,290	2,823	0	0	0	0	0	0
2.8.1.3.16 Complete detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.6 Install new MINOS infrastructure supports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.8 Reposition MINOS infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.9 Lighting portion of contract	BCWS	0	27,292	0	0	0	0	0	0	0	0	0
2.8.1.3.18 Tunnel outfitting design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.5 Perform excavation	BCWS	803,850	281,347	0	0	0	0	0	0	0	0	0
2.8.1.4.6 Oversight of excavation work	BCWS	163,188	57,116	0	0	0	0	0	0	0	0	0
2.8.1.5 Connect and certify FIRUS	BCWS	0	0	0	9,588	0	0	0	0	0	0	0
2.8.1.6 Specify safety and training requirements for this region	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.8 Survey location for detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.1 Design review: containment scheme for full ND scintillator v	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.2 Issue P.O. for containment of full ND volume	BCWS	0	19,302	0	0	0	0	0	0	0	0	0
2.8.2.1.3 Install containment for full ND volume - initial phase	BCWS	0	0	0	9,651	0	0	0	0	0	0	0
2.8.2.1.4 Install remainder of containment for full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.5 Issue P.O. for overflow bladders	BCWS	0	2,574	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.7.4.5 DCS production operations certification - stage 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.1 Install full scale far site readout systems - superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.2 Install full scale far site readout systems - superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.3 Install full scale far site readout systems - superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.4 Install full scale far site readout systems - superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.7 Conduct DCS load scaling and performance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.1 Install full scale far site readout systems - superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.2 Install full scale far site readout systems - superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.1 Finalize location of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.2 Contract with engineering firm to specify excavation methodo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.3 Provide FESS liaison for cave design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.4 Finalize size of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.5 Design review: ND excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.1 Determine new route for MINOS cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.2 Design/specify lighting for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.3 Specify ventilation for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.1 Specify power requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.2 Engineer power sourcing and distribution	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.5 Design/engineer fire protection for Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.6 Engineer detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.7 Design review: ND cavern infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.10 Ventilation portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.11 Electrical Power portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.12 Fire Protection Systems portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.14 Start detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.16 Complete detector access platform	BCWS	14,456	0	0	0	0	0	0	0	0	0	0
2.8.1.3.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.6 Install new MINOS infrastructure supports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.8 Reposition MINOS infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.9 Lighting portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.18 Tunnel outfitting design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.5 Perform excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.6 Oversight of excavation work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.5 Connect and certify FIRUS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.6 Specify safety and training requirements for this region	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.8 Survey location for detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.1 Design review: containment scheme for full ND scintillator v	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.2 Issue P.O. for containment of full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.3 Install containment for full ND volume - initial phase	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.4 Install remainder of containment for full ND volume	BCWS	0	3,288	0	0	0	0	0	0	0	0	0
2.8.2.1.5 Issue P.O. for overflow bladders	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.7.4.5 DCS production operations certification - stage 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.1 Install full scale far site readout systems - superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.2 Install full scale far site readout systems - superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.3 Install full scale far site readout systems - superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.6.4 Install full scale far site readout systems - superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.7 Conduct DCS load scaling and performance review	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.1 Install full scale far site readout systems - superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.4.9.2 Install full scale far site readout systems - superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.5 Labor - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.4.6 Travel - supplemental	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.7.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.1 Finalize location of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.2 Contract with engineering firm to specify excavation methodo	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.3 Provide FESS liaison for cave design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.4 Finalize size of cave to be excavated	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.1.5 Design review: ND excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.1 Determine new route for MINOS cables	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.2 Design/specify lighting for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.3 Specify ventilation for new cavern	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.1 Specify power requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.4.2 Engineer power sourcing and distribution	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.5 Design/engineer fire protection for Near Detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.6 Engineer detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.2.7 Design review: ND cavern infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.10 Ventilation portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.11 Electrical Power portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.12 Fire Protection Systems portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.14 Start detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.16 Complete detector access platform	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.6 Install new MINOS infrastructure supports	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.8 Reposition MINOS infrastructure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.9 Lighting portion of contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.3.18 Tunnel outfitting design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.1 Prepare bid documents	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.3 Select contractor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.5 Perform excavation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.4.6 Oversight of excavation work	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.5 Connect and certify FIRUS	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.6 Specify safety and training requirements for this region	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.1.8 Survey location for detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.1 Design review: containment scheme for full ND scintillator v	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.2 Issue P.O. for containment of full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.3 Install containment for full ND volume - initial phase	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.4 Install remainder of containment for full ND volume	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.1.5 Issue P.O. for overflow bladders	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.7.4.5 DCS production operations certification - stage 1	BCWS	0	0	0
2.7.4.6.1 Install full scale far site readout systems - superblock 1	BCWS	0	0	0
2.7.4.6.2 Install full scale far site readout systems - superblock 2	BCWS	0	0	0
2.7.4.6.3 Install full scale far site readout systems - superblock 3	BCWS	0	0	0
2.7.4.6.4 Install full scale far site readout systems - superblock 4	BCWS	0	0	0
2.7.4.7 Conduct DCS load scaling and performance review	BCWS	0	0	0
2.7.4.9.1 Install full scale far site readout systems - superblock 5	BCWS	0	0	0
2.7.4.9.2 Install full scale far site readout systems - superblock 6	BCWS	0	0	0
2.7.5.3.1 Labor	BCWS	0	0	0
2.7.5.3.2 Travel	BCWS	0	0	1,812
2.7.5.4.1 Labor	BCWS	0	0	0
2.7.5.4.2 Travel	BCWS	0	0	1,828
2.7.5.4.5 Labor - supplemental	BCWS	0	0	0
2.7.5.4.6 Travel - supplemental	BCWS	0	0	6,392
2.7.5.5.1 Labor	BCWS	0	0	0
2.7.5.5.2 Travel	BCWS	0	0	8,416
2.7.5.6.1 Labor	BCWS	0	0	0
2.7.5.6.2 Travel	BCWS	0	0	8,600
2.7.5.7.1 Labor	BCWS	0	0	0
2.8.1.1.1 Finalize location of cave to be excavated	BCWS	0	0	0
2.8.1.1.2 Contract with engineering firm to specify excavation methodo	BCWS	0	0	60,262
2.8.1.1.3 Provide FESS liaison for cave design	BCWS	0	0	14,443
2.8.1.1.4 Finalize size of cave to be excavated	BCWS	0	0	1,959
2.8.1.1.5 Design review: ND excavation	BCWS	0	0	0
2.8.1.2.1 Determine new route for MINOS cables	BCWS	0	0	5,996
2.8.1.2.2 Design/specify lighting for new cavern	BCWS	0	0	1,536
2.8.1.2.3 Specify ventilation for new cavern	BCWS	0	0	5,555
2.8.1.2.4.1 Specify power requirements	BCWS	0	0	2,523
2.8.1.2.4.2 Engineer power sourcing and distribution	BCWS	0	0	24,569
2.8.1.2.5 Design/engineer fire protection for Near Detector	BCWS	0	0	12,285
2.8.1.2.6 Engineer detector access platform	BCWS	0	0	5,555
2.8.1.2.7 Design review: ND cavern infrastructure	BCWS	0	0	0
2.8.1.3.1 Prepare bid documents	BCWS	0	0	5,939
2.8.1.3.10 Ventilation portion of contract	BCWS	0	0	21,636
2.8.1.3.11 Electrical Power portion of contract	BCWS	0	0	46,115
2.8.1.3.12 Fire Protection Systems portion of contract	BCWS	0	0	133,349
2.8.1.3.14 Start detector access platform	BCWS	0	0	14,113
2.8.1.3.16 Complete detector access platform	BCWS	0	0	14,456
2.8.1.3.3 Select contractor	BCWS	0	0	5,939
2.8.1.3.6 Install new MINOS infrastructure supports	BCWS	0	0	97,406
2.8.1.3.8 Reposition MINOS infrastructure	BCWS	0	0	27,927
2.8.1.3.9 Lighting portion of contract	BCWS	0	0	27,292
2.8.1.3.18 Tunnel outfitting design	BCWS	0	0	313,731
2.8.1.4.1 Prepare bid documents	BCWS	0	0	8,908
2.8.1.4.3 Select contractor	BCWS	0	0	5,939
2.8.1.4.5 Perform excavation	BCWS	0	0	3,580,103
2.8.1.4.6 Oversight of excavation work	BCWS	0	0	726,977
2.8.1.5 Connect and certify FIRUS	BCWS	0	0	9,588
2.8.1.6 Specify safety and training requirements for this region	BCWS	0	0	0
2.8.1.8 Survey location for detector	BCWS	0	0	0
2.8.2.1.1 Design review: containment scheme for full ND scintillator v	BCWS	0	0	0
2.8.2.1.2 Issue P.O. for containment of full ND volume	BCWS	0	0	19,302
2.8.2.1.3 Install containment for full ND volume - initial phase	BCWS	0	0	9,651
2.8.2.1.4 Install remainder of containment for full ND volume	BCWS	0	0	3,288
2.8.2.1.5 Issue P.O. for overflow bladders	BCWS	0	0	2,574

