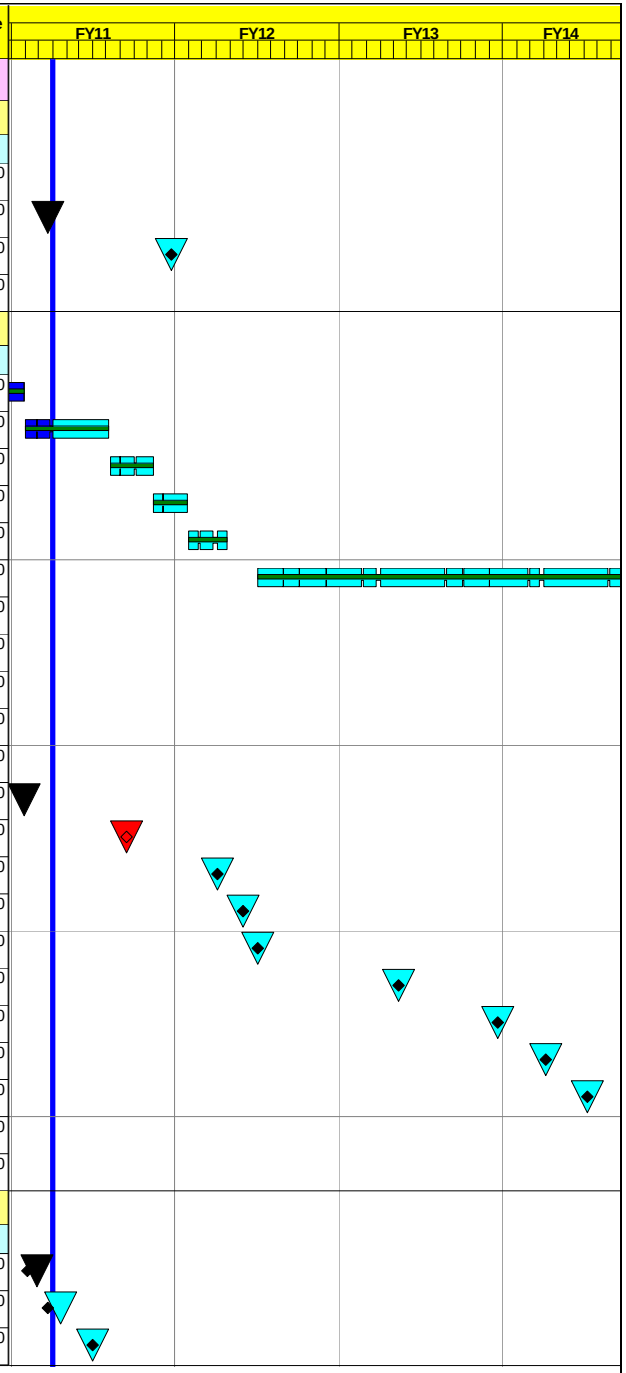
NSTX Upgrade Project

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
Critical Decisions										
LEVEL I										
CD1A	CD1 Approval	0			**15APR10A**	*15APR10A*		**0.00**	**100**	0.00
CD2A	Receive CD-2 Approval	0			**20DEC10***	*20DEC10A*		**0.00**		0.00
CD3A	Receive CD-3 Approval	0			**23SEP11**	*23SEP11*	128	**0.00**		0.00
CD4	CD4	0			**29MAY15**	*29MAY15*	0	**0.00**		0.00
Level 2 Milestones										
LEVEL II										
0001	**NSTX FY10 RUN- 15 RUN WEEKS**(FY11-4WKS)	149*	**01APR10A**	*01APR10A*	**29OCT10**	*29OCT10A*		**0.00**	**100**	0.00
0002	**NSTX FY 11 OPENING/MAINTENANCE**	127*	**01NOV10***	*01NOV10A*	**06MAY11**	*06MAY11*	2,159	**0.00**		0.00
0003	**NSTX FY11 RUN - 10 RUN WEEKS**	68	**09MAY11***	*09MAY11**	**12AUG11**	*12AUG11*	2,159	**0.00**		0.00
0004	**NSTX FY12 MAINTENACE NO VV VENT!**	54	**15AUG11***	*15AUG11**	**28OCT11**	*28OCT11*	2,159	**0.00**		0.00
0005	**NSTX RUN 10 RUN WEEKS**	53	**31OCT11**	*31OCT11**	**23JAN12**	*23JAN12*	2,159	**0.00**		0.00
0006	**NSTX UPGRADE MAJOR OUTAGE**	622	**03APR12**	*03APR12*	**30SEP14***	*30SEP14**	1,487	**0.00**		0.00
CDR	PROJECT CDR	0			**28OCT09A**	*28OCT09A*		**0.00**	**100**	0.00
CD1	Submit CD-1 Request	0			**22JAN10A**	*22JAN10A*		**0.00**	**100**	0.00
1010	Project Preliminary Design Review (PDR)	0			**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
PDR	PROJECT PDR	0			**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
LRCD2	Lehman Review	0			**10AUG10A**	*10AUG10A*		**0.00**	**100**	0.00
1000	NB #2 Decon Program Complete	0			**01NOV10***	*29OCT10A*		**0.00**	**100**	0.00
FDR	PROJECT FDR	0			**15JUN11***	*15JUN11**	0	**0.00**		0.00
1070	Friction Stir-Weld Coil Leads TF Conductors	0			**05JAN12**	*05JAN12*	17	**0.00**		0.00
SD-1	NSTX COMPLETE OPERATIONS	0			**01MAR12***	*01MAR12**	139	**0.00**		0.00