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.8.2.2.1.1 Design review: muon catcher support stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.2 Procure materials for support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.3 Weld structure pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.4 Move support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.5 Precisely position support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.6 Finalize design of muon catcher support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.1 Finalize design of steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.2 Design review: muon catcher steel pieces size and shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.3 Purchase raw steel and ship to cutting shop	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.4 Cut steel pieces to appropriate shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.5 Accept steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.2 Make muon catcher planes and assemble on support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.3 Move planes underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.4 Mount planes on support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.5 Maintain module view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.1 Design review: suitability of cradles for descending in sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.3 Prepare four blocks to be moved	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.4 Modify cooling connections for two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.5 Move four blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.6 Position blocks in ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.1 Procure parts for two cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.2 Weld cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.3 Test cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.2 Modify block construction tooling for final two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.3 Construct two blocks at ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.4 Fiducialize two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.5 Update block view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.6 Attach blocks to cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.8 Move blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.9 Place blocks in detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.10 Paint NDOS blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.1 Move bookend major pieces underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.2 Complete assembly of bookend in place	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.5 Survey and align muon catcher and six blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.1 Design ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.2 Design review: ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.1 Issue P.O. for shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.2 Install shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.3 Pressure test shaft fill pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.4 Transfer scintillator fill machine from IPND to ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.1 Design review: containment scheme at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.2 Issue P.O. for containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.3 Install containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.1 Design review: ND outfitting procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.2 Collect detector readout outfitting electronics and DAQ comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.1 Design review: scintillator module filling procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.2 Install scintillator supply plumbing and attach to shaft pip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.3 Fill scintillator modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.4 Maintain scintillator view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.1 Move photodetector and electronics systems underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.2 Install photodetector and electronics systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.3 Maintain photodetector and electronics view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.1 Move DAQ system underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.2 Install DAQ system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.6.1.1 Operations review: ND	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.8.2.2.1.1 Design review: muon catcher support stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.2 Procure materials for support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.3 Weld structure pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.4 Move support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.5 Precisely position support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.6 Finalize design of muon catcher support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.1 Finalize design of steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.2 Design review: muon catcher steel pieces size and shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.3 Purchase raw steel and ship to cutting shop	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.4 Cut steel pieces to appropriate shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.5 Accept steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.2 Make muon catcher planes and assemble on support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.3 Move planes underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.4 Mount planes on support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.5 Maintain module view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.1 Design review: suitability of cradles for descending in sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.3 Prepare four blocks to be moved	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.4 Modify cooling connections for two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.5 Move four blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.6 Position blocks in ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.1 Procure parts for two cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.2 Weld cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.3 Test cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.2 Modify block construction tooling for final two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.3 Construct two blocks at ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.4 Fiducialize two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.5 Update block view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.6 Attach blocks to cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.8 Move blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.9 Place blocks in detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.10 Paint NDOS blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.1 Move bookend major pieces underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.2 Complete assembly of bookend in place	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.5 Survey and align muon catcher and six blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.1 Design ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.2 Design review: ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.1 Issue P.O. for shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.2 Install shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.3 Pressure test shaft fill pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.4 Transfer scintillator fill machine from IPND to ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.1 Design review: containment scheme at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.2 Issue P.O. for containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.3 Install containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.1 Design review: ND outfitting procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.2 Collect detector readout outfitting electronics and DAQ comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.1 Design review: scintillator module filling procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.2 Install scintillator supply plumbing and attach to shaft pip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.3 Fill scintillator modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.4 Maintain scintillator view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.1 Move photodetector and electronics systems underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.2 Install photodetector and electronics systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.3 Maintain photodetector and electronics view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.1 Move DAQ system underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.2 Install DAQ system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.6.1.1 Operations review: ND	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.8.2.2.1.1 Design review: muon catcher support stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.2 Procure materials for support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.3 Weld structure pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.4 Move support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.5 Precisely position support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.6 Finalize design of muon catcher support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.1 Finalize design of steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.2 Design review: muon catcher steel pieces size and shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.3 Purchase raw steel and ship to cutting shop	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.4 Cut steel pieces to appropriate shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.5 Accept steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.2 Make muon catcher planes and assemble on support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.3 Move planes underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.4 Mount planes on support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.5 Maintain module view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.1 Design review: suitability of cradles for descending in sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.3 Prepare four blocks to be moved	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.4 Modify cooling connections for two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.5 Move four blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.6 Position blocks in ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.1 Procure parts for two cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.2 Weld cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.3 Test cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.2 Modify block construction tooling for final two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.3 Construct two blocks at ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.4 Fiducialize two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.5 Update block view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.6 Attach blocks to cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.8 Move blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.9 Place blocks in detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.10 Paint NDOS blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.1 Move bookend major pieces underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.2 Complete assembly of bookend in place	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.5 Survey and align muon catcher and six blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.1 Design ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.2 Design review: ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.1 Issue P.O. for shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.2 Install shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.3 Pressure test shaft fill pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.4 Transfer scintillator fill machine from IPND to ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.1 Design review: containment scheme at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.2 Issue P.O. for containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.3 Install containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.1 Design review: ND outfitting procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.2 Collect detector readout outfitting electronics and DAQ comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.1 Design review: scintillator module filling procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.2 Install scintillator supply plumbing and attach to shaft pip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.3 Fill scintillator modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.4 Maintain scintillator view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.1 Move photodetector and electronics systems underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.2 Install photodetector and electronics systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.3 Maintain photodetector and electronics view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.1 Move DAQ system underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.2 Install DAQ system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.6.1.1 Operations review: ND	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.8.2.2.1.1 Design review: muon catcher support stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.2 Procure materials for support structure	BCWS	0	0	0	0	0	0	0	0	18,282	0	0
2.8.2.2.1.3 Weld structure pieces	BCWS	0	0	0	0	0	0	0	0	30,470	0	0
2.8.2.2.1.4 Move support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.5 Precisely position support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.6 Finalize design of muon catcher support structure	BCWS	2,555	2,690	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.1 Finalize design of steel pieces	BCWS	1,664	1,751	438	0	0	0	0	0	0	0	0
2.8.2.2.2.1.2 Design review: muon catcher steel pieces size and shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.3 Purchase raw steel and ship to cutting shop	BCWS	0	0	0	0	0	0	134,070	0	0	0	0
2.8.2.2.2.1.4 Cut steel pieces to appropriate shape	BCWS	0	0	0	0	0	0	21,939	0	0	0	0
2.8.2.2.2.1.5 Accept steel pieces	BCWS	0	0	0	0	0	0	642	0	0	0	0
2.8.2.2.2.2 Make muon catcher planes and assemble on support structure	BCWS	0	0	0	0	0	0	13,252	3,313	0	0	0
2.8.2.2.2.3 Move planes underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.4 Mount planes on support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.5 Maintain module view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.1 Design review: suitability of cradles for descending in sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.3 Prepare four blocks to be moved	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.4 Modify cooling connections for two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.5 Move four blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.6 Position blocks in ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.1 Procure parts for two cradles	BCWS	14,626	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.2 Weld cradles	BCWS	19,501	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.3 Test cradles	BCWS	2,673	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.2 Modify block construction tooling for final two blocks	BCWS	0	0	0	0	23,585	0	0	0	0	0	0
2.8.2.3.2.2.3 Construct two blocks at ANL	BCWS	0	0	0	0	14,942	59,768	0	0	0	0	0
2.8.2.3.2.2.4 Fiducialize two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.5 Update block view of database	BCWS	0	0	0	0	462	1,500	0	0	0	0	0
2.8.2.3.2.2.6 Attach blocks to cradles	BCWS	0	0	0	0	0	1,783	3,121	0	0	0	0
2.8.2.3.2.2.8 Move blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.9 Place blocks in detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.10 Paint NDOS blocks 5-6	BCWS	0	0	0	0	0	0	6,313	1,578	0	0	0
2.8.2.4.1 Move bookend major pieces underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.2 Complete assembly of bookend in place	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.5 Survey and align muon catcher and six blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.1 Design ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.2 Design review: ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.1 Issue P.O. for shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.2 Install shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.3 Pressure test shaft fill pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.4 Transfer scintillator fill machine from IPND to ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.1 Design review: containment scheme at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.2 Issue P.O. for containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.3 Install containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.1 Design review: ND outfitting procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.2 Collect detector readout outfitting electronics and DAQ comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.1 Design review: scintillator module filling procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.2 Install scintillator supply plumbing and attach to shaft pip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.3 Fill scintillator modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.4 Maintain scintillator view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.1 Move photodetector and electronics systems underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.2 Install photodetector and electronics systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.3 Maintain photodetector and electronics view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.1 Move DAQ system underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.2 Install DAQ system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.6.1.1 Operations review: ND	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.8.2.2.1.1 Design review: muon catcher support stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.2 Procure materials for support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.3 Weld structure pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.4 Move support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.5 Precisely position support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.6 Finalize design of muon catcher support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.1 Finalize design of steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.2 Design review: muon catcher steel pieces size and shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.3 Purchase raw steel and ship to cutting shop	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.4 Cut steel pieces to appropriate shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.5 Accept steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.2 Make muon catcher planes and assemble on support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.3 Move planes underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.4 Mount planes on support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.5 Maintain module view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.1 Design review: suitability of cradles for descending in sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.3 Prepare four blocks to be moved	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.4 Modify cooling connections for two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.5 Move four blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.6 Position blocks in ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.1 Procure parts for two cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.2 Weld cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.3 Test cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.2 Modify block construction tooling for final two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.3 Construct two blocks at ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.4 Fiducialize two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.5 Update block view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.6 Attach blocks to cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.8 Move blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.9 Place blocks in detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.10 Paint NDOS blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.1 Move bookend major pieces underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.2 Complete assembly of bookend in place	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.5 Survey and align muon catcher and six blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.1 Design ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.2 Design review: ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.1 Issue P.O. for shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.2 Install shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.3 Pressure test shaft fill pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.4 Transfer scintillator fill machine from IPND to ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.1 Design review: containment scheme at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.2 Issue P.O. for containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.3 Install containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.1 Design review: ND outfitting procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.2 Collect detector readout outfitting electronics and DAQ comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.1 Design review: scintillator module filling procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.2 Install scintillator supply plumbing and attach to shaft pip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.3 Fill scintillator modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.4 Maintain scintillator view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.1 Move photodetector and electronics systems underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.2 Install photodetector and electronics systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.3 Maintain photodetector and electronics view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.1 Move DAQ system underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.2 Install DAQ system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.6.1.1 Operations review: ND	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.8.2.2.1.1 Design review: muon catcher support stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.2 Procure materials for support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.3 Weld structure pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.4 Move support structure underground	BCWS	0	0	0	0	0	0	1,300	0	0	0	0
2.8.2.2.1.5 Precisely position support structure	BCWS	0	0	0	0	0	0	2,600	0	0	0	0
2.8.2.2.1.6 Finalize design of muon catcher support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.1 Finalize design of steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.2 Design review: muon catcher steel pieces size and shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.3 Purchase raw steel and ship to cutting shop	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.4 Cut steel pieces to appropriate shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.5 Accept steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.2 Make muon catcher planes and assemble on support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.3 Move planes underground	BCWS	0	0	0	0	0	0	0	0	0	7,492	0
2.8.2.2.2.4 Mount planes on support structure underground	BCWS	0	0	0	0	0	0	0	0	0	7,492	0
2.8.2.2.2.5 Maintain module view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.1 Design review: suitability of cradles for descending in sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.3 Prepare four blocks to be moved	BCWS	0	0	0	0	0	0	0	0	15,998	9,999	0
2.8.2.3.1.4 Modify cooling connections for two blocks	BCWS	0	0	0	0	0	0	0	0	0	12,998	0
2.8.2.3.1.5 Move four blocks underground	BCWS	0	0	0	0	0	0	0	0	0	853	853
2.8.2.3.1.6 Position blocks in ND	BCWS	0	0	0	0	0	0	0	0	0	0	3,493
2.8.2.3.2.1.1 Procure parts for two cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.2 Weld cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.3 Test cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.2 Modify block construction tooling for final two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.3 Construct two blocks at ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.4 Fiducialize two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.5 Update block view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.6 Attach blocks to cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.8 Move blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.9 Place blocks in detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.10 Paint NDOS blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.1 Move bookend major pieces underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.2 Complete assembly of bookend in place	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.5 Survey and align muon catcher and six blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.1 Design ND-specific scintillator filling equipment	BCWS	0	0	11,640	0	0	0	0	0	0	0	0
2.8.3.2 Design review: ND-specific scintillator filling equipment	BCWS	0	0	460	0	0	0	0	0	0	0	0
2.8.3.3.1 Issue P.O. for shaft pipes	BCWS	0	0	0	0	0	22,391	0	0	0	0	0
2.8.3.3.2 Install shaft pipes	BCWS	0	0	0	0	0	9,574	6,383	0	0	0	0
2.8.3.3.3 Pressure test shaft fill pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.4 Transfer scintillator fill machine from IPND to ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.1 Design review: containment scheme at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.2 Issue P.O. for containment at base of shaft	BCWS	0	0	0	0	0	0	579	0	0	0	0
2.8.3.6.3 Install containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.1 Design review: ND outfitting procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.2 Collect detector readout outfitting electronics and DAQ comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.1 Design review: scintillator module filling procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.2 Install scintillator supply plumbing and attach to shaft pip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.3 Fill scintillator modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.4 Maintain scintillator view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.1 Move photodetector and electronics systems underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.2 Install photodetector and electronics systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.3 Maintain photodetector and electronics view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.1 Move DAQ system underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.2 Install DAQ system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.6.1.1 Operations review: ND	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.8.2.2.1.1 Design review: muon catcher support stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.2 Procure materials for support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.3 Weld structure pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.4 Move support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.5 Precisely position support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.6 Finalize design of muon catcher support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.1 Finalize design of steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.2 Design review: muon catcher steel pieces size and shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.3 Purchase raw steel and ship to cutting shop	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.4 Cut steel pieces to appropriate shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.5 Accept steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.2 Make muon catcher planes and assemble on support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.3 Move planes underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.4 Mount planes on support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.5 Maintain module view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.1 Design review: suitability of cradles for descending in sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.3 Prepare four blocks to be moved	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.4 Modify cooling connections for two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.5 Move four blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.6 Position blocks in ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.1 Procure parts for two cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.2 Weld cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.3 Test cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.2 Modify block construction tooling for final two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.3 Construct two blocks at ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.4 Fiducialize two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.5 Update block view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.6 Attach blocks to cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.8 Move blocks underground	BCWS	851	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.9 Place blocks in detector	BCWS	851	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.10 Paint NDOS blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.1 Move bookend major pieces underground	BCWS	1,362	0	0	0	0	0	0	0	0	0	0
2.8.2.4.2 Complete assembly of bookend in place	BCWS	1,362	0	0	0	0	0	0	0	0	0	0
2.8.2.5 Survey and align muon catcher and six blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.1 Design ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.2 Design review: ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.1 Issue P.O. for shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.2 Install shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.3 Pressure test shaft fill pipes	BCWS	0	1,901	0	0	0	0	0	0	0	0	0
2.8.3.4 Transfer scintillator fill machine from IPND to ND	BCWS	0	681	0	0	0	0	0	0	0	0	0
2.8.3.6.1 Design review: containment scheme at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.2 Issue P.O. for containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.3 Install containment at base of shaft	BCWS	0	1,232	0	0	0	0	0	0	0	0	0
2.8.4.1 Design review: ND outfitting procedures	BCWS	0	2,347	0	0	0	0	0	0	0	0	0
2.8.4.2 Collect detector readout outfitting electronics and DAQ comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.1 Design review: scintillator module filling procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.2 Install scintillator supply plumbing and attach to shaft pip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.3 Fill scintillator modules	BCWS	0	0	2,554	0	0	0	0	0	0	0	0
2.8.4.3.4 Maintain scintillator view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.1 Move photodetector and electronics systems underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.2 Install photodetector and electronics systems	BCWS	0	0	0	12,941	681	0	0	0	0	0	0
2.8.4.4.3 Maintain photodetector and electronics view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.1 Move DAQ system underground	BCWS	0	0	0	681	0	0	0	0	0	0	0
2.8.4.5.2 Install DAQ system	BCWS	0	0	0	2,456	0	0	0	0	0	0	0
2.8.4.6.1.1 Operations review: ND	BCWS	0	0	0	0	4,694	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.8.2.2.1.1 Design review: muon catcher support stand	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.2 Procure materials for support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.3 Weld structure pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.4 Move support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.5 Precisely position support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.1.6 Finalize design of muon catcher support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.1 Finalize design of steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.2 Design review: muon catcher steel pieces size and shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.3 Purchase raw steel and ship to cutting shop	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.4 Cut steel pieces to appropriate shape	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.1.5 Accept steel pieces	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.2 Make muon catcher planes and assemble on support structure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.3 Move planes underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.4 Mount planes on support structure underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.2.2.5 Maintain module view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.1 Design review: suitability of cradles for descending in sh	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.3 Prepare four blocks to be moved	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.4 Modify cooling connections for two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.5 Move four blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.1.6 Position blocks in ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.1 Procure parts for two cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.2 Weld cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.1.3 Test cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.2 Modify block construction tooling for final two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.3 Construct two blocks at ANL	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.4 Fiducialize two blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.5 Update block view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.6 Attach blocks to cradles	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.8 Move blocks underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.9 Place blocks in detector	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.3.2.2.10 Paint NDOS blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.1 Move bookend major pieces underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.4.2 Complete assembly of bookend in place	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.2.5 Survey and align muon catcher and six blocks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.1 Design ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.2 Design review: ND-specific scintillator filling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.1 Issue P.O. for shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.2 Install shaft pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.3.3 Pressure test shaft fill pipes	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.4 Transfer scintillator fill machine from IPND to ND	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.1 Design review: containment scheme at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.2 Issue P.O. for containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.3.6.3 Install containment at base of shaft	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.1 Design review: ND outfitting procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.2 Collect detector readout outfitting electronics and DAQ comp	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.1 Design review: scintillator module filling procedure	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.2 Install scintillator supply plumbing and attach to shaft pip	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.3 Fill scintillator modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.3.4 Maintain scintillator view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.1 Move photodetector and electronics systems underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.2 Install photodetector and electronics systems	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.4.3 Maintain photodetector and electronics view of database	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.1 Move DAQ system underground	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.5.2 Install DAQ system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.4.6.1.1 Operations review: ND	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.8.2.2.1.1 Design review: muon catcher support stand	BCWS	0	0	0
2.8.2.2.1.2 Procure materials for support structure	BCWS	0	0	18,282
2.8.2.2.1.3 Weld structure pieces	BCWS	0	0	30,470
2.8.2.2.1.4 Move support structure underground	BCWS	0	0	1,300
2.8.2.2.1.5 Precisely position support structure	BCWS	0	0	2,600
2.8.2.2.1.6 Finalize design of muon catcher support structure	BCWS	0	0	5,245
2.8.2.2.2.1.1 Finalize design of steel pieces	BCWS	0	0	3,853
2.8.2.2.2.1.2 Design review: muon catcher steel pieces size and shape	BCWS	0	0	0
2.8.2.2.2.1.3 Purchase raw steel and ship to cutting shop	BCWS	0	0	134,070
2.8.2.2.2.1.4 Cut steel pieces to appropriate shape	BCWS	0	0	21,939
2.8.2.2.2.1.5 Accept steel pieces	BCWS	0	0	642
2.8.2.2.2.2 Make muon catcher planes and assemble on support structure	BCWS	0	0	16,566
2.8.2.2.2.3 Move planes underground	BCWS	0	0	7,492
2.8.2.2.2.4 Mount planes on support structure underground	BCWS	0	0	7,492
2.8.2.2.2.5 Maintain module view of database	BCWS	0	0	0
2.8.2.3.1.1 Design review: suitability of cradles for descending in sh	BCWS	0	0	0
2.8.2.3.1.3 Prepare four blocks to be moved	BCWS	0	0	25,997
2.8.2.3.1.4 Modify cooling connections for two blocks	BCWS	0	0	12,998
2.8.2.3.1.5 Move four blocks underground	BCWS	0	0	1,706
2.8.2.3.1.6 Position blocks in ND	BCWS	0	0	3,493
2.8.2.3.2.1.1 Procure parts for two cradles	BCWS	0	0	14,626
2.8.2.3.2.1.2 Weld cradles	BCWS	0	0	19,501
2.8.2.3.2.1.3 Test cradles	BCWS	0	0	2,673
2.8.2.3.2.2.2 Modify block construction tooling for final two blocks	BCWS	0	0	23,585
2.8.2.3.2.2.3 Construct two blocks at ANL	BCWS	0	0	74,710
2.8.2.3.2.2.4 Fiducialize two blocks	BCWS	0	0	0
2.8.2.3.2.2.5 Update block view of database	BCWS	0	0	1,962
2.8.2.3.2.2.6 Attach blocks to cradles	BCWS	0	0	4,904
2.8.2.3.2.2.8 Move blocks underground	BCWS	0	0	851
2.8.2.3.2.2.9 Place blocks in detector	BCWS	0	0	851
2.8.2.3.2.2.10 Paint NDOS blocks 5-6	BCWS	0	0	7,891
2.8.2.4.1 Move bookend major pieces underground	BCWS	0	0	1,362
2.8.2.4.2 Complete assembly of bookend in place	BCWS	0	0	1,362
2.8.2.5 Survey and align muon catcher and six blocks	BCWS	0	0	0
2.8.3.1 Design ND-specific scintillator filling equipment	BCWS	0	0	11,640
2.8.3.2 Design review: ND-specific scintillator filling equipment	BCWS	0	0	460
2.8.3.3.1 Issue P.O. for shaft pipes	BCWS	0	0	22,391
2.8.3.3.2 Install shaft pipes	BCWS	0	0	15,957
2.8.3.3.3 Pressure test shaft fill pipes	BCWS	0	0	1,901
2.8.3.4 Transfer scintillator fill machine from IPND to ND	BCWS	0	0	681
2.8.3.6.1 Design review: containment scheme at base of shaft	BCWS	0	0	0
2.8.3.6.2 Issue P.O. for containment at base of shaft	BCWS	0	0	579
2.8.3.6.3 Install containment at base of shaft	BCWS	0	0	1,232
2.8.4.1 Design review: ND outfitting procedures	BCWS	0	0	2,347
2.8.4.2 Collect detector readout outfitting electronics and DAQ comp	BCWS	0	0	0
2.8.4.3.1 Design review: scintillator module filling procedure	BCWS	0	0	0
2.8.4.3.2 Install scintillator supply plumbing and attach to shaft pip	BCWS	0	0	0
2.8.4.3.3 Fill scintillator modules	BCWS	0	0	2,554
2.8.4.3.4 Maintain scintillator view of database	BCWS	0	0	0
2.8.4.4.1 Move photodetector and electronics systems underground	BCWS	0	0	0
2.8.4.4.2 Install photodetector and electronics systems	BCWS	0	0	13,622
2.8.4.4.3 Maintain photodetector and electronics view of database	BCWS	0	0	0
2.8.4.5.1 Move DAQ system underground	BCWS	0	0	681
2.8.4.5.2 Install DAQ system	BCWS	0	0	2,456
2.8.4.6.1.1 Operations review: ND	BCWS	0	0	4,694