SD-2	BEGIN UPGRADE OUTAGE	0			**02APR12**	*02APR12*	139	**0.00**		0.00
1150	Complete Assy And Pot Of 4th Inner TF Quadrant	0			**11FEB13**	*11FEB13*	17	**0.00**		0.00
1160	Complete Fabricate & test Inner TF/OH Coil Assy	0			**20SEP13**	*20SEP13*	17	**0.00**		0.00
1210	NB Cap Installed	0			**03JAN14**	*03JAN14*	1	**0.00**		0.00
1230	Lift In New Centerstack	0			**09APR14**	*09APR14*	13	**0.00**		0.00
1330	Complete ISTP.	0			**29SEP14**	*29SEP14*	1	**0.00**		0.00
SD-3	RESUME OPERATIONS (Early Start)	0			**30SEP14***	*30SEP14**	0	**0.00**		0.00
Level 3 Milestones										
LEVEL 3										
CD2	Submit CD2 Request	0			**05NOV10***	*24NOV10A*		**0.00**	**100**	0.00
1030	Award Inner (TF) Conductor Material Contract	0			**20DEC10**	*19JAN11*	41	**0.00**		0.00
1019	NBI Final Design Peer Review	0			**31MAR11***	*31MAR11**	53	**0.00**		0.00



Data Date 31DEC10
Run Date 14JAN11 13:17

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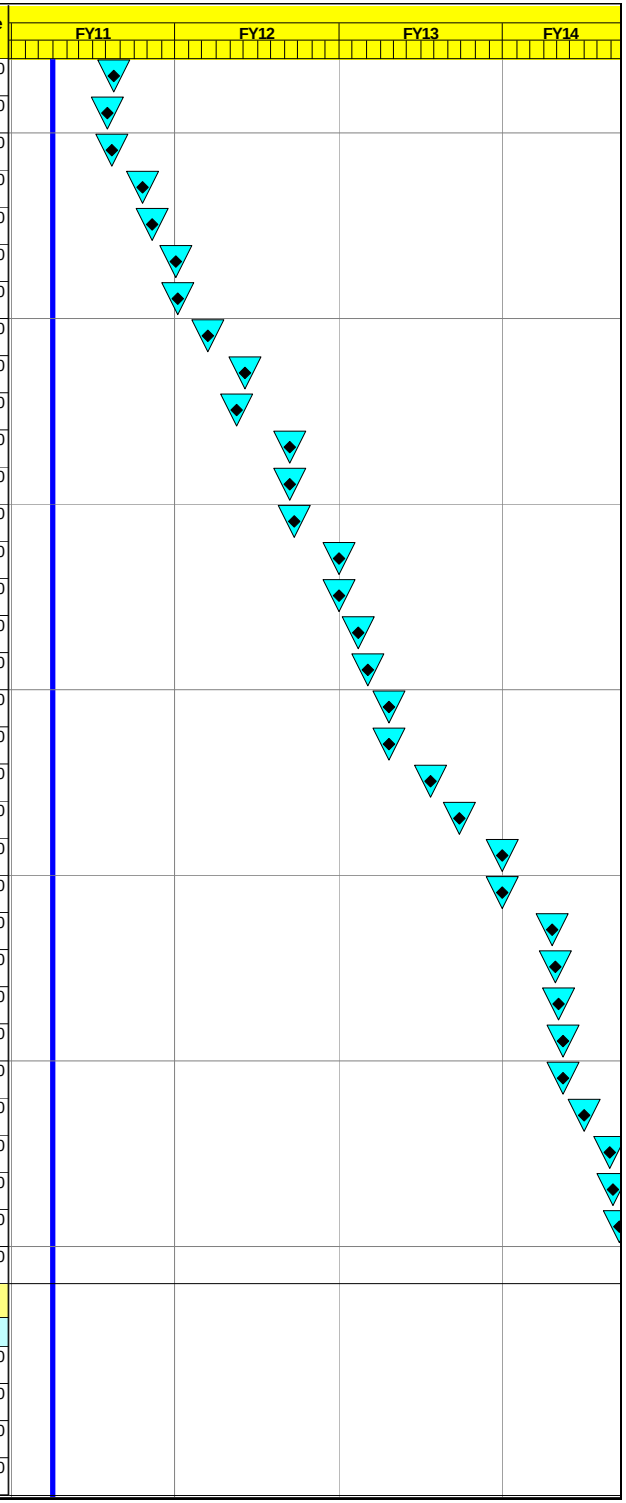
1101

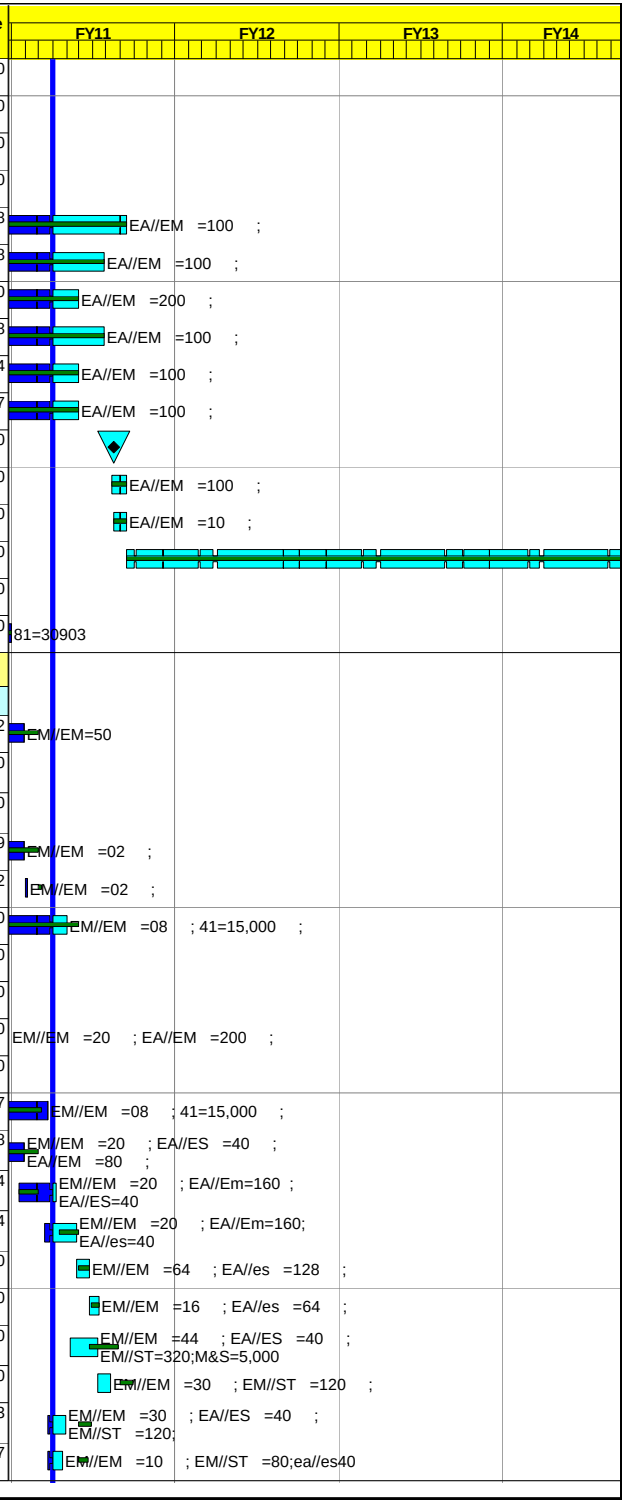
NSTX UPGRADES
RESOURCE LOADED SCHEDULE
CD-2 Schedule
January 2011

Early Bar
Progress Bar
Critical Activity

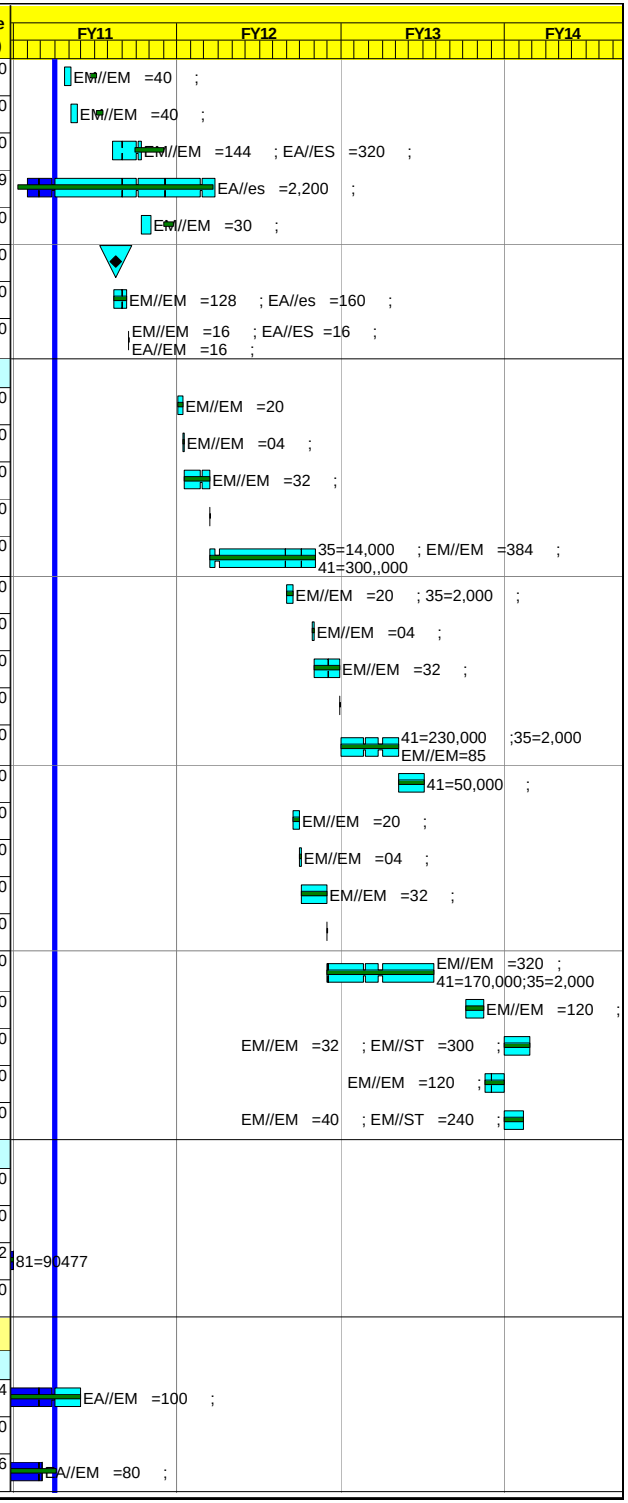
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1021	CS Final Design Peer Review	0			**16MAY11***	*16MAY11**	2,328	**0.00**		0.00
1035	Award Inner (TF) Conductor Machining contract	0			**03MAY11**	*03MAY11*	57	**0.00**		0.00
1037	Award TF Lead Extensions	0			**11MAY11**	*11MAY11*	17	**0.00**		0.00
LRCD3	Lehman Review	0			**21JUL11**	*21JUL11*	128	**0.00**		0.00
CD3	Submit CD3 Request	0			**11AUG11**	*11AUG11*	128	**0.00**		0.00
1038	Award Friction Stir Weld Contract	0			**03OCT11**	*03OCT11*	17	**0.00**		0.00
1060	Generate Center Stack (CS) Assembly Procedure	0			**07OCT11**	*07OCT11**	454	**0.00**		0.00
1025	Award CS PFC Tiles	0			**13DEC11**	*13DEC11*	174	**0.00**		0.00