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.8.4.6.2 Photodetector, Readout, and DAQ Systems Commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.5 Additional travel from Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.1 Complete module lifting fixture design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.10 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.2 Design review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.4 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.6 Test fixture on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.7 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.8 Operations review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.12 Complete module lifting fixture design - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.13 Procure components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.14 Fabricate components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.15 Test components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.1 Complete adhesive dispenser design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.2 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.3 Assemble dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.4 Test dispenser on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.5 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.6 Operations review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.8 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.1 Final design of safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.2 Design review: safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.3 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.4 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.5 Test safety constraint	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.6 Document installation procedures and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.7 Operations review: safety contraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.9 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.1 Finalize block pivoter design	BCWS	0	0	0	0	0	465	589	513	461	0	0
2.9.1.4.10 Document and review test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.11 Assemble and test block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.12 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.13 Operations review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.2 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.4 Fabricate demonstration pallet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.7 Oversee assembly of pivoter components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.8 Prepare test site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.9 Design and construct block pivoter test load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.17 Finalize block pivoter design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.1 Procure cylinders and power unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.2 Procure drive unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.3 Procure upper frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.4 Procure lower frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.5 Procure dunnage assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.6 Procure kneeling cylinders and drive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.7 Procure table top	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.8 Procure miscellaneous parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.1 Specify survey requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.2 Procure survey equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.8.4.6.2 Photodetector, Readout, and DAQ Systems Commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.5 Additional travel from Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.1 Complete module lifting fixture design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.10 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.2 Design review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.4 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.6 Test fixture on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.7 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.8 Operations review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.12 Complete module lifting fixture design - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.13 Procure components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.14 Fabricate components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.15 Test components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.1 Complete adhesive dispenser design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.2 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.3 Assemble dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.4 Test dispenser on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.5 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.6 Operations review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.8 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.1 Final design of safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.2 Design review: safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.3 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.4 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.5 Test safety constraint	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.6 Document installation procedures and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.7 Operations review: safety contraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.9 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.1 Finalize block pivoter design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.10 Document and review test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.11 Assemble and test block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.12 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.13 Operations review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.2 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.4 Fabricate demonstration pallet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.7 Oversee assembly of pivoter components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.8 Prepare test site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.9 Design and construct block pivoter test load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.17 Finalize block pivoter design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.1 Procure cylinders and power unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.2 Procure drive unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.3 Procure upper frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.4 Procure lower frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.5 Procure dunnage assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.6 Procure kneeling cylinders and drive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.7 Procure table top	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.8 Procure miscellaneous parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.1 Specify survey requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.2 Procure survey equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.8.4.6.2 Photodetector, Readout, and DAQ Systems Commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.2.1 Labor	BCWS	1,596	1,755	1,755	1,596	1,774	1,774	1,693	1,693	0	0	0
2.8.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	1,876	1,620	1,705
2.8.5.3.5 Additional travel from Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.1 Complete module lifting fixture design	BCWS	16,269	3,254	0	0	0	0	0	0	0	0	0
2.9.1.1.10 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.2 Design review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.4 Procure components	BCWS	0	0	0	0	0	0	0	0	47,659	4,333	0
2.9.1.1.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	13,340	2,354
2.9.1.1.6 Test fixture on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	7,847
2.9.1.1.7 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	2,248
2.9.1.1.8 Operations review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.12 Complete module lifting fixture design - additional	BCWS	0	0	0	0	0	0	0	9,191	11,773	4,281	0
2.9.1.1.13 Procure components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.14 Fabricate components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.15 Test components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.1 Complete adhesive dispenser design	BCWS	0	0	0	0	0	0	2,446	12,843	14,100	12,177	3,845
2.9.1.2.2 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.3 Assemble dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.4 Test dispenser on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	940
2.9.1.2.5 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.6 Operations review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.8 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.1 Final design of safety constraint beam	BCWS	0	0	0	0	0	2,009	6,028	0	0	0	0
2.9.1.3.2 Design review: safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.3 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.4 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.5 Test safety constraint	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.6 Document installation procedures and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.7 Operations review: safety contraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.9 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.1 Finalize block pivoter design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.10 Document and review test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.11 Assemble and test block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.12 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.13 Operations review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.2 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.4 Fabricate demonstration pallet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.7 Oversee assembly of pivoter components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.8 Prepare test site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.9 Design and construct block pivoter test load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.17 Finalize block pivoter design - Part 2	BCWS	10,743	11,818	11,818	6,446	0	0	0	0	0	0	0
2.9.1.4.18.1 Procure cylinders and power unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.2 Procure drive unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.3 Procure upper frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.4 Procure lower frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.5 Procure dunnage assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.6 Procure kneeling cylinders and drive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.7 Procure table top	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.8 Procure miscellaneous parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.1 Specify survey requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.2 Procure survey equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.8.4.6.2 Photodetector, Readout, and DAQ Systems Commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.1 Labor	BCWS	1,620	1,705	1,961	1,876	1,705	1,876	1,791	1,876	1,705	0	0
2.8.5.3.5 Additional travel from Minnesota	BCWS	0	0	0	0	3,774	4,151	3,962	4,151	3,962	0	0
2.8.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	1,884	1,794
2.8.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.1 Complete module lifting fixture design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.10 Disassemble and pack for shipping	BCWS	2,635	0	0	0	0	0	0	0	0	0	0
2.9.1.1.2 Design review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.4 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.6 Test fixture on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.7 Document operating procedures	BCWS	321	0	0	0	0	0	0	0	0	0	0
2.9.1.1.8 Operations review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.12 Complete module lifting fixture design - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.13 Procure components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.14 Fabricate components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.15 Test components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.1 Complete adhesive dispenser design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.2 Procure components	BCWS	0	0	0	175,010	63,640	0	0	0	0	0	0
2.9.1.2.3 Assemble dispenser	BCWS	0	0	0	0	4,708	7,062	0	0	0	0	0
2.9.1.2.4 Test dispenser on prototype modules	BCWS	17,856	940	0	0	0	0	0	0	0	0	0
2.9.1.2.5 Document operating procedures	BCWS	0	0	0	0	0	1,284	1,284	0	0	0	0
2.9.1.2.6 Operations review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.8 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	9,551	0
2.9.1.3.1 Final design of safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.2 Design review: safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.3 Procure components	BCWS	0	0	0	0	0	11,719	4,262	0	0	0	0
2.9.1.3.4 Fabricate components	BCWS	0	0	0	0	0	0	1,275	1,079	0	0	0
2.9.1.3.5 Test safety constraint	BCWS	0	0	0	0	0	0	0	1,079	1,275	0	0
2.9.1.3.6 Document installation procedures and analysis	BCWS	0	0	0	0	0	0	0	0	1,284	0	0
2.9.1.3.7 Operations review: safety contraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.9 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	1,499	0
2.9.1.4.1 Finalize block pivoter design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.10 Document and review test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.11 Assemble and test block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.12 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.13 Operations review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.2 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.4 Fabricate demonstration pallet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.7 Oversee assembly of pivoter components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.8 Prepare test site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.9 Design and construct block pivoter test load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.17 Finalize block pivoter design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.1 Procure cylinders and power unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.2 Procure drive unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.3 Procure upper frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.4 Procure lower frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.5 Procure dunnage assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.6 Procure kneeling cylinders and drive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.7 Procure table top	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.8 Procure miscellaneous parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.1 Specify survey requirements	BCWS	0	1,493	1,717	0	0	0	0	0	0	0	0
2.9.1.5.2 Procure survey equipment	BCWS	0	0	0	149,488	135,898	122,308	0	0	0	0	0

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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.8.4.6.2 Photodetector, Readout, and DAQ Systems Commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.5 Additional travel from Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.4.1 Labor	BCWS	1,794	1,705	1,794	2,064	1,884	1,884	1,974	1,794	2,064	1,794	0
2.8.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	8,228
2.8.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.1 Complete module lifting fixture design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.10 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.2 Design review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.4 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.6 Test fixture on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.7 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.8 Operations review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.12 Complete module lifting fixture design - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.13 Procure components - additional	BCWS	0	20,214	28,300	0	0	0	0	0	0	0	0
2.9.1.1.14 Fabricate components - additional	BCWS	0	0	4,455	10,394	0	0	0	0	0	0	0
2.9.1.1.15 Test components - additional	BCWS	0	0	0	6,598	733	0	0	0	0	0	0
2.9.1.2.1 Complete adhesive dispenser design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.2 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.3 Assemble dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.4 Test dispenser on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.5 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.6 Operations review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.8 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.1 Final design of safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.2 Design review: safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.3 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.4 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.5 Test safety constraint	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.6 Document installation procedures and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.7 Operations review: safety contraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.9 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.1 Finalize block pivoter design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.10 Document and review test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.11 Assemble and test block pivoter	BCWS	0	0	0	0	0	0	0	123,986	74,392	0	0
2.9.1.4.12 Document operating procedures	BCWS	0	0	0	0	0	0	0	972	1,250	0	0
2.9.1.4.13 Operations review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.2 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.4 Fabricate demonstration pallet	BCWS	0	54,466	11,466	0	0	0	0	0	0	0	0
2.9.1.4.7 Oversee assembly of pivoter components	BCWS	0	0	0	2,977	12,502	12,502	1,786	0	0	0	0
2.9.1.4.8 Prepare test site	BCWS	0	0	0	0	0	0	11,257	0	0	0	0
2.9.1.4.9 Design and construct block pivoter test load	BCWS	0	0	0	0	0	0	3,721	6,201	0	0	0
2.9.1.4.17 Finalize block pivoter design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.1 Procure cylinders and power unit	BCWS	0	61,059	64,273	25,709	0	0	0	0	0	0	0
2.9.1.4.18.2 Procure drive unit	BCWS	0	28,332	29,823	11,929	0	0	0	0	0	0	0
2.9.1.4.18.3 Procure upper frame	BCWS	0	57,333	60,350	24,140	0	0	0	0	0	0	0
2.9.1.4.18.4 Procure lower frame	BCWS	0	48,494	51,046	20,418	0	0	0	0	0	0	0
2.9.1.4.18.5 Procure dunnage assembly	BCWS	0	25,800	27,157	10,863	0	0	0	0	0	0	0
2.9.1.4.18.6 Procure kneeling cylinders and drive	BCWS	0	29,622	31,181	12,472	0	0	0	0	0	0	0
2.9.1.4.18.7 Procure table top	BCWS	0	90,471	95,232	38,093	0	0	0	0	0	0	0
2.9.1.4.18.8 Procure miscellaneous parts	BCWS	0	57,141	60,149	24,060	0	0	0	0	0	0	0
2.9.1.5.1 Specify survey requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.2 Procure survey equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.8.4.6.2 Photodetector, Readout, and DAQ Systems Commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.5 Additional travel from Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.5.1 Labor	BCWS	7,836	7,444	0	0	0	0	0	0	0	0	0
2.8.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.1 Complete module lifting fixture design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.10 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.2 Design review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.4 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.6 Test fixture on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.7 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.8 Operations review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.12 Complete module lifting fixture design - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.13 Procure components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.14 Fabricate components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.15 Test components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.1 Complete adhesive dispenser design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.2 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.3 Assemble dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.4 Test dispenser on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.5 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.6 Operations review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.8 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.1 Final design of safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.2 Design review: safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.3 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.4 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.5 Test safety constraint	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.6 Document installation procedures and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.7 Operations review: safety contraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.9 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.1 Finalize block pivoter design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.10 Document and review test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.11 Assemble and test block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.12 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.13 Operations review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.2 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.4 Fabricate demonstration pallet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.7 Oversee assembly of pivoter components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.8 Prepare test site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.9 Design and construct block pivoter test load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.17 Finalize block pivoter design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.1 Procure cylinders and power unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.2 Procure drive unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.3 Procure upper frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.4 Procure lower frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.5 Procure dunnage assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.6 Procure kneeling cylinders and drive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.7 Procure table top	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.8 Procure miscellaneous parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.1 Specify survey requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.2 Procure survey equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.8.4.6.2 Photodetector, Readout, and DAQ Systems Commissioning	BCWS	0	0	0	0	5,527	614	0	0	0	0	0
2.8.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.5 Additional travel from Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.6.1 Labor	BCWS	4,722	4,106	3,490	0	0	0	0	0	0	0	0
2.9.1.1.1 Complete module lifting fixture design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.10 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.2 Design review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.4 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.6 Test fixture on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.7 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.8 Operations review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.12 Complete module lifting fixture design - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.13 Procure components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.14 Fabricate components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.15 Test components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.1 Complete adhesive dispenser design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.2 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.3 Assemble dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.4 Test dispenser on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.5 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.6 Operations review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.8 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.1 Final design of safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.2 Design review: safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.3 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.4 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.5 Test safety constraint	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.6 Document installation procedures and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.7 Operations review: safety contraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.9 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.1 Finalize block pivoter design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.10 Document and review test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.11 Assemble and test block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.12 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.13 Operations review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.2 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.4 Fabricate demonstration pallet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.7 Oversee assembly of pivoter components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.8 Prepare test site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.9 Design and construct block pivoter test load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.17 Finalize block pivoter design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.1 Procure cylinders and power unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.2 Procure drive unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.3 Procure upper frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.4 Procure lower frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.5 Procure dunnage assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.6 Procure kneeling cylinders and drive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.7 Procure table top	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.8 Procure miscellaneous parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.1 Specify survey requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.2 Procure survey equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.8.4.6.2 Photodetector, Readout, and DAQ Systems Commissioning	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.3.5 Additional travel from Minnesota	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.8.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.1 Complete module lifting fixture design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.10 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.2 Design review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.4 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.6 Test fixture on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.7 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.8 Operations review: module lifting fixture	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.12 Complete module lifting fixture design - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.13 Procure components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.14 Fabricate components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.1.15 Test components - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.1 Complete adhesive dispenser design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.2 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.3 Assemble dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.4 Test dispenser on prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.5 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.6 Operations review: adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.2.8 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.1 Final design of safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.2 Design review: safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.3 Procure components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.4 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.5 Test safety constraint	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.6 Document installation procedures and analysis	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.7 Operations review: safety contraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.3.9 Disassemble and pack for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.1 Finalize block pivoter design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.10 Document and review test procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.11 Assemble and test block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.12 Document operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.13 Operations review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.2 Design review: block pivoter	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.4 Fabricate demonstration pallet	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.7 Oversee assembly of pivoter components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.8 Prepare test site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.9 Design and construct block pivoter test load	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.17 Finalize block pivoter design - Part 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.1 Procure cylinders and power unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.2 Procure drive unit	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.3 Procure upper frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.4 Procure lower frame	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.5 Procure dunnage assembly	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.6 Procure kneeling cylinders and drive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.7 Procure table top	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.4.18.8 Procure miscellaneous parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.1 Specify survey requirements	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.1.5.2 Procure survey equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.8.4.6.2 Photodetector, Readout, and DAQ Systems Commissioning	BCWS	0	0	6,141
2.8.5.2.1 Labor	BCWS	0	0	13,637
2.8.5.3.1 Labor	BCWS	0	0	21,317
2.8.5.3.5 Additional travel from Minnesota	BCWS	0	0	20,000
2.8.5.4.1 Labor	BCWS	0	0	22,431
2.8.5.5.1 Labor	BCWS	0	0	23,508
2.8.5.6.1 Labor	BCWS	0	0	12,318
2.9.1.1.1 Complete module lifting fixture design	BCWS	0	0	19,523
2.9.1.1.10 Disassemble and pack for shipping	BCWS	0	0	2,635
2.9.1.1.2 Design review: module lifting fixture	BCWS	0	0	0
2.9.1.1.4 Procure components	BCWS	0	0	51,992
2.9.1.1.5 Fabricate components	BCWS	0	0	15,694
2.9.1.1.6 Test fixture on prototype modules	BCWS	0	0	7,847
2.9.1.1.7 Document operating procedures	BCWS	0	0	2,569
2.9.1.1.8 Operations review: module lifting fixture	BCWS	0	0	0
2.9.1.1.12 Complete module lifting fixture design - additional	BCWS	0	0	25,246
2.9.1.1.13 Procure components - additional	BCWS	0	0	48,514
2.9.1.1.14 Fabricate components - additional	BCWS	0	0	14,849
2.9.1.1.15 Test components - additional	BCWS	0	0	7,332
2.9.1.2.1 Complete adhesive dispenser design	BCWS	0	0	45,412
2.9.1.2.2 Procure components	BCWS	0	0	238,650
2.9.1.2.3 Assemble dispenser	BCWS	0	0	11,771
2.9.1.2.4 Test dispenser on prototype modules	BCWS	0	0	19,736
2.9.1.2.5 Document operating procedures	BCWS	0	0	2,569
2.9.1.2.6 Operations review: adhesive dispenser	BCWS	0	0	0
2.9.1.2.8 Disassemble and pack for shipping	BCWS	0	0	9,551
2.9.1.3.1 Final design of safety constraint beam	BCWS	0	0	8,037
2.9.1.3.2 Design review: safety constraint beam	BCWS	0	0	0
2.9.1.3.3 Procure components	BCWS	0	0	15,981
2.9.1.3.4 Fabricate components	BCWS	0	0	2,354
2.9.1.3.5 Test safety constraint	BCWS	0	0	2,354
2.9.1.3.6 Document installation procedures and analysis	BCWS	0	0	1,284
2.9.1.3.7 Operations review: safety contraint beam	BCWS	0	0	0
2.9.1.3.9 Disassemble and pack for shipping	BCWS	0	0	1,499
2.9.1.4.1 Finalize block pivoter design	BCWS	0	0	2,028
2.9.1.4.10 Document and review test procedures	BCWS	0	0	0
2.9.1.4.11 Assemble and test block pivoter	BCWS	0	0	198,378
2.9.1.4.12 Document operating procedures	BCWS	0	0	2,221
2.9.1.4.13 Operations review: block pivoter	BCWS	0	0	0
2.9.1.4.2 Design review: block pivoter	BCWS	0	0	0
2.9.1.4.4 Fabricate demonstration pallet	BCWS	0	0	65,932
2.9.1.4.7 Oversee assembly of pivoter components	BCWS	0	0	29,767
2.9.1.4.8 Prepare test site	BCWS	0	0	11,257
2.9.1.4.9 Design and construct block pivoter test load	BCWS	0	0	9,922
2.9.1.4.17 Finalize block pivoter design - Part 2	BCWS	0	0	40,825
2.9.1.4.18.1 Procure cylinders and power unit	BCWS	0	0	151,041
2.9.1.4.18.2 Procure drive unit	BCWS	0	0	70,084
2.9.1.4.18.3 Procure upper frame	BCWS	0	0	141,823
2.9.1.4.18.4 Procure lower frame	BCWS	0	0	119,958
2.9.1.4.18.5 Procure dunnage assembly	BCWS	0	0	63,820
2.9.1.4.18.6 Procure kneeling cylinders and drive	BCWS	0	0	73,275
2.9.1.4.18.7 Procure table top	BCWS	0	0	223,796
2.9.1.4.18.8 Procure miscellaneous parts	BCWS	0	0	141,350
2.9.1.5.1 Specify survey requirements	BCWS	0	0	3,211
2.9.1.5.2 Procure survey equipment	BCWS	0	0	407,694