1050	Complete Machining Inner TF Conductors	0			**05MAR12**	*05MAR12*	17	**0.00**		0.00
1051	Deliver TF Quadrant Mold	0			**14FEB12**	*14FEB12*	183	**0.00**		0.00
1110	Award NB Rectangular Bellows Section	0			**11JUN12**	*11JUN12*	2	**0.00**		0.00
1130	Award Contract Inner Poloidal Field (PF) Coils	0			**11JUN12**	*11JUN12*	127	**0.00**		0.00
1052	Award CS Casing	0			**22JUN12**	*22JUN12*	148	**0.00**		0.00
1090	Award Neutral Beam (NB) Vessel Cap	0			**01OCT12**	*01OCT12*	102	**0.00**		0.00
1040	Award Ohmic Heating (OH) Conductor	0			**01OCT12**	*01OCT12*	83	**0.00**		0.00
1080	Complete 1st TF inner quadrant	0			**14NOV12**	*14NOV12*	17	**0.00**		0.00
1120	Complete Diagnostics Removals	0			**03DEC12**	*03DEC12*	189	**0.00**		0.00
1100	OH Conductor Delivered	0			**18JAN13**	*18JAN13*	83	**0.00**		0.00
1140	Lift Out Old Centerstack	0			**21JAN13**	*21JAN13*	235	**0.00**		0.00
1240	Deliver Inner Inner PF Coils	0			**22APR13**	*22APR13*	113	**0.00**		0.00
1190	Deliver NB Vessel Cap	0			**24JUN13**	*24JUN13*	102	**0.00**		0.00
1220	Begin Field Coil Power Conversion DC Sys Cable I	0			**30SEP13**	*30SEP13*	13	**0.00**		0.00
1170	Begin Final Assembly Of Centerstack	0			**30SEP13**	*30SEP13*	13	**0.00**		0.00
1250	Beam Box Moved and Internals Installed	0			**17JAN14**	*17JAN14*	8	**0.00**		0.00
1180	Deliver NB Rectangular Bellows Section	0			**27JAN14**	*27JAN14*	2	**0.00**		0.00
1310	Complete FCPC DC Systems Cable Installation	0			**03FEB14**	*03FEB14*	13	**0.00**		0.00
1270	Begin Re-Installation Of Diagnostics	0			**12FEB14**	*12FEB14*	1	**0.00**		0.00
1290	Reinstall New Pump Duct	0			**12FEB14**	*12FEB14*	91	**0.00**		0.00
1200	Complete Final Assembly Of Centerstack	0			**31MAR14**	*31MAR14*	13	**0.00**		0.00
1320	Re-Installation Of Diagnostics Complete	0			**29MAY14**	*29MAY14*	25	**0.00**		0.00
1260	Install New Umbrella	0			**03JUN14**	*03JUN14*	13	**0.00**		0.00
1300	Begin Machine Pump down	0			**16JUN14**	*16JUN14*	13	**0.00**		0.00
1280	Complete Refurbishment Of Sources	0			**01AUG14**	*01AUG14*	20	**0.00**		0.00
Job: 1000 - CSU Analytical Support-TITUS (LOE)										
1000-0002	Maintain Global model with updated design concep	21	**03MAY10A**	*03MAY10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1000-0003	Maintain updated 96 Scenarios	21	**03MAY10A**	*03MAY10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1000-0004	Generic Tile Qualification Program	21	**03MAY10A**	*03MAY10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1000-0005	Maintain Disruption Scenarios	21	**03MAY10A**	*03MAY10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00



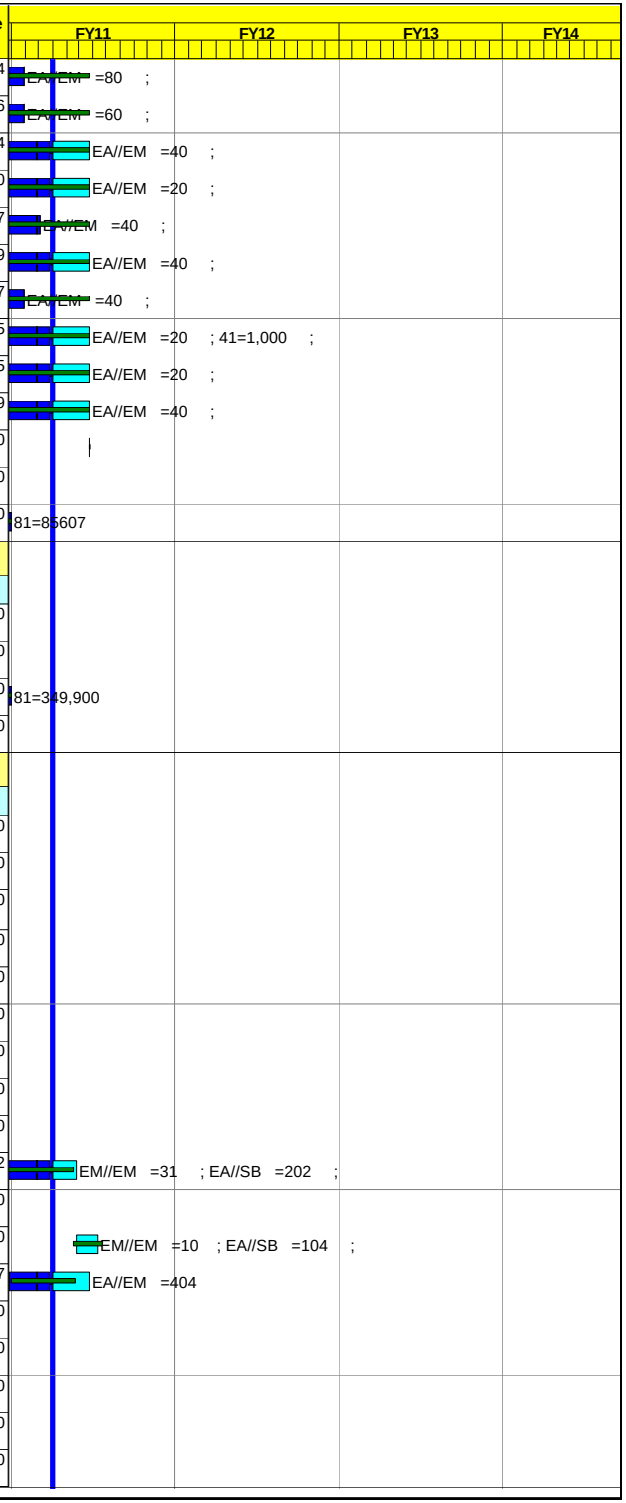
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1000-0006	Develop List of in-service Inspection Areas	21	**03MAY10A**	*03MAY10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1000-0007	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	21	**03MAY10A**	*03MAY10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1000-0008	Fault, FMEA evaluation and analyses	21	**03MAY10A**	*03MAY10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1000-0009	PDR Documentation	21	**02JUN10A**	*02JUN10A*	**30JUN10A**	*30JUN10A*		**0.00**	**100**	0.00
1000-0011	Maintain Global model with updated design concep	237*	**01JUL10A**	*01JUL10A*	**13JUN11**	*13JUN11*	2	**18,695.78**	**55**	10,282.68
1000-0012	Maintain updated 96 Scenarios	203*	**01JUL10A**	*01JUL10A*	**25APR11**	*25APR11*	36	**18,599.94**	**30**	5,579.98
1000-0013	Generic Tile Qualification Program	162*	**01JUL10A**	*01JUL10A*	**25FEB11**	*25FEB11*	77	**36,861.73**	**75**	27,646.30
1000-0015	Develop List of in-service Inspection Areas(LOE)	203*	**01JUL10A**	*01JUL10A*	**25APR11**	*25APR11*	36	**18,599.94**	**30**	5,579.98