Program:	Description:
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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.9.1.5.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.1 Finalize design of south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.2 Design review:south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.4 Procure south bookend components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.5 Fabricate components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.1 Finalize design of north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.2 Design review: north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.4 Procure north bookend components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.6 Prepare components for shipment to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.7 Ship components to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.8 Convert block pivoter to north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.1 Procure stress monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.2 Procure pressure monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.3 Procure gap monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.4 Procure block movement sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.5 Assemble and test structure monitoring equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.1 Finalize design of transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.2 Design review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.1 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.2 Develop control scheme, monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.5 Disassemble parts and prepare for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.1 Ship distribution control system to far detector site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.2 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.5 Operations review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.1 Finalize design of distribution plumbing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.2 Procure scintillator distribution parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.3 Install main distribution lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.1 Finalize design of filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.2 Procure scintillator filling machine parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.3 Assemble and test filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.4 Document fillling machine operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.1 Finalize vent design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.2 Document vapor vent system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.3 Procure vapor recovery parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.4 Install main (building level) vent lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.1 Connect and fill prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.2 Document complete operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.3 Operations review: scintillator filling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.1 Install walkway work platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.2 Install sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.3 Use sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.4 Remove sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.2 Procure and setup material handling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.3 Ship module handling fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.4 Ship block safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.1 Ship adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.2 Test adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.4 Test and document adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.5 Operations review: adhesive dispenser at Ash River	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.9.1.5.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.1 Finalize design of south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.2 Design review:south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.4 Procure south bookend components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.5 Fabricate components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.1 Finalize design of north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.2 Design review: north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.4 Procure north bookend components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.6 Prepare components for shipment to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.7 Ship components to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.8 Convert block pivoter to north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.1 Procure stress monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.2 Procure pressure monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.3 Procure gap monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.4 Procure block movement sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.5 Assemble and test structure monitoring equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.1 Finalize design of transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.2 Design review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.1 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.2 Develop control scheme, monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.5 Disassemble parts and prepare for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.1 Ship distribution control system to far detector site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.2 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.5 Operations review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.1 Finalize design of distribution plumbing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.2 Procure scintillator distribution parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.3 Install main distribution lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.1 Finalize design of filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.2 Procure scintillator filling machine parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.3 Assemble and test filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.4 Document fillling machine operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.1 Finalize vent design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.2 Document vapor vent system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.3 Procure vapor recovery parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.4 Install main (building level) vent lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.1 Connect and fill prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.2 Document complete operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.3 Operations review: scintillator filling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.1 Install walkway work platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.2 Install sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.3 Use sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.4 Remove sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.2 Procure and setup material handling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.3 Ship module handling fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.4 Ship block safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.1 Ship adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.2 Test adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.4 Test and document adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.5 Operations review: adhesive dispenser at Ash River	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.9.1.5.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.1 Finalize design of south bookend (OBSOLETE)	BCWS	16,871	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.2 Design review:south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.4 Procure south bookend components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.5 Fabricate components (OBSOLETE)	BCWS	1,004	2,009	0	0	0	0	0	0	0	0	0
2.9.2.2.22.1 Finalize design of north bookend	BCWS	16,871	8,436	0	0	0	0	0	0	0	0	0
2.9.2.2.22.2 Design review: north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.4 Procure north bookend components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.5 Fabricate components	BCWS	0	10,119	15,178	0	0	0	0	0	0	0	0
2.9.2.2.22.6 Prepare components for shipment to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.7 Ship components to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.8 Convert block pivoter to north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.1 Procure stress monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.2 Procure pressure monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.3 Procure gap monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.4 Procure block movement sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.5 Assemble and test structure monitoring equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.1 Finalize design of transfer facility	BCWS	15,993	0	0	0	0	0	0	0	0	0	0
2.9.3.1.2 Design review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.1 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.2 Develop control scheme, monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.5 Disassemble parts and prepare for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.1 Ship distribution control system to far detector site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.2 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.5 Operations review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.1 Finalize design of distribution plumbing	BCWS	31,986	0	0	0	0	0	0	0	0	0	0
2.9.3.2.2 Procure scintillator distribution parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.3 Install main distribution lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.1 Finalize design of filling machines	BCWS	1,999	0	0	0	0	0	0	0	0	0	0
2.9.3.3.2 Procure scintillator filling machine parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.3 Assemble and test filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.4 Document fillling machine operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.1 Finalize vent design	BCWS	0	2,399	0	0	0	0	0	0	0	0	0
2.9.3.4.2 Document vapor vent system	BCWS	0	160	640	0	0	0	0	0	0	0	0
2.9.3.4.3 Procure vapor recovery parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.4 Install main (building level) vent lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.1 Connect and fill prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.2 Document complete operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.3 Operations review: scintillator filling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.1 Install walkway work platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.2 Install sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.3 Use sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.4 Remove sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.2 Procure and setup material handling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.3 Ship module handling fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.4 Ship block safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.1 Ship adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.2 Test adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.4 Test and document adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.5 Operations review: adhesive dispenser at Ash River	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.9.1.5.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.1 Finalize design of south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.2 Design review:south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.4 Procure south bookend components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.5 Fabricate components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.1 Finalize design of north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.2 Design review: north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.4 Procure north bookend components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.6 Prepare components for shipment to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.7 Ship components to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.8 Convert block pivoter to north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.1 Procure stress monitors	BCWS	0	0	0	0	27,178	-27,178	0	0	0	0	0
2.9.2.3.2 Procure pressure monitors	BCWS	0	0	0	0	7,452	-7,452	0	0	0	0	0
2.9.2.3.3 Procure gap monitors	BCWS	0	0	0	0	3,151	-3,151	0	0	0	0	0
2.9.2.3.4 Procure block movement sensors	BCWS	0	0	0	0	14,095	-14,095	0	0	0	0	0
2.9.2.3.5 Assemble and test structure monitoring equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.1 Finalize design of transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.2 Design review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.4 Procure parts	BCWS	0	0	0	0	26,661	29,327	23,995	0	0	0	0
2.9.3.1.5.1 Assemble parts, control system	BCWS	0	0	0	0	0	0	936	5,304	0	0	0
2.9.3.1.5.2 Develop control scheme, monitoring software	BCWS	0	0	0	0	0	0	0	349	1,467	1,537	951
2.9.3.1.5.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	738
2.9.3.1.5.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.5 Disassemble parts and prepare for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.1 Ship distribution control system to far detector site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.2 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.5 Operations review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.1 Finalize design of distribution plumbing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.2 Procure scintillator distribution parts	BCWS	0	0	0	0	0	0	14,449	15,137	11,697	0	0
2.9.3.2.3 Install main distribution lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.1 Finalize design of filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.2 Procure scintillator filling machine parts	BCWS	0	0	0	0	0	0	0	0	0	29,714	28,299
2.9.3.3.3 Assemble and test filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.4 Document fillling machine operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.1 Finalize vent design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.2 Document vapor vent system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.3 Procure vapor recovery parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.4 Install main (building level) vent lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.1 Connect and fill prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.2 Document complete operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.3 Operations review: scintillator filling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.1 Install walkway work platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.2 Install sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.3 Use sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.4 Remove sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.2 Procure and setup material handling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.3 Ship module handling fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.4 Ship block safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.1 Ship adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.2 Test adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.4 Test and document adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.5 Operations review: adhesive dispenser at Ash River	BCWS	0	0	0	0	0	0	0	0	0	0	0

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2.9.1.5.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.1 Finalize design of south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.2 Design review:south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.4 Procure south bookend components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.5 Fabricate components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.1 Finalize design of north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.2 Design review: north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.4 Procure north bookend components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.6 Prepare components for shipment to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.7 Ship components to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.8 Convert block pivoter to north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.1 Procure stress monitors	BCWS	0	0	0	0	29,137	26,362	0	0	0	0	0
2.9.2.3.2 Procure pressure monitors	BCWS	0	0	0	0	7,989	7,228	0	0	0	0	0
2.9.2.3.3 Procure gap monitors	BCWS	0	0	0	0	3,379	3,057	0	0	0	0	0
2.9.2.3.4 Procure block movement sensors	BCWS	0	0	0	0	15,111	13,672	0	0	0	0	0
2.9.2.3.5 Assemble and test structure monitoring equipment	BCWS	0	0	0	0	0	691	6,221	0	0	0	0
2.9.3.1.1 Finalize design of transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.2 Design review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.1 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.2 Develop control scheme, monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.3 Test scintillator transfer control scheme	BCWS	2,109	211	0	0	0	0	0	0	0	0	0
2.9.3.1.5.4 Document scintillator transfer control system	BCWS	0	1,756	0	0	0	0	0	0	0	0	0
2.9.3.1.5.5 Disassemble parts and prepare for shipping	BCWS	0	976	0	0	0	0	0	0	0	0	0
2.9.3.1.6.1 Ship distribution control system to far detector site	BCWS	0	0	0	0	363	725	0	0	0	0	0
2.9.3.1.6.2 Assemble parts, control system	BCWS	0	0	0	0	0	14,525	764	0	0	0	0
2.9.3.1.6.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	15,290	0	0	0	0
2.9.3.1.6.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	88	790	0	0	0
2.9.3.1.6.5 Operations review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	439	0	0	0
2.9.3.2.1 Finalize design of distribution plumbing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.2 Procure scintillator distribution parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.3 Install main distribution lines	BCWS	0	0	0	0	954	20,024	7,628	0	0	0	0
2.9.3.3.1 Finalize design of filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.2 Procure scintillator filling machine parts	BCWS	26,884	0	0	0	0	0	0	0	0	0	0
2.9.3.3.3 Assemble and test filling machines	BCWS	328	6,232	6,560	7,544	6,888	6,888	6,232	0	0	0	0
2.9.3.3.4 Document fillling machine operation	BCWS	0	0	0	0	0	0	527	1,229	0	0	0
2.9.3.4.1 Finalize vent design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.2 Document vapor vent system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.3 Procure vapor recovery parts	BCWS	0	0	0	0	24,884	24,884	21,329	0	0	0	0
2.9.3.4.4 Install main (building level) vent lines	BCWS	0	0	0	0	0	0	3,376	16,880	5,064	0	0
2.9.3.5.1 Connect and fill prototype modules	BCWS	0	0	0	0	0	0	0	4,943	0	0	0
2.9.3.5.2 Document complete operating procedures	BCWS	0	0	0	0	0	0	0	227	2,039	0	0
2.9.3.5.3 Operations review: scintillator filling system	BCWS	0	0	0	0	0	0	0	0	439	0	0
2.9.4.1.1 Install walkway work platforms	BCWS	0	0	0	0	1,299	5,196	0	0	0	0	0
2.9.4.1.10.1.2 Install sanitary facilities	BCWS	0	0	0	0	73	145	0	0	0	0	0
2.9.4.1.10.1.3 Use sanitary facilities	BCWS	0	0	0	0	0	2,700	3,126	2,842	3,268	2,984	3,049
2.9.4.1.10.1.4 Remove sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.2 Procure and setup material handling equipment	BCWS	0	0	4,600	8,817	8,050	1,533	0	0	0	0	0
2.9.4.1.3 Ship module handling fixtures	BCWS	0	0	0	0	363	725	0	0	0	0	0
2.9.4.1.4 Ship block safety constraint beam	BCWS	0	0	0	0	363	725	0	0	0	0	0
2.9.4.1.7.1 Ship adhesive dispenser	BCWS	0	0	0	0	363	725	0	0	0	0	0
2.9.4.1.7.2 Test adhesive ventilation system	BCWS	0	0	0	0	0	10,011	0	0	0	0	0
2.9.4.1.7.4 Test and document adhesive dispenser	BCWS	0	0	0	0	0	5,303	589	0	0	0	0
2.9.4.1.7.5 Operations review: adhesive dispenser at Ash River	BCWS	0	0	0	0	0	0	0	0	0	0	0

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2.9.1.5.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.1 Finalize design of south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.2 Design review:south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.4 Procure south bookend components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.5 Fabricate components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.1 Finalize design of north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.2 Design review: north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.4 Procure north bookend components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.6 Prepare components for shipment to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.7 Ship components to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.8 Convert block pivoter to north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.1 Procure stress monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.2 Procure pressure monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.3 Procure gap monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.4 Procure block movement sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.5 Assemble and test structure monitoring equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.1 Finalize design of transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.2 Design review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.1 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.2 Develop control scheme, monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.5 Disassemble parts and prepare for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.1 Ship distribution control system to far detector site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.2 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.5 Operations review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.1 Finalize design of distribution plumbing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.2 Procure scintillator distribution parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.3 Install main distribution lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.1 Finalize design of filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.2 Procure scintillator filling machine parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.3 Assemble and test filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.4 Document fillling machine operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.1 Finalize vent design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.2 Document vapor vent system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.3 Procure vapor recovery parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.4 Install main (building level) vent lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.1 Connect and fill prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.2 Document complete operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.3 Operations review: scintillator filling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.1 Install walkway work platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.2 Install sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.3 Use sanitary facilities	BCWS	2,904	2,759	2,904	3,049	3,194	3,049	3,194	3,049	3,049	3,340	2,759
2.9.4.1.10.1.4 Remove sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.2 Procure and setup material handling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.3 Ship module handling fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.4 Ship block safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.1 Ship adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.2 Test adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.4 Test and document adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.5 Operations review: adhesive dispenser at Ash River	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.9.1.5.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.1 Finalize design of south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.2 Design review:south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.4 Procure south bookend components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.5 Fabricate components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.1 Finalize design of north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.2 Design review: north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.4 Procure north bookend components	BCWS	0	0	0	0	0	0	0	6,801	10,201	0	0
2.9.2.2.22.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.6 Prepare components for shipment to far site	BCWS	0	0	0	0	0	0	0	0	1,052	1,578	0
2.9.2.2.22.7 Ship components to far site	BCWS	0	0	0	0	0	0	0	0	0	4,384	2,192
2.9.2.2.22.8 Convert block pivoter to north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	2,781
2.9.2.3.1 Procure stress monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.2 Procure pressure monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.3 Procure gap monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.4 Procure block movement sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.5 Assemble and test structure monitoring equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.1 Finalize design of transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.2 Design review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.1 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.2 Develop control scheme, monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.5 Disassemble parts and prepare for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.1 Ship distribution control system to far detector site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.2 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.5 Operations review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.1 Finalize design of distribution plumbing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.2 Procure scintillator distribution parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.3 Install main distribution lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.1 Finalize design of filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.2 Procure scintillator filling machine parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.3 Assemble and test filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.4 Document fillling machine operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.1 Finalize vent design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.2 Document vapor vent system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.3 Procure vapor recovery parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.4 Install main (building level) vent lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.1 Connect and fill prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.2 Document complete operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.3 Operations review: scintillator filling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.1 Install walkway work platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.2 Install sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.3 Use sanitary facilities	BCWS	3,413	2,968	2,671	3,116	2,968	3,116	3,265	3,265	2,968	3,265	3,265
2.9.4.1.10.1.4 Remove sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.2 Procure and setup material handling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.3 Ship module handling fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.4 Ship block safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.1 Ship adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.2 Test adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.4 Test and document adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.5 Operations review: adhesive dispenser at Ash River	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.9.1.5.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.1 Finalize design of south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.2 Design review:south bookend (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.4 Procure south bookend components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.21.5 Fabricate components (OBSOLETE)	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.1 Finalize design of north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.2 Design review: north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.4 Procure north bookend components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.5 Fabricate components	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.6 Prepare components for shipment to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.7 Ship components to far site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.2.22.8 Convert block pivoter to north bookend	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.1 Procure stress monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.2 Procure pressure monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.3 Procure gap monitors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.4 Procure block movement sensors	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.2.3.5 Assemble and test structure monitoring equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.1 Finalize design of transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.2 Design review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.4 Procure parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.1 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.2 Develop control scheme, monitoring software	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.5.5 Disassemble parts and prepare for shipping	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.1 Ship distribution control system to far detector site	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.2 Assemble parts, control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.3 Test scintillator transfer control scheme	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.4 Document scintillator transfer control system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.1.6.5 Operations review: scintillator transfer facility	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.1 Finalize design of distribution plumbing	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.2 Procure scintillator distribution parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.2.3 Install main distribution lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.1 Finalize design of filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.2 Procure scintillator filling machine parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.3 Assemble and test filling machines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.3.4 Document fillling machine operation	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.1 Finalize vent design	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.2 Document vapor vent system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.3 Procure vapor recovery parts	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.4.4 Install main (building level) vent lines	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.1 Connect and fill prototype modules	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.2 Document complete operating procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.3.5.3 Operations review: scintillator filling system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.1 Install walkway work platforms	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.2 Install sanitary facilities	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.10.1.3 Use sanitary facilities	BCWS	2,968	3,488	2,882	2,882	3,185	2,578	0	0	0	0	0
2.9.4.1.10.1.4 Remove sanitary facilities	BCWS	0	0	0	0	0	232	0	0	0	0	0
2.9.4.1.2 Procure and setup material handling equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.3 Ship module handling fixtures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.4 Ship block safety constraint beam	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.1 Ship adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.2 Test adhesive ventilation system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.4 Test and document adhesive dispenser	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.7.5 Operations review: adhesive dispenser at Ash River	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		AUG14	SEP14	Cumulative
2.9.1.5.3 Document survey procedures	BCWS	0	0	0
2.9.2.2.21.1 Finalize design of south bookend (OBSOLETE)	BCWS	0	0	16,871
2.9.2.2.21.2 Design review:south bookend (OBSOLETE)	BCWS	0	0	0
2.9.2.2.21.4 Procure south bookend components (OBSOLETE)	BCWS	0	0	0
2.9.2.2.21.5 Fabricate components (OBSOLETE)	BCWS	0	0	3,013
2.9.2.2.22.1 Finalize design of north bookend	BCWS	0	0	25,307
2.9.2.2.22.2 Design review: north bookend	BCWS	0	0	0
2.9.2.2.22.4 Procure north bookend components	BCWS	0	0	17,002
2.9.2.2.22.5 Fabricate components	BCWS	0	0	25,296
2.9.2.2.22.6 Prepare components for shipment to far site	BCWS	0	0	2,630
2.9.2.2.22.7 Ship components to far site	BCWS	0	0	6,576
2.9.2.2.22.8 Convert block pivoter to north bookend	BCWS	0	0	2,781
2.9.2.3.1 Procure stress monitors	BCWS	0	0	55,500
2.9.2.3.2 Procure pressure monitors	BCWS	0	0	15,217
2.9.2.3.3 Procure gap monitors	BCWS	0	0	6,435
2.9.2.3.4 Procure block movement sensors	BCWS	0	0	28,783
2.9.2.3.5 Assemble and test structure monitoring equipment	BCWS	0	0	6,912
2.9.3.1.1 Finalize design of transfer facility	BCWS	0	0	15,993
2.9.3.1.2 Design review: scintillator transfer facility	BCWS	0	0	0
2.9.3.1.4 Procure parts	BCWS	0	0	79,984
2.9.3.1.5.1 Assemble parts, control system	BCWS	0	0	6,240
2.9.3.1.5.2 Develop control scheme, monitoring software	BCWS	0	0	4,304
2.9.3.1.5.3 Test scintillator transfer control scheme	BCWS	0	0	3,058
2.9.3.1.5.4 Document scintillator transfer control system	BCWS	0	0	1,756
2.9.3.1.5.5 Disassemble parts and prepare for shipping	BCWS	0	0	976
2.9.3.1.6.1 Ship distribution control system to far detector site	BCWS	0	0	1,088
2.9.3.1.6.2 Assemble parts, control system	BCWS	0	0	15,290
2.9.3.1.6.3 Test scintillator transfer control scheme	BCWS	0	0	15,290
2.9.3.1.6.4 Document scintillator transfer control system	BCWS	0	0	878
2.9.3.1.6.5 Operations review: scintillator transfer facility	BCWS	0	0	439
2.9.3.2.1 Finalize design of distribution plumbing	BCWS	0	0	31,986
2.9.3.2.2 Procure scintillator distribution parts	BCWS	0	0	41,282
2.9.3.2.3 Install main distribution lines	BCWS	0	0	28,606
2.9.3.3.1 Finalize design of filling machines	BCWS	0	0	1,999
2.9.3.3.2 Procure scintillator filling machine parts	BCWS	0	0	84,897
2.9.3.3.3 Assemble and test filling machines	BCWS	0	0	40,673
2.9.3.3.4 Document fillling machine operation	BCWS	0	0	1,756
2.9.3.4.1 Finalize vent design	BCWS	0	0	2,399
2.9.3.4.2 Document vapor vent system	BCWS	0	0	800
2.9.3.4.3 Procure vapor recovery parts	BCWS	0	0	71,098
2.9.3.4.4 Install main (building level) vent lines	BCWS	0	0	25,320
2.9.3.5.1 Connect and fill prototype modules	BCWS	0	0	4,943
2.9.3.5.2 Document complete operating procedures	BCWS	0	0	2,266
2.9.3.5.3 Operations review: scintillator filling system	BCWS	0	0	439
2.9.4.1.1 Install walkway work platforms	BCWS	0	0	6,495
2.9.4.1.10.1.2 Install sanitary facilities	BCWS	0	0	218
2.9.4.1.10.1.3 Use sanitary facilities	BCWS	0	0	103,484
2.9.4.1.10.1.4 Remove sanitary facilities	BCWS	0	0	232
2.9.4.1.2 Procure and setup material handling equipment	BCWS	0	0	23,000
2.9.4.1.3 Ship module handling fixtures	BCWS	0	0	1,088
2.9.4.1.4 Ship block safety constraint beam	BCWS	0	0	1,088
2.9.4.1.7.1 Ship adhesive dispenser	BCWS	0	0	1,088
2.9.4.1.7.2 Test adhesive ventilation system	BCWS	0	0	10,011
2.9.4.1.7.4 Test and document adhesive dispenser	BCWS	0	0	5,892
2.9.4.1.7.5 Operations review: adhesive dispenser at Ash River	BCWS	0	0	0

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.9.4.1.9.1 Survey detector hall, establish local procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.2 Install needed monuments and other equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.1 Establish pallet contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.2 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.3 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.4 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.5 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.6 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.7 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.1 Establish adhesive contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.2 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.3 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.4 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.5 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.6 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.7 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.1 Establish expansion tank contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.2 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.3 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.4 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.5 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.6 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.7 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.1 Establish filler grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.2 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.3 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.4 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.5 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.6 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.7 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.1 Establish block base grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.2 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.3 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.4 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.5 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.6 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.7 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.1 Operations review: Far detector assembly procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.10 Assemble and mount block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.11 Assemble and mount block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.12 Assemble and mount block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.13 Assemble and mount block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.15 Assemble and mount block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.16 Assemble and mount block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.17 Assemble and mount block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.18 Assemble and mount block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.19 Assemble and mount block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.21 Assemble and mount block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.22 Assemble and mount block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.23 Assemble and mount block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.24 Assemble and mount block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.25 Assemble and mount block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.27 Assemble and mount block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.28 Assemble and mount block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.9.4.1.9.1 Survey detector hall, establish local procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.2 Install needed monuments and other equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.1 Establish pallet contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.2 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.3 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.4 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.5 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.6 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.7 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.1 Establish adhesive contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.2 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.3 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.4 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.5 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.6 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.7 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.1 Establish expansion tank contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.2 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.3 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.4 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.5 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.6 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.7 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.1 Establish filler grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.2 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.3 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.4 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.5 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.6 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.7 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.1 Establish block base grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.2 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.3 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.4 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.5 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.6 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.7 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.1 Operations review: Far detector assembly procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.10 Assemble and mount block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.11 Assemble and mount block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.12 Assemble and mount block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.13 Assemble and mount block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.15 Assemble and mount block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.16 Assemble and mount block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.17 Assemble and mount block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.18 Assemble and mount block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.19 Assemble and mount block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.21 Assemble and mount block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.22 Assemble and mount block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.23 Assemble and mount block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.24 Assemble and mount block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.25 Assemble and mount block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.27 Assemble and mount block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.28 Assemble and mount block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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Run Date:	Status Date:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.9.4.1.9.1 Survey detector hall, establish local procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.2 Install needed monuments and other equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.1 Establish pallet contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.2 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.3 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.4 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.5 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.6 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.7 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.1 Establish adhesive contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.2 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.3 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.4 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.5 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.6 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.7 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.1 Establish expansion tank contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.2 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.3 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.4 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.5 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.6 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.7 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.1 Establish filler grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.2 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.3 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.4 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.5 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.6 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.7 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.1 Establish block base grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.2 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.3 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.4 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.5 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.6 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.7 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.1 Operations review: Far detector assembly procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.10 Assemble and mount block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.11 Assemble and mount block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.12 Assemble and mount block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.13 Assemble and mount block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.15 Assemble and mount block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.16 Assemble and mount block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.17 Assemble and mount block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.18 Assemble and mount block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.19 Assemble and mount block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.21 Assemble and mount block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.22 Assemble and mount block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.23 Assemble and mount block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.24 Assemble and mount block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.25 Assemble and mount block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.27 Assemble and mount block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.28 Assemble and mount block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.9.4.1.9.1 Survey detector hall, establish local procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.2 Install needed monuments and other equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.1 Establish pallet contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.2 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.3 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.4 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.5 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.6 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.7 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.1 Establish adhesive contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.2 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.3 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.4 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.5 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.6 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.7 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.1 Establish expansion tank contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.2 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.3 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.4 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.5 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.6 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.7 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.1 Establish filler grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.2 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.3 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.4 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.5 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.6 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.7 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.1 Establish block base grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.2 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.3 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.4 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.5 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.6 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.7 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.1 Operations review: Far detector assembly procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.10 Assemble and mount block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.11 Assemble and mount block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.12 Assemble and mount block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.13 Assemble and mount block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.15 Assemble and mount block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.16 Assemble and mount block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.17 Assemble and mount block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.18 Assemble and mount block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.19 Assemble and mount block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.21 Assemble and mount block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.22 Assemble and mount block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.23 Assemble and mount block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.24 Assemble and mount block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.25 Assemble and mount block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.27 Assemble and mount block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.28 Assemble and mount block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.9.4.1.9.1 Survey detector hall, establish local procedures	BCWS	0	0	0	0	1,982	17,837	0	0	0	0	0
2.9.4.1.9.2 Install needed monuments and other equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.3 Document survey procedures	BCWS	0	0	0	0	0	1,111	0	0	0	0	0
2.9.4.2.1.1 Establish pallet contract	BCWS	0	0	0	0	37	777	815	592	0	0	0
2.9.4.2.1.2 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	11,277	59,203	0	0
2.9.4.2.1.3 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.4 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.5 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.6 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.7 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.1 Establish adhesive contract	BCWS	0	0	0	0	45	942	987	718	0	0	0
2.9.4.2.2.2 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	75,439	396,057	0	0
2.9.4.2.2.3 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.4 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.5 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.6 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.7 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.1 Establish expansion tank contract	BCWS	0	0	0	0	37	777	815	592	0	0	0
2.9.4.2.3.2 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	6,019	31,598	0	0
2.9.4.2.3.3 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.4 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.5 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.6 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.7 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.1 Establish filler grout contract	BCWS	0	0	0	0	37	777	815	592	0	0	0
2.9.4.2.4.2 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	12,076	63,399	0	0
2.9.4.2.4.3 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.4 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.5 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.6 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.7 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.1 Establish block base grout contract	BCWS	0	0	0	0	37	777	815	592	0	0	0
2.9.4.2.5.2 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	1,175	6,169	0	0
2.9.4.2.5.3 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.4 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.5 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.6 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.7 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.1 Operations review: Far detector assembly procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.10 Assemble and mount block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.11 Assemble and mount block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.12 Assemble and mount block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.13 Assemble and mount block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.15 Assemble and mount block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.16 Assemble and mount block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.17 Assemble and mount block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.18 Assemble and mount block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.19 Assemble and mount block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.21 Assemble and mount block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.22 Assemble and mount block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.23 Assemble and mount block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.24 Assemble and mount block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.25 Assemble and mount block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.27 Assemble and mount block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.28 Assemble and mount block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.9.4.1.9.1 Survey detector hall, establish local procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.2 Install needed monuments and other equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.1 Establish pallet contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.2 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.3 Receive 5 block pallets	BCWS	0	0	0	0	0	34,647	37,535	0	0	0	0
2.9.4.2.1.4 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	31,760	40,422	0
2.9.4.2.1.5 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.6 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.7 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.1 Establish adhesive contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.2 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.3 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	231,364	250,645	0	0	0	0
2.9.4.2.2.4 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	212,084	269,925	0
2.9.4.2.2.5 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.6 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.7 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.1 Establish expansion tank contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.2 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.3 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	6,593	7,142	0	0	0	0
2.9.4.2.3.4 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	6,043	7,692	0
2.9.4.2.3.5 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.6 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.7 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.1 Establish filler grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.2 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.3 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	37,098	40,189	0	0	0	0
2.9.4.2.4.4 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	34,006	43,281	0
2.9.4.2.4.5 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.6 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.7 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.1 Establish block base grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.2 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.3 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	3,676	3,983	0	0	0	0
2.9.4.2.5.4 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	3,370	4,289	0
2.9.4.2.5.5 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.6 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.7 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.1 Operations review: Far detector assembly procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.10 Assemble and mount block 7	BCWS	0	0	0	0	0	0	82,259	51,412	0	0	0
2.9.4.3.11 Assemble and mount block 8	BCWS	0	0	0	0	0	0	0	114,687	0	0	0
2.9.4.3.12 Assemble and mount block 9	BCWS	0	0	0	0	0	0	0	26,466	88,221	0	0
2.9.4.3.13 Assemble and mount block 10	BCWS	0	0	0	0	0	0	0	0	97,043	17,644	0
2.9.4.3.15 Assemble and mount block 11	BCWS	0	0	0	0	0	0	0	0	0	114,687	0
2.9.4.3.16 Assemble and mount block 12	BCWS	0	0	0	0	0	0	0	0	0	70,577	44,110
2.9.4.3.17 Assemble and mount block 13	BCWS	0	0	0	0	0	0	0	0	0	0	114,687
2.9.4.3.18 Assemble and mount block 14	BCWS	0	0	0	0	0	0	0	0	0	0	8,822
2.9.4.3.19 Assemble and mount block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.21 Assemble and mount block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.22 Assemble and mount block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.23 Assemble and mount block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.24 Assemble and mount block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.25 Assemble and mount block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.27 Assemble and mount block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.28 Assemble and mount block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.9.4.1.9.1 Survey detector hall, establish local procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.2 Install needed monuments and other equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.1 Establish pallet contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.2 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.3 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.4 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.5 Receive 5 block pallets	BCWS	32,531	41,403	0	0	0	0	0	0	0	0	0
2.9.4.2.1.6 Receive 5 block pallets	BCWS	0	0	0	14,787	59,147	0	0	0	0	0	0
2.9.4.2.1.7 Receive 5 block pallets	BCWS	0	0	0	0	0	0	8,872	65,061	0	0	0
2.9.4.2.2.1 Establish adhesive contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.2 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.3 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.4 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.5 Receive 5 shipments - adhesive	BCWS	216,829	275,964	0	0	0	0	0	0	0	0	0
2.9.4.2.2.6 Receive 5 shipments - adhesive	BCWS	0	0	0	98,558	394,234	0	0	0	0	0	0
2.9.4.2.2.7 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	59,135	433,657	0	0	0
2.9.4.2.3.1 Establish expansion tank contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.2 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.3 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.4 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.5 Fabricate and deliver 5 shipments - expansion tanks	BCWS	6,247	7,951	0	0	0	0	0	0	0	0	0
2.9.4.2.3.6 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	2,840	11,358	0	0	0	0	0	0
2.9.4.2.3.7 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	1,704	12,494	0	0	0
2.9.4.2.4.1 Establish filler grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.2 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.3 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.4 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.5 Receive 5 batches - filler grout	BCWS	34,826	44,324	0	0	0	0	0	0	0	0	0
2.9.4.2.4.6 Receive 5 batches - filler grout	BCWS	0	0	0	15,830	63,321	0	0	0	0	0	0
2.9.4.2.4.7 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	9,498	69,653	0	0	0
2.9.4.2.5.1 Establish block base grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.2 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.3 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.4 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.5 Receive 5 batches - block base grout	BCWS	3,515	4,473	0	0	0	0	0	0	0	0	0
2.9.4.2.5.6 Receive 5 batches - block base grout	BCWS	0	0	0	1,598	6,391	0	0	0	0	0	0
2.9.4.2.5.7 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	959	7,030	0	0	0
2.9.4.3.1 Operations review: Far detector assembly procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.10 Assemble and mount block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.11 Assemble and mount block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.12 Assemble and mount block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.13 Assemble and mount block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.15 Assemble and mount block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.16 Assemble and mount block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.17 Assemble and mount block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.18 Assemble and mount block 14	BCWS	110,674	0	0	0	0	0	0	0	0	0	0
2.9.4.3.19 Assemble and mount block 15	BCWS	101,451	18,446	0	0	0	0	0	0	0	0	0
2.9.4.3.21 Assemble and mount block 16	BCWS	0	119,897	0	0	0	0	0	0	0	0	0
2.9.4.3.22 Assemble and mount block 17	BCWS	0	46,114	73,783	0	0	0	0	0	0	0	0
2.9.4.3.23 Assemble and mount block 18	BCWS	0	0	92,228	27,668	0	0	0	0	0	0	0
2.9.4.3.24 Assemble and mount block 19	BCWS	0	0	0	119,897	0	0	0	0	0	0	0
2.9.4.3.25 Assemble and mount block 20	BCWS	0	0	0	46,114	73,783	0	0	0	0	0	0
2.9.4.3.27 Assemble and mount block 21	BCWS	0	0	0	0	110,674	9,223	0	0	0	0	0
2.9.4.3.28 Assemble and mount block 22	BCWS	0	0	0	0	0	119,897	0	0	0	0	0