1000-0016	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	162*	**01JUL10A**	*01JUL10A*	**25FEB11**	*25FEB11*	77	**18,430.86**	**40**	7,372.34
1000-0017	Fault, FMEA analyses (LOE)	162*	**01JUL10A**	*01JUL10A*	**25FEB11**	*25FEB11*	77	**18,430.86**	**20**	3,686.17
1000-0017A	CSU Analytical Support - Peer Review	0			**16MAY11***	*16MAY11**	2,328	**0.00**		0.00
1000-0018	FDR Prep/documention	21	**13MAY11**	*13MAY11*	**13JUN11**	*13JUN11*	2	**19,268.00**		0.00
1000-0019	CONDUCT FDR	20	**16MAY11**	*16MAY11*	**13JUN11***	*13JUN11**	2	**1,926.80**		0.00
1000-0022	Title 3 Analysis Support	819	**14JUN11**	*14JUN11*	**25SEP14**	*25SEP14*	1,490	**192,959.79**		0.00
FY101000	FY10 Actual Cost	85*	**04JAN10A**	*04JAN10A*	**30APR10A**	*30APR10A*		**33,760.00**	**100**	33,760.00
FY101000A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**6,931.00**	**100**	6,931.00
Job: 1001 - CS Plasma Facing Components-TRESEMER										
Design										
1001-0021	NDA, Export Control Issues	146*	**03MAY10A**	*03MAY10A*	**29NOV10**	*29OCT10A*		**7,342.02**	**100**	7,342.02
1001-0029	PDR Prep	36	**03MAY10A**	*03MAY10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1001-0030	CONDUCT PDR	2	**23JUN10A**	*23JUN10A*	**24JUN10A**	*24JUN10A*		**0.00**	**100**	0.00
1001-0031	Receipt of Material data	110*	**23JUN10A**	*23JUN10A*	**29NOV10**	*29OCT10A*		**296.49**	**100**	296.49
1001-0031A	Processing of Material data	5	**30NOV10**	*01NOV10A*	**06DEC10**	*05NOV10A*		**316.42**	**100**	316.42
1001-0032	Order Samples for testing (6 wks lead)	149*	**23JUN10A**	*23JUN10A*	**28FEB11**	*31JAN11*	60	**19,616.75**	**80**	15,693.40
1001-0034	PDR chit resolution	60*	**25JUN10A**	*25JUN10A*	**20SEP10A**	*20SEP10A*		**0.00**	**100**	0.00
1001-0035	Update WAF for Lehman Review (prep)	30	**25JUN10A**	*25JUN10A*	**06AUG10A**	*06AUG10A*		**0.00**	**100**	0.00