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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.9.4.1.9.1 Survey detector hall, establish local procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.2 Install needed monuments and other equipment	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.1.9.3 Document survey procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.1 Establish pallet contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.2 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.3 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.4 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.5 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.6 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.1.7 Receive 5 block pallets	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.1 Establish adhesive contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.2 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.3 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.4 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.5 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.6 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.2.7 Receive 5 shipments - adhesive	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.1 Establish expansion tank contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.2 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.3 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.4 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.5 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.6 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.3.7 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.1 Establish filler grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.2 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.3 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.4 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.5 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.6 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.4.7 Receive 5 batches - filler grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.1 Establish block base grout contract	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.2 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.3 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.4 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.5 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.6 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.2.5.7 Receive 5 batches - block base grout	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.1 Operations review: Far detector assembly procedures	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.10 Assemble and mount block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.11 Assemble and mount block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.12 Assemble and mount block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.13 Assemble and mount block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.15 Assemble and mount block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.16 Assemble and mount block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.17 Assemble and mount block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.18 Assemble and mount block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.19 Assemble and mount block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.21 Assemble and mount block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.22 Assemble and mount block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.23 Assemble and mount block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.24 Assemble and mount block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.25 Assemble and mount block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.27 Assemble and mount block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.28 Assemble and mount block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
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WP[20]		AUG14	SEP14	Cumulative
2.9.4.1.9.1 Survey detector hall, establish local procedures	BCWS	0	0	19,819
2.9.4.1.9.2 Install needed monuments and other equipment	BCWS	0	0	0
2.9.4.1.9.3 Document survey procedures	BCWS	0	0	1,111
2.9.4.2.1.1 Establish pallet contract	BCWS	0	0	2,221
2.9.4.2.1.2 Receive 5 block pallets	BCWS	0	0	70,480
2.9.4.2.1.3 Receive 5 block pallets	BCWS	0	0	72,182
2.9.4.2.1.4 Receive 5 block pallets	BCWS	0	0	72,182
2.9.4.2.1.5 Receive 5 block pallets	BCWS	0	0	73,933
2.9.4.2.1.6 Receive 5 block pallets	BCWS	0	0	73,933
2.9.4.2.1.7 Receive 5 block pallets	BCWS	0	0	73,933
2.9.4.2.2.1 Establish adhesive contract	BCWS	0	0	2,692
2.9.4.2.2.2 Receive 5 shipments - adhesive	BCWS	0	0	471,497
2.9.4.2.2.3 Receive 5 shipments - adhesive	BCWS	0	0	482,009
2.9.4.2.2.4 Receive 5 shipments - adhesive	BCWS	0	0	482,009
2.9.4.2.2.5 Receive 5 shipments - adhesive	BCWS	0	0	492,792
2.9.4.2.2.6 Receive 5 shipments - adhesive	BCWS	0	0	492,792
2.9.4.2.2.7 Receive 5 shipments - adhesive	BCWS	0	0	492,792
2.9.4.2.3.1 Establish expansion tank contract	BCWS	0	0	2,221
2.9.4.2.3.2 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	37,616
2.9.4.2.3.3 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	13,735
2.9.4.2.3.4 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	13,735
2.9.4.2.3.5 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	14,198
2.9.4.2.3.6 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	14,198
2.9.4.2.3.7 Fabricate and deliver 5 shipments - expansion tanks	BCWS	0	0	14,198
2.9.4.2.4.1 Establish filler grout contract	BCWS	0	0	2,221
2.9.4.2.4.2 Receive 5 batches - filler grout	BCWS	0	0	75,475
2.9.4.2.4.3 Receive 5 batches - filler grout	BCWS	0	0	77,287
2.9.4.2.4.4 Receive 5 batches - filler grout	BCWS	0	0	77,287
2.9.4.2.4.5 Receive 5 batches - filler grout	BCWS	0	0	79,151
2.9.4.2.4.6 Receive 5 batches - filler grout	BCWS	0	0	79,151
2.9.4.2.4.7 Receive 5 batches - filler grout	BCWS	0	0	79,151
2.9.4.2.5.1 Establish block base grout contract	BCWS	0	0	2,221
2.9.4.2.5.2 Receive 5 batches - block base grout	BCWS	0	0	7,344
2.9.4.2.5.3 Receive 5 batches - block base grout	BCWS	0	0	7,659
2.9.4.2.5.4 Receive 5 batches - block base grout	BCWS	0	0	7,659
2.9.4.2.5.5 Receive 5 batches - block base grout	BCWS	0	0	7,988
2.9.4.2.5.6 Receive 5 batches - block base grout	BCWS	0	0	7,988
2.9.4.2.5.7 Receive 5 batches - block base grout	BCWS	0	0	7,988
2.9.4.3.1 Operations review: Far detector assembly procedures	BCWS	0	0	0
2.9.4.3.10 Assemble and mount block 7	BCWS	0	0	133,671
2.9.4.3.11 Assemble and mount block 8	BCWS	0	0	114,687
2.9.4.3.12 Assemble and mount block 9	BCWS	0	0	114,687
2.9.4.3.13 Assemble and mount block 10	BCWS	0	0	114,687
2.9.4.3.15 Assemble and mount block 11	BCWS	0	0	114,687
2.9.4.3.16 Assemble and mount block 12	BCWS	0	0	114,687
2.9.4.3.17 Assemble and mount block 13	BCWS	0	0	114,687
2.9.4.3.18 Assemble and mount block 14	BCWS	0	0	119,496
2.9.4.3.19 Assemble and mount block 15	BCWS	0	0	119,897
2.9.4.3.21 Assemble and mount block 16	BCWS	0	0	119,897
2.9.4.3.22 Assemble and mount block 17	BCWS	0	0	119,897
2.9.4.3.23 Assemble and mount block 18	BCWS	0	0	119,897
2.9.4.3.24 Assemble and mount block 19	BCWS	0	0	119,897
2.9.4.3.25 Assemble and mount block 20	BCWS	0	0	119,897
2.9.4.3.27 Assemble and mount block 21	BCWS	0	0	119,897
2.9.4.3.28 Assemble and mount block 22	BCWS	0	0	119,897

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WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.9.4.3.29 Assemble and mount block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.3 Assemble and mount block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.30 Assemble and mount block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.31 Assemble and mount block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.33 Assemble and mount block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.34 Assemble and mount block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.35 Assemble and mount block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.36 Assemble and mount block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.37 Assemble and mount block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.4 Assemble and mount block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.48 Survey super-block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.49 Survey super-block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.5 Assemble and mount block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.50 Survey super-block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.51 Survey super-block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.52 Survey super-block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.53 Survey super-block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.6 Assemble and mount block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.7 Assemble and mount block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.9 Assemble and mount block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.1 Crew Training and Setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.10 Fill block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.11 Fill block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.12 Fill block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.14 Fill block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.15 Fill block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.16 Fill block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.17 Fill block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.18 Fill block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.2 Fill block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.20 Fill block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.21 Fill block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.22 Fill block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.23 Fill block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.24 Fill block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.26 Fill block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.27 Fill block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.28 Fill block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.29 Fill block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.3 Fill block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.30 Fill block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.32 Fill block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.33 Fill block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.34 Fill block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.35 Fill block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.36 Fill block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.4 Fill block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.5 Fill block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.6 Fill block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.8 Fill block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.9 Fill block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.1 Outfit blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.10 Outfit blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.11 Outfit blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.12 Outfit blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0

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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.9.4.3.29 Assemble and mount block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.3 Assemble and mount block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.30 Assemble and mount block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.31 Assemble and mount block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.33 Assemble and mount block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.34 Assemble and mount block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.35 Assemble and mount block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.36 Assemble and mount block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.37 Assemble and mount block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.4 Assemble and mount block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.48 Survey super-block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.49 Survey super-block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.5 Assemble and mount block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.50 Survey super-block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.51 Survey super-block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.52 Survey super-block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.53 Survey super-block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.6 Assemble and mount block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.7 Assemble and mount block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.9 Assemble and mount block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.1 Crew Training and Setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.10 Fill block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.11 Fill block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.12 Fill block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.14 Fill block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.15 Fill block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.16 Fill block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.17 Fill block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.18 Fill block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.2 Fill block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.20 Fill block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.21 Fill block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.22 Fill block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.23 Fill block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.24 Fill block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.26 Fill block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.27 Fill block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.28 Fill block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.29 Fill block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.3 Fill block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.30 Fill block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.32 Fill block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.33 Fill block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.34 Fill block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.35 Fill block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.36 Fill block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.4 Fill block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.5 Fill block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.6 Fill block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.8 Fill block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.9 Fill block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.1 Outfit blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.10 Outfit blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.11 Outfit blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.12 Outfit blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.9.4.3.29 Assemble and mount block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.3 Assemble and mount block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.30 Assemble and mount block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.31 Assemble and mount block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.33 Assemble and mount block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.34 Assemble and mount block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.35 Assemble and mount block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.36 Assemble and mount block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.37 Assemble and mount block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.4 Assemble and mount block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.48 Survey super-block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.49 Survey super-block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.5 Assemble and mount block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.50 Survey super-block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.51 Survey super-block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.52 Survey super-block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.53 Survey super-block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.6 Assemble and mount block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.7 Assemble and mount block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.9 Assemble and mount block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.1 Crew Training and Setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.10 Fill block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.11 Fill block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.12 Fill block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.14 Fill block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.15 Fill block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.16 Fill block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.17 Fill block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.18 Fill block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.2 Fill block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.20 Fill block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.21 Fill block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.22 Fill block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.23 Fill block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.24 Fill block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.26 Fill block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.27 Fill block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.28 Fill block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.29 Fill block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.3 Fill block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.30 Fill block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.32 Fill block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.33 Fill block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.34 Fill block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.35 Fill block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.36 Fill block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.4 Fill block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.5 Fill block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.6 Fill block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.8 Fill block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.9 Fill block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.1 Outfit blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.10 Outfit blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.11 Outfit blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.12 Outfit blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.9.4.3.29 Assemble and mount block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.3 Assemble and mount block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.30 Assemble and mount block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.31 Assemble and mount block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.33 Assemble and mount block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.34 Assemble and mount block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.35 Assemble and mount block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.36 Assemble and mount block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.37 Assemble and mount block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.4 Assemble and mount block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.48 Survey super-block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.49 Survey super-block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.5 Assemble and mount block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.50 Survey super-block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.51 Survey super-block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.52 Survey super-block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.53 Survey super-block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.6 Assemble and mount block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.7 Assemble and mount block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.9 Assemble and mount block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.1 Crew Training and Setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.10 Fill block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.11 Fill block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.12 Fill block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.14 Fill block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.15 Fill block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.16 Fill block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.17 Fill block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.18 Fill block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.2 Fill block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.20 Fill block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.21 Fill block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.22 Fill block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.23 Fill block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.24 Fill block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.26 Fill block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.27 Fill block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.28 Fill block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.29 Fill block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.3 Fill block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.30 Fill block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.32 Fill block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.33 Fill block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.34 Fill block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.35 Fill block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.36 Fill block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.4 Fill block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.5 Fill block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.6 Fill block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.8 Fill block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.9 Fill block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.1 Outfit blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.10 Outfit blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.11 Outfit blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.12 Outfit blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.9.4.3.29 Assemble and mount block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.3 Assemble and mount block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.30 Assemble and mount block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.31 Assemble and mount block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.33 Assemble and mount block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.34 Assemble and mount block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.35 Assemble and mount block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.36 Assemble and mount block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.37 Assemble and mount block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.4 Assemble and mount block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.48 Survey super-block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.49 Survey super-block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.5 Assemble and mount block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.50 Survey super-block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.51 Survey super-block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.52 Survey super-block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.53 Survey super-block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.6 Assemble and mount block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.7 Assemble and mount block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.9 Assemble and mount block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.1 Crew Training and Setup	BCWS	0	0	0	0	0	0	0	0	4,786	11,167	10,031
2.9.4.4.10 Fill block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.11 Fill block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.12 Fill block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.14 Fill block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.15 Fill block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.16 Fill block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.17 Fill block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.18 Fill block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.2 Fill block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.20 Fill block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.21 Fill block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.22 Fill block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.23 Fill block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.24 Fill block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.26 Fill block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.27 Fill block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.28 Fill block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.29 Fill block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.3 Fill block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.30 Fill block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.32 Fill block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.33 Fill block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.34 Fill block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.35 Fill block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.36 Fill block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.4 Fill block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.5 Fill block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.6 Fill block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.8 Fill block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.9 Fill block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.1 Outfit blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.10 Outfit blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.11 Outfit blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.12 Outfit blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
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WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.9.4.3.29 Assemble and mount block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.3 Assemble and mount block 1	BCWS	86,019	57,346	0	0	0	0	0	0	0	0	0
2.9.4.3.30 Assemble and mount block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.31 Assemble and mount block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.33 Assemble and mount block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.34 Assemble and mount block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.35 Assemble and mount block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.36 Assemble and mount block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.37 Assemble and mount block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.4 Assemble and mount block 2	BCWS	0	0	123,277	82,185	0	0	0	0	0	0	0
2.9.4.3.48 Survey super-block 1	BCWS	0	0	0	0	0	0	8,390	0	0	0	0
2.9.4.3.49 Survey super-block 2	BCWS	0	0	0	0	0	0	0	0	0	8,390	0
2.9.4.3.5 Assemble and mount block 3	BCWS	0	0	0	77,078	198,200	0	0	0	0	0	0
2.9.4.3.50 Survey super-block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.51 Survey super-block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.52 Survey super-block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.53 Survey super-block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.6 Assemble and mount block 4	BCWS	0	0	0	0	45,736	102,905	0	0	0	0	0
2.9.4.3.7 Assemble and mount block 5	BCWS	0	0	0	0	0	137,207	11,434	0	0	0	0
2.9.4.3.9 Assemble and mount block 6	BCWS	0	0	0	0	0	0	133,671	0	0	0	0
2.9.4.4.1 Crew Training and Setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.10 Fill block 8	BCWS	0	0	0	0	0	0	0	0	0	0	14,970
2.9.4.4.11 Fill block 9	BCWS	0	0	0	0	0	0	0	0	0	0	1,152
2.9.4.4.12 Fill block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.14 Fill block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.15 Fill block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.16 Fill block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.17 Fill block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.18 Fill block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.2 Fill block 1	BCWS	0	0	0	0	0	0	14,970	0	0	0	0
2.9.4.4.20 Fill block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.21 Fill block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.22 Fill block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.23 Fill block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.24 Fill block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.26 Fill block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.27 Fill block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.28 Fill block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.29 Fill block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.3 Fill block 2	BCWS	0	0	0	0	0	0	9,212	5,758	0	0	0
2.9.4.4.30 Fill block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.32 Fill block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.33 Fill block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.34 Fill block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.35 Fill block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.36 Fill block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.4 Fill block 3	BCWS	0	0	0	0	0	0	0	14,970	0	0	0
2.9.4.4.5 Fill block 4	BCWS	0	0	0	0	0	0	0	3,455	11,515	0	0
2.9.4.4.6 Fill block 5	BCWS	0	0	0	0	0	0	0	0	12,667	2,303	0
2.9.4.4.8 Fill block 6	BCWS	0	0	0	0	0	0	0	0	0	14,970	0
2.9.4.4.9 Fill block 7	BCWS	0	0	0	0	0	0	0	0	0	9,212	5,758
2.9.4.5.1 Outfit blocks 1-2	BCWS	0	0	0	0	0	0	0	23,365	14,603	0	0
2.9.4.5.10 Outfit blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.11 Outfit blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.12 Outfit blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	0	0

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.9.4.3.29 Assemble and mount block 23	BCWS	0	0	0	0	0	64,560	55,337	0	0	0	0
2.9.4.3.3 Assemble and mount block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.30 Assemble and mount block 24	BCWS	0	0	0	0	0	0	119,897	0	0	0	0
2.9.4.3.31 Assemble and mount block 25	BCWS	0	0	0	0	0	0	27,668	92,228	0	0	0
2.9.4.3.33 Assemble and mount block 26	BCWS	0	0	0	0	0	0	0	110,674	9,223	0	0
2.9.4.3.34 Assemble and mount block 27	BCWS	0	0	0	0	0	0	0	0	119,897	0	0
2.9.4.3.35 Assemble and mount block 28	BCWS	0	0	0	0	0	0	0	0	55,337	64,560	0
2.9.4.3.36 Assemble and mount block 29	BCWS	0	0	0	0	0	0	0	0	0	119,897	0
2.9.4.3.37 Assemble and mount block 30	BCWS	0	0	0	0	0	0	0	0	0	18,446	101,451
2.9.4.3.4 Assemble and mount block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.48 Survey super-block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.49 Survey super-block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.5 Assemble and mount block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.50 Survey super-block 3	BCWS	0	8,575	0	0	0	0	0	0	0	0	0
2.9.4.3.51 Survey super-block 4	BCWS	0	0	0	0	8,575	0	0	0	0	0	0
2.9.4.3.52 Survey super-block 5	BCWS	0	0	0	0	0	0	0	8,575	0	0	0
2.9.4.3.53 Survey super-block 6	BCWS	0	0	0	0	0	0	0	0	0	0	8,575
2.9.4.3.6 Assemble and mount block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.7 Assemble and mount block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.9 Assemble and mount block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.1 Crew Training and Setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.10 Fill block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.11 Fill block 9	BCWS	14,482	0	0	0	0	0	0	0	0	0	0
2.9.4.4.12 Fill block 10	BCWS	13,275	2,414	0	0	0	0	0	0	0	0	0
2.9.4.4.14 Fill block 11	BCWS	0	15,689	0	0	0	0	0	0	0	0	0
2.9.4.4.15 Fill block 12	BCWS	0	6,034	9,655	0	0	0	0	0	0	0	0
2.9.4.4.16 Fill block 13	BCWS	0	0	12,068	3,621	0	0	0	0	0	0	0
2.9.4.4.17 Fill block 14	BCWS	0	0	0	15,689	0	0	0	0	0	0	0
2.9.4.4.18 Fill block 15	BCWS	0	0	0	6,034	9,655	0	0	0	0	0	0
2.9.4.4.2 Fill block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.20 Fill block 16	BCWS	0	0	0	0	14,482	1,207	0	0	0	0	0
2.9.4.4.21 Fill block 17	BCWS	0	0	0	0	0	15,689	0	0	0	0	0
2.9.4.4.22 Fill block 18	BCWS	0	0	0	0	0	8,448	7,241	0	0	0	0
2.9.4.4.23 Fill block 19	BCWS	0	0	0	0	0	0	15,689	0	0	0	0
2.9.4.4.24 Fill block 20	BCWS	0	0	0	0	0	0	3,621	12,068	0	0	0
2.9.4.4.26 Fill block 21	BCWS	0	0	0	0	0	0	0	14,482	1,207	0	0
2.9.4.4.27 Fill block 22	BCWS	0	0	0	0	0	0	0	0	15,689	0	0
2.9.4.4.28 Fill block 23	BCWS	0	0	0	0	0	0	0	0	7,241	8,448	0
2.9.4.4.29 Fill block 24	BCWS	0	0	0	0	0	0	0	0	0	15,689	0
2.9.4.4.3 Fill block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.30 Fill block 25	BCWS	0	0	0	0	0	0	0	0	0	2,414	13,275
2.9.4.4.32 Fill block 26	BCWS	0	0	0	0	0	0	0	0	0	0	13,275
2.9.4.4.33 Fill block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.34 Fill block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.35 Fill block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.36 Fill block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.4 Fill block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.5 Fill block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.6 Fill block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.8 Fill block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.9 Fill block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.1 Outfit blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.10 Outfit blocks 19-20	BCWS	0	0	0	0	0	0	0	18,365	21,426	0	0
2.9.4.5.11 Outfit blocks 21-22	BCWS	0	0	0	0	0	0	0	0	9,182	30,608	0
2.9.4.5.12 Outfit blocks 23-24	BCWS	0	0	0	0	0	0	0	0	0	3,061	33,669

Program:	Description:
NV-DEC10	NOvA projec
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.9.4.3.29 Assemble and mount block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.3 Assemble and mount block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.30 Assemble and mount block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.31 Assemble and mount block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.33 Assemble and mount block 26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.34 Assemble and mount block 27	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.35 Assemble and mount block 28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.36 Assemble and mount block 29	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.37 Assemble and mount block 30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.4 Assemble and mount block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.48 Survey super-block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.49 Survey super-block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.5 Assemble and mount block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.50 Survey super-block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.51 Survey super-block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.52 Survey super-block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.53 Survey super-block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.6 Assemble and mount block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.7 Assemble and mount block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.3.9 Assemble and mount block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.1 Crew Training and Setup	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.10 Fill block 8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.11 Fill block 9	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.12 Fill block 10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.14 Fill block 11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.15 Fill block 12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.16 Fill block 13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.17 Fill block 14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.18 Fill block 15	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.2 Fill block 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.20 Fill block 16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.21 Fill block 17	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.22 Fill block 18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.23 Fill block 19	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.24 Fill block 20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.26 Fill block 21	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.27 Fill block 22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.28 Fill block 23	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.29 Fill block 24	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.3 Fill block 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.30 Fill block 25	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.32 Fill block 26	BCWS	2,414	0	0	0	0	0	0	0	0	0	0
2.9.4.4.33 Fill block 27	BCWS	15,689	0	0	0	0	0	0	0	0	0	0
2.9.4.4.34 Fill block 28	BCWS	0	16,442	0	0	0	0	0	0	0	0	0
2.9.4.4.35 Fill block 29	BCWS	0	3,794	12,648	0	0	0	0	0	0	0	0
2.9.4.4.36 Fill block 30	BCWS	0	0	11,383	5,059	0	0	0	0	0	0	0
2.9.4.4.4 Fill block 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.5 Fill block 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.6 Fill block 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.8 Fill block 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.4.9 Fill block 7	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.1 Outfit blocks 1-2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.10 Outfit blocks 19-20	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.11 Outfit blocks 21-22	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.12 Outfit blocks 23-24	BCWS	3,061	0	0	0	0	0	0	0	0	0	0

Program:	Description:			
NV-DEC10	NOvA projec			
Run Date:	Status Date:			
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WP[20]		AUG14	SEP14	Cumulative
2.9.4.3.29 Assemble and mount block 23	BCWS	0	0	119,897
2.9.4.3.3 Assemble and mount block 1	BCWS	0	0	143,364
2.9.4.3.30 Assemble and mount block 24	BCWS	0	0	119,897
2.9.4.3.31 Assemble and mount block 25	BCWS	0	0	119,897
2.9.4.3.33 Assemble and mount block 26	BCWS	0	0	119,897
2.9.4.3.34 Assemble and mount block 27	BCWS	0	0	119,897
2.9.4.3.35 Assemble and mount block 28	BCWS	0	0	119,897
2.9.4.3.36 Assemble and mount block 29	BCWS	0	0	119,897
2.9.4.3.37 Assemble and mount block 30	BCWS	0	0	119,897
2.9.4.3.4 Assemble and mount block 2	BCWS	0	0	205,462
2.9.4.3.48 Survey super-block 1	BCWS	0	0	8,390
2.9.4.3.49 Survey super-block 2	BCWS	0	0	8,390
2.9.4.3.5 Assemble and mount block 3	BCWS	0	0	275,278
2.9.4.3.50 Survey super-block 3	BCWS	0	0	8,575
2.9.4.3.51 Survey super-block 4	BCWS	0	0	8,575
2.9.4.3.52 Survey super-block 5	BCWS	0	0	8,575
2.9.4.3.53 Survey super-block 6	BCWS	0	0	8,575
2.9.4.3.6 Assemble and mount block 4	BCWS	0	0	148,641
2.9.4.3.7 Assemble and mount block 5	BCWS	0	0	148,641
2.9.4.3.9 Assemble and mount block 6	BCWS	0	0	133,671
2.9.4.4.1 Crew Training and Setup	BCWS	0	0	25,985
2.9.4.4.10 Fill block 8	BCWS	0	0	14,970
2.9.4.4.11 Fill block 9	BCWS	0	0	15,634
2.9.4.4.12 Fill block 10	BCWS	0	0	15,689
2.9.4.4.14 Fill block 11	BCWS	0	0	15,689
2.9.4.4.15 Fill block 12	BCWS	0	0	15,689
2.9.4.4.16 Fill block 13	BCWS	0	0	15,689
2.9.4.4.17 Fill block 14	BCWS	0	0	15,689
2.9.4.4.18 Fill block 15	BCWS	0	0	15,689
2.9.4.4.2 Fill block 1	BCWS	0	0	14,970
2.9.4.4.20 Fill block 16	BCWS	0	0	15,689
2.9.4.4.21 Fill block 17	BCWS	0	0	15,689
2.9.4.4.22 Fill block 18	BCWS	0	0	15,689
2.9.4.4.23 Fill block 19	BCWS	0	0	15,689
2.9.4.4.24 Fill block 20	BCWS	0	0	15,689
2.9.4.4.26 Fill block 21	BCWS	0	0	15,689
2.9.4.4.27 Fill block 22	BCWS	0	0	15,689
2.9.4.4.28 Fill block 23	BCWS	0	0	15,689
2.9.4.4.29 Fill block 24	BCWS	0	0	15,689
2.9.4.4.3 Fill block 2	BCWS	0	0	14,970
2.9.4.4.30 Fill block 25	BCWS	0	0	15,689
2.9.4.4.32 Fill block 26	BCWS	0	0	15,689
2.9.4.4.33 Fill block 27	BCWS	0	0	15,689
2.9.4.4.34 Fill block 28	BCWS	0	0	16,442
2.9.4.4.35 Fill block 29	BCWS	0	0	16,442
2.9.4.4.36 Fill block 30	BCWS	0	0	16,442
2.9.4.4.4 Fill block 3	BCWS	0	0	14,970
2.9.4.4.5 Fill block 4	BCWS	0	0	14,970
2.9.4.4.6 Fill block 5	BCWS	0	0	14,970
2.9.4.4.8 Fill block 6	BCWS	0	0	14,970
2.9.4.4.9 Fill block 7	BCWS	0	0	14,970
2.9.4.5.1 Outfit blocks 1-2	BCWS	0	0	37,967
2.9.4.5.10 Outfit blocks 19-20	BCWS	0	0	39,791
2.9.4.5.11 Outfit blocks 21-22	BCWS	0	0	39,791
2.9.4.5.12 Outfit blocks 23-24	BCWS	0	0	39,791

Program:	Description:
NV-DEC10	NOvA project as of 31-Dec-2010
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		APR07	MAY07	JUN07	JUL07	AUG07	SEP07	OCT07	NOV07	DEC07	JAN08	FEB08
2.9.4.5.13 Outfit blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.14 Outfit blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.15 Outfit blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.2 Outfit blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.3 Outfit blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.4 Outfit blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.5 Outfit blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.6 Outfit blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.7 Outfit blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.8 Outfit blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.9 Outfit blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.1 Operations review: intial readout system use.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.2 Checkout block 1 photodetector and readout system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.10 Readout cosmic tracks in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.21 Read out neutrino event in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.22 Read out neutrino event in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.23 Read out neutrino event in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.24 Read out neutrino event in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.25 Read out neutrino event in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.26 Read out neutrino event in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.5 Readout cosmic tracks in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.6 Readout cosmic tracks in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.7 Readout cosmic tracks in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.8 Readout cosmic tracks in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.9 Readout cosmic tracks in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.1 Assembly crew management - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.2 Assembly crew management - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.3 Assembly crew management - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.4 Assembly crew management - FY14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
Grand Totals:												
	BCWS	28	1,244,524	722,489	673,932	756,939	9,350,901	949,551	561,156	750,892	192,316	211,841

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		MAR08	APR08	MAY08	JUN08	JUL08	AUG08	SEP08	OCT08	NOV08	DEC08	JAN09
2.9.4.5.13 Outfit blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.14 Outfit blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.15 Outfit blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.2 Outfit blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.3 Outfit blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.4 Outfit blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.5 Outfit blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.6 Outfit blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.7 Outfit blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.8 Outfit blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.9 Outfit blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.1 Operations review: intial readout system use.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.2 Checkout block 1 photodetector and readout system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.10 Readout cosmic tracks in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.21 Read out neutrino event in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.22 Read out neutrino event in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.23 Read out neutrino event in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.24 Read out neutrino event in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.25 Read out neutrino event in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.26 Read out neutrino event in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.5 Readout cosmic tracks in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.6 Readout cosmic tracks in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.7 Readout cosmic tracks in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.8 Readout cosmic tracks in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.9 Readout cosmic tracks in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.1 Assembly crew management - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.2 Assembly crew management - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.3 Assembly crew management - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.4 Assembly crew management - FY14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	9,478	7,418	8,242	8,242
2.9.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	288	225	250	250
2.9.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
Grand Totals:												
	BCWS	154,868	114,126	41,242	41,242	43,206	57,554	432,546	479,717	372,772	215,078	279,231