1001-0036	Generic Tile Qualitfication Program	61*	**25JUN10A**	*25JUN10A*	**21SEP10A**	*21SEP10A*		**0.00**	**100**	0.00
1001-0037	Lehman Review	2	**10AUG10A**	*10AUG10A*	**11AUG10A**	*11AUG10A*		**0.00**	**100**	0.00
1001-0038A	Fastener Mock-up	77*	**02SEP10A**	*02SEP10A*	**06DEC10**	*22DEC10A*		**45,436.17**	**100**	45,436.17
1001-0039	Disruption Forces - Final Tile Analysis	75*	**12AUG10A**	*12AUG10A*	**29NOV10**	*29OCT10A*		**21,008.28**	**100**	21,008.28
1001-0040	Thermal system - Final Tile Analysis	52*	**18OCT10***	*18OCT10A*	**30NOV10**	*07JAN11*	213	**26,630.60**	**90**	23,967.54
1001-0041	Fastener Scheme - Final Tile Analysis	44*	**14JAN11***	*16DEC10A*	**25FEB11**	*23FEB11*	213	**37,473.80**	**30**	11,242.14
1001-0043	Part re-design	20	**28FEB11**	*24FEB11*	**25MAR11**	*23MAR11*	213	**21,264.00**		0.00
1001-0044	Tile adjustments/Drawings	15	**28MAR11**	*24MAR11*	**15APR11**	*13APR11*	213	**10,885.28**		0.00
1001-0045	Fastener Prototype	45*	**25MAR11***	*08FEB11**	**27MAY11**	*11APR11*	215	**48,489.24**		0.00
1001-0046	Testing	20	**31MAY11**	*12APR11*	**27JUN11**	*09MAY11*	215	**16,651.50**		0.00
1001-0048	Mechanical - Material Testing	24*	**01MAR11***	*20DEC10A*	**28MAR11**	*28JAN11*	60	**20,132.30**	**10**	2,013.23
1001-0049	Thermal - Material Testing	19*	**01MAR11**	*20DEC10A*	**21MAR11**	*21JAN11*	60	**12,999.70**	**10**	1,299.97



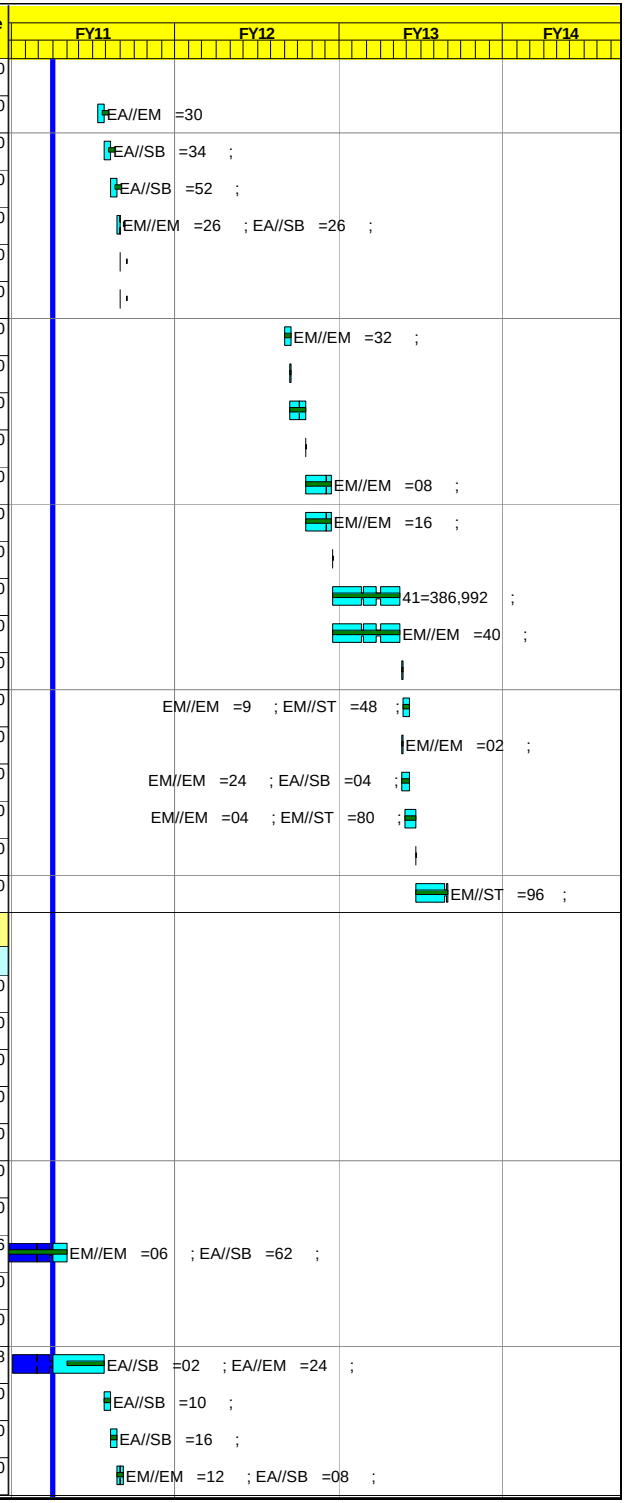
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1001-0050	Review Data - Material Testing	10	**22MAR11**	*24JAN11*	**04APR11**	*04FEB11*	60	**6,328.40**		0.00
1001-0053	Make Material Choices	10	**05APR11***	*07FEB11*	**18APR11**	*18FEB11*	60	**6,328.40**		0.00
1001-0054	Finalize Designs/Drawings	45	**28JUN11***	*10MAY11*	**30AUG11**	*13JUL11*	215	**50,628.64**		0.00
1001-0055	Drawings (Assem/Installation)	287*	**11OCT10***	*01NOV10A*	**21DEC11**	*23DEC11*	392	**194,749.87**	**5**	9,737.49