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		FEB09	MAR09	APR09	MAY09	JUN09	JUL09	AUG09	SEP09	OCT09	NOV09	DEC09
2.9.4.5.13 Outfit blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.14 Outfit blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.15 Outfit blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.2 Outfit blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.3 Outfit blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.4 Outfit blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.5 Outfit blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.6 Outfit blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.7 Outfit blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.8 Outfit blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.9 Outfit blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.1 Operations review: intial readout system use.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.2 Checkout block 1 photodetector and readout system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.10 Readout cosmic tracks in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.21 Read out neutrino event in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.22 Read out neutrino event in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.23 Read out neutrino event in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.24 Read out neutrino event in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.25 Read out neutrino event in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.26 Read out neutrino event in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.5 Readout cosmic tracks in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.6 Readout cosmic tracks in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.7 Readout cosmic tracks in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.8 Readout cosmic tracks in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.9 Readout cosmic tracks in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.1 Assembly crew management - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.2 Assembly crew management - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.3 Assembly crew management - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.4 Assembly crew management - FY14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.1 Labor	BCWS	8,242	9,066	9,066	8,242	10,664	10,664	10,179	9,694	0	0	0
2.9.5.2.2 Travel	BCWS	250	275	275	250	275	275	263	250	0	0	0
2.9.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	24,655	21,293	22,414
2.9.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	281	243	256
2.9.5.3.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
Grand Totals:												
	BCWS	2,485,264	2,309,107	2,813,362	3,127,684	2,300,288	1,700,305	1,376,713	1,393,788	2,683,913	2,347,382	2,028,631

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		JAN10	FEB10	MAR10	APR10	MAY10	JUN10	JUL10	AUG10	SEP10	OCT10	NOV10
2.9.4.5.13 Outfit blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.14 Outfit blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.15 Outfit blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.2 Outfit blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.3 Outfit blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.4 Outfit blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.5 Outfit blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.6 Outfit blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.7 Outfit blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.8 Outfit blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.9 Outfit blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.1 Operations review: intial readout system use.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.2 Checkout block 1 photodetector and readout system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.10 Readout cosmic tracks in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.21 Read out neutrino event in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.22 Read out neutrino event in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.23 Read out neutrino event in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.24 Read out neutrino event in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.25 Read out neutrino event in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.26 Read out neutrino event in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.5 Readout cosmic tracks in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.6 Readout cosmic tracks in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.7 Readout cosmic tracks in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.8 Readout cosmic tracks in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.9 Readout cosmic tracks in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.1 Assembly crew management - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.2 Assembly crew management - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.3 Assembly crew management - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.4 Assembly crew management - FY14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.1 Labor	BCWS	21,293	22,414	25,776	24,655	22,414	24,655	23,534	24,655	22,414	0	0
2.9.5.3.2 Travel	BCWS	243	256	294	281	256	281	268	281	256	0	0
2.9.5.3.5 Travel - additional	BCWS	1,598	1,682	1,935	1,850	1,682	1,850	1,766	1,850	1,766	0	0
2.9.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	24,802	23,621
2.9.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	274	261
2.9.5.4.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	1,371	1,305
2.9.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
Grand Totals:												
	BCWS	3,803,422	4,050,325	4,651,759	5,054,942	3,945,382	3,959,855	4,263,699	5,137,808	5,342,236	6,566,442	5,674,526

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		DEC10	JAN11	FEB11	MAR11	APR11	MAY11	JUN11	JUL11	AUG11	SEP11	OCT11
2.9.4.5.13 Outfit blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.14 Outfit blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.15 Outfit blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.2 Outfit blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.3 Outfit blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.4 Outfit blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.5 Outfit blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.6 Outfit blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.7 Outfit blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.8 Outfit blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.9 Outfit blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.1 Operations review: intial readout system use.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.2 Checkout block 1 photodetector and readout system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.10 Readout cosmic tracks in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.21 Read out neutrino event in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.22 Read out neutrino event in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.23 Read out neutrino event in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.24 Read out neutrino event in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.25 Read out neutrino event in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.26 Read out neutrino event in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.5 Readout cosmic tracks in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.6 Readout cosmic tracks in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.7 Readout cosmic tracks in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.8 Readout cosmic tracks in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.9 Readout cosmic tracks in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.1 Assembly crew management - FY11	BCWS	0	0	0	0	802	16,832	17,634	16,030	18,435	16,832	0
2.9.4.7.2 Assembly crew management - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	17,635
2.9.4.7.3 Assembly crew management - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.4 Assembly crew management - FY14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.1 Labor	BCWS	23,621	22,440	23,621	27,164	31,779	32,128	33,658	30,598	35,188	30,249	0
2.9.5.4.2 Travel	BCWS	261	248	261	300	274	274	287	261	300	261	0
2.9.5.4.5 Travel - additional	BCWS	1,305	1,240	1,305	1,501	1,371	1,371	1,436	1,305	1,501	1,305	0
2.9.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	38,449
2.9.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	280
2.9.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
Grand Totals:												
	BCWS	4,167,482	4,696,806	6,204,547	7,608,637	7,168,153	7,972,263	5,302,706	4,234,577	6,150,825	4,945,277	4,876,210

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
3/8/2011	12/31/2010

WP[20]		NOV11	DEC11	JAN12	FEB12	MAR12	APR12	MAY12	JUN12	JUL12	AUG12	SEP12
2.9.4.5.13 Outfit blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.14 Outfit blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.15 Outfit blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.2 Outfit blocks 3-4	BCWS	0	0	0	0	0	0	0	0	16,063	21,904	0
2.9.4.5.3 Outfit blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	11,682	26,285
2.9.4.5.4 Outfit blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	1,460
2.9.4.5.5 Outfit blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.6 Outfit blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.7 Outfit blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.8 Outfit blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.9 Outfit blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.1 Operations review: intial readout system use.	BCWS	0	0	0	0	0	0	0	0	1,540	0	0
2.9.4.6.2 Checkout block 1 photodetector and readout system	BCWS	0	0	0	0	0	0	0	0	1,261	841	0
2.9.4.6.10 Readout cosmic tracks in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.21 Read out neutrino event in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.22 Read out neutrino event in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.23 Read out neutrino event in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.24 Read out neutrino event in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.25 Read out neutrino event in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.26 Read out neutrino event in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.5 Readout cosmic tracks in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.6 Readout cosmic tracks in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.7 Readout cosmic tracks in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.8 Readout cosmic tracks in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.9 Readout cosmic tracks in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.1 Assembly crew management - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.2 Assembly crew management - FY12	BCWS	16,795	15,955	16,795	17,635	18,475	17,635	18,475	17,635	17,635	19,314	15,955
2.9.4.7.3 Assembly crew management - FY13	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.4 Assembly crew management - FY14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.1 Labor	BCWS	36,618	34,787	36,618	38,449	40,280	38,449	40,280	38,449	38,449	42,111	34,787
2.9.5.5.2 Travel	BCWS	267	253	267	280	293	280	293	280	280	307	253
2.9.5.6.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
Grand Totals:												
	BCWS	4,668,464	4,628,378	5,356,111	5,088,987	4,463,962	4,291,353	4,571,155	3,444,530	3,481,169	4,015,001	3,539,948

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		OCT12	NOV12	DEC12	JAN13	FEB13	MAR13	APR13	MAY13	JUN13	JUL13	AUG13
2.9.4.5.13 Outfit blocks 25-26	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.14 Outfit blocks 27-28	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.15 Outfit blocks 29-30	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.2 Outfit blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.3 Outfit blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.4 Outfit blocks 7-8	BCWS	35,199	3,061	0	0	0	0	0	0	0	0	0
2.9.4.5.5 Outfit blocks 9-10	BCWS	0	27,547	12,243	0	0	0	0	0	0	0	0
2.9.4.5.6 Outfit blocks 11-12	BCWS	0	0	15,304	24,487	0	0	0	0	0	0	0
2.9.4.5.7 Outfit blocks 13-14	BCWS	0	0	0	7,652	30,608	1,530	0	0	0	0	0
2.9.4.5.8 Outfit blocks 15-16	BCWS	0	0	0	0	0	30,608	9,182	0	0	0	0
2.9.4.5.9 Outfit blocks 17-18	BCWS	0	0	0	0	0	0	24,487	15,304	0	0	0
2.9.4.6.1 Operations review: intial readout system use.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.2 Checkout block 1 photodetector and readout system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.10 Readout cosmic tracks in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.21 Read out neutrino event in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.22 Read out neutrino event in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.23 Read out neutrino event in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.24 Read out neutrino event in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.25 Read out neutrino event in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.26 Read out neutrino event in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.5 Readout cosmic tracks in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.6 Readout cosmic tracks in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.7 Readout cosmic tracks in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.8 Readout cosmic tracks in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.9 Readout cosmic tracks in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.1 Assembly crew management - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.2 Assembly crew management - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.3 Assembly crew management - FY13	BCWS	20,161	17,531	15,778	18,408	17,531	18,408	19,285	19,285	17,531	19,285	19,285
2.9.4.7.4 Assembly crew management - FY14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.1 Labor	BCWS	43,957	38,223	34,401	40,135	38,223	40,135	42,046	42,046	38,223	42,046	42,046
2.9.5.6.2 Travel	BCWS	312	272	244	285	272	285	299	299	272	299	299
2.9.5.7.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.7.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
Grand Totals:												
	BCWS	3,998,342	3,083,703	1,920,933	2,220,735	2,436,804	1,900,447	1,712,685	2,225,018	1,484,040	960,017	865,023

Program:	Description:
NV-DEC10	NOvA projec
Run Date:	Status Date:
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WP[20]		SEP13	OCT13	NOV13	DEC13	JAN14	FEB14	MAR14	APR14	MAY14	JUN14	JUL14
2.9.4.5.13 Outfit blocks 25-26	BCWS	27,547	12,831	0	0	0	0	0	0	0	0	0
2.9.4.5.14 Outfit blocks 27-28	BCWS	0	4,812	30,474	6,416	0	0	0	0	0	0	0
2.9.4.5.15 Outfit blocks 29-30	BCWS	0	0	0	24,058	17,643	0	0	0	0	0	0
2.9.4.5.2 Outfit blocks 3-4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.3 Outfit blocks 5-6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.4 Outfit blocks 7-8	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.5 Outfit blocks 9-10	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.6 Outfit blocks 11-12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.7 Outfit blocks 13-14	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.8 Outfit blocks 15-16	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.5.9 Outfit blocks 17-18	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.1 Operations review: intial readout system use.	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.2 Checkout block 1 photodetector and readout system	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.10 Readout cosmic tracks in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.21 Read out neutrino event in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.22 Read out neutrino event in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.23 Read out neutrino event in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.24 Read out neutrino event in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.25 Read out neutrino event in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.26 Read out neutrino event in Superblock 6	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.5 Readout cosmic tracks in Superblock 1	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.6 Readout cosmic tracks in Superblock 2	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.7 Readout cosmic tracks in Superblock 3	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.8 Readout cosmic tracks in Superblock 4	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.6.9 Readout cosmic tracks in Superblock 5	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.1 Assembly crew management - FY11	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.2 Assembly crew management - FY12	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.4.7.3 Assembly crew management - FY13	BCWS	17,531	0	0	0	0	0	0	0	0	0	0
2.9.4.7.4 Assembly crew management - FY14	BCWS	0	21,218	17,528	17,528	19,373	18,450	16,605	0	0	0	0
2.9.5.2.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.2.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.3.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.4.5 Travel - additional	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.1 Labor	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.5.2 Travel	BCWS	0	0	0	0	0	0	0	0	0	0	0
2.9.5.6.1 Labor	BCWS	38,223	0	0	0	0	0	0	0	0	0	0
2.9.5.6.2 Travel	BCWS	272	0	0	0	0	0	0	0	0	0	0
2.9.5.7.1 Labor	BCWS	0	47,677	39,385	39,385	43,531	41,458	43,531	4,146	0	0	0
2.9.5.7.2 Travel	BCWS	0	319	264	264	291	278	291	305	291	291	305
Grand Totals:												
	BCWS	573,836	447,368	410,674	285,661	175,686	150,295	147,763	5,276	1,079	1,079	1,130

Program:	Description:			
NV-DEC10	NOvA projec			
Run Date:	Status Date:			
3/8/2011	12/31/2010			
WP[20]		**AUG14**	**SEP14**	**Cumulative**
2.9.4.5.13 Outfit blocks 25-26	BCWS	0	0	40,378
2.9.4.5.14 Outfit blocks 27-28	BCWS	0	0	41,701
2.9.4.5.15 Outfit blocks 29-30	BCWS	0	0	41,701
2.9.4.5.2 Outfit blocks 3-4	BCWS	0	0	37,967
2.9.4.5.3 Outfit blocks 5-6	BCWS	0	0	37,967
2.9.4.5.4 Outfit blocks 7-8	BCWS	0	0	39,721
2.9.4.5.5 Outfit blocks 9-10	BCWS	0	0	39,791
2.9.4.5.6 Outfit blocks 11-12	BCWS	0	0	39,791
2.9.4.5.7 Outfit blocks 13-14	BCWS	0	0	39,791
2.9.4.5.8 Outfit blocks 15-16	BCWS	0	0	39,791
2.9.4.5.9 Outfit blocks 17-18	BCWS	0	0	39,791
2.9.4.6.1 Operations review: intial readout system use.	BCWS	0	0	1,540
2.9.4.6.2 Checkout block 1 photodetector and readout system	BCWS	0	0	2,101
2.9.4.6.10 Readout cosmic tracks in Superblock 6	BCWS	0	0	0
2.9.4.6.21 Read out neutrino event in Superblock 1	BCWS	0	0	0
2.9.4.6.22 Read out neutrino event in Superblock 2	BCWS	0	0	0
2.9.4.6.23 Read out neutrino event in Superblock 3	BCWS	0	0	0
2.9.4.6.24 Read out neutrino event in Superblock 4	BCWS	0	0	0
2.9.4.6.25 Read out neutrino event in Superblock 5	BCWS	0	0	0
2.9.4.6.26 Read out neutrino event in Superblock 6	BCWS	0	0	0
2.9.4.6.5 Readout cosmic tracks in Superblock 1	BCWS	0	0	0
2.9.4.6.6 Readout cosmic tracks in Superblock 2	BCWS	0	0	0
2.9.4.6.7 Readout cosmic tracks in Superblock 3	BCWS	0	0	0
2.9.4.6.8 Readout cosmic tracks in Superblock 4	BCWS	0	0	0
2.9.4.6.9 Readout cosmic tracks in Superblock 5	BCWS	0	0	0
2.9.4.7.1 Assembly crew management - FY11	BCWS	0	0	86,565
2.9.4.7.2 Assembly crew management - FY12	BCWS	0	0	209,938
2.9.4.7.3 Assembly crew management - FY13	BCWS	0	0	220,019
2.9.4.7.4 Assembly crew management - FY14	BCWS	0	0	110,702
2.9.5.2.1 Labor	BCWS	0	0	109,197
2.9.5.2.2 Travel	BCWS	0	0	3,131
2.9.5.3.1 Labor	BCWS	0	0	280,171
2.9.5.3.2 Travel	BCWS	0	0	3,196
2.9.5.3.5 Travel - additional	BCWS	0	0	15,981
2.9.5.4.1 Labor	BCWS	0	0	338,870
2.9.5.4.2 Travel	BCWS	0	0	3,263
2.9.5.4.5 Travel - additional	BCWS	0	0	16,317
2.9.5.5.1 Labor	BCWS	0	0	457,725
2.9.5.5.2 Travel	BCWS	0	0	3,335
2.9.5.6.1 Labor	BCWS	0	0	479,705
2.9.5.6.2 Travel	BCWS	0	0	3,409
2.9.5.7.1 Labor	BCWS	0	0	259,113
2.9.5.7.2 Travel	BCWS	291	291	3,484
Grand Totals:				
	BCWS	1,079	1,079	230,549,275