1001-0056	Prep Procurement Specs	15	**31AUG11**	*14JUL11*	**21SEP11**	*03AUG11*	215	**4,746.30**		0.00
1001-0056A	CS Plasma Facing Components Peer Review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
1001-0057	FDR Prep	20	**13MAY11***	*13MAY11**	**10JUN11**	*10JUN11*	1	**34,174.08**		0.00
1001-0058	CONDUCT FDR	2	**13JUN11**	*13JUN11*	**14JUN11**	*14JUN11*	1	**7,612.80**		0.00
Procure, Fab & Assembly										
1001-0062	Prep Req & Proc Package - Tiles (CFC)	9	**03OCT11***	*03OCT11**	**13OCT11**	*13OCT11*	174	**6,939.60**		0.00
1001-0063	Submit Req. to Procurement - Tiles (CFC)	2	**14OCT11**	*14OCT11*	**17OCT11**	*17OCT11*	174	**693.96**		0.00
1001-0064	Bid & Award (Procurement Lead Time - Tiles (CFC)	40	**18OCT11**	*18OCT11*	**14DEC11**	*14DEC11*	174	**5,551.68**		0.00
1001-0065	Award - Tiles (CFC)	1	**14DEC11***	*14DEC11**	**14DEC11**	*14DEC11*	174	**0.00**		0.00
1001-0066	Fabricate and Deliver - CFC Material	160	**15DEC11**	*15DEC11*	**06AUG12**	*06AUG12*	174	**432,818.40**		0.00
1001-0066B	Prep Req & Proc Package - Machine Tiles (CFC)	10	**04JUN12**	*04JUN12*	**15JUN12**	*15JUN12*	121	**6,049.80**		0.00
1001-0066C	Submit Req. to Procurement - Machine Tiles (CFC)	2	**31JUL12**	*31JUL12*	**01AUG12**	*01AUG12*	136	**693.96**		0.00
1001-0066D	Bid & Award (Proc Lead Time - Machine Tiles(CFC)	39	**02AUG12**	*02AUG12*	**26SEP12**	*26SEP12*	136	**5,551.68**		0.00
1001-0066E	Award - Machine Tiles (CFC)	2	**27SEP12**	*27SEP12*	**28SEP12**	*28SEP12*	136	**0.00**		0.00
1001-0066F	Fabricate/Machine tiles + diagnostics	85	**01OCT12***	*01OCT12**	**07FEB13**	*07FEB13*	136	**321,316.90**		0.00
1001-0069	Tile Bakeout	40	**08FEB13**	*08FEB13*	**04APR13**	*04APR13*	136	**66,000.00**		0.00
1001-0071	Prep Req & Proc Package - hardware, other materl	10	**18JUN12***	*18JUN12**	**29JUN12**	*29JUN12*	121	**6,049.80**		0.00
1001-0072	Submit Req. to Procurement - hardware, other mat	2	**02JUL12**	*02JUL12*	**03JUL12**	*03JUL12*	121	**693.96**		0.00
1001-0073	Procurement Lead Time - hardware, other material	40	**05JUL12**	*05JUL12*	**29AUG12**	*29AUG12*	121	**5,551.68**		0.00
1001-0074	Award - hardware, other materials	1	**30AUG12**	*30AUG12*	**30AUG12**	*30AUG12*	121	**0.00**		0.00
1001-0075	Fabricate and Deliver - hardware, other material	160	**31AUG12**	*31AUG12*	**25APR13**	*25APR13*	121	**282,951.30**		0.00
1001-0078	Fab/Assembly Procedures	30	**08JUL13**	*08JUL13*	**16AUG13**	*16AUG13*	13	**21,256.80**		0.00
1001-0079	Tile Assembly with Hardware	40	**01OCT13***	*01OCT13**	**25NOV13**	*25NOV13*	13	**40,312.48**		0.00
1001-0082	Installation Procedure	30	**19AUG13**	*19AUG13*	**30SEP13**	*30SEP13*	13	**21,256.80**		0.00
1001-0083	Tile Re-fit, as needed, additional machining	30	**01OCT13***	*01OCT13**	**11NOV13**	*11NOV13*	13	**34,887.20**		0.00
FY091001	FY09 Actual Cost	22	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**64,576.00**	**100**	64,576.00
FY101001	FY10 Actual Cost	100*	**01DEC09A**	*01DEC09A*	**30APR10A**	*30APR10A*		**103,885.00**	**100**	103,885.00
FY101001A	FY10 Actual Cost	130	**01APR10A**	*01APR10A*	**30SEP10A**	*30SEP10A*		**99,233.32**	**100**	99,233.32
FY101110	FY10 Actual Cost	85	**01OCT09A**	*01OCT09A*	**31JAN10A**	*31JAN10A*		**49,992.00**	**100**	49,992.00
Job: 1002 -Passive Plate Analysis &Upgrade-TITUS										
1000-0014	Maintain Disruption Scenarios (xfer from 1000)	162*	**01JUL10A**	*01JUL10A*	**25FEB11**	*25FEB11*	77	**18,430.86**	**40**	7,372.34
1002-0005	Check/Correct Vector Potential Solution	21	**03MAY10A**	*03MAY10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1002-0014	Disposition PDR Chits	144*	**02JUN10A**	*02JUN10A*	**03JAN11**	*02DEC10A*		**14,413.76**	**100**	14,413.76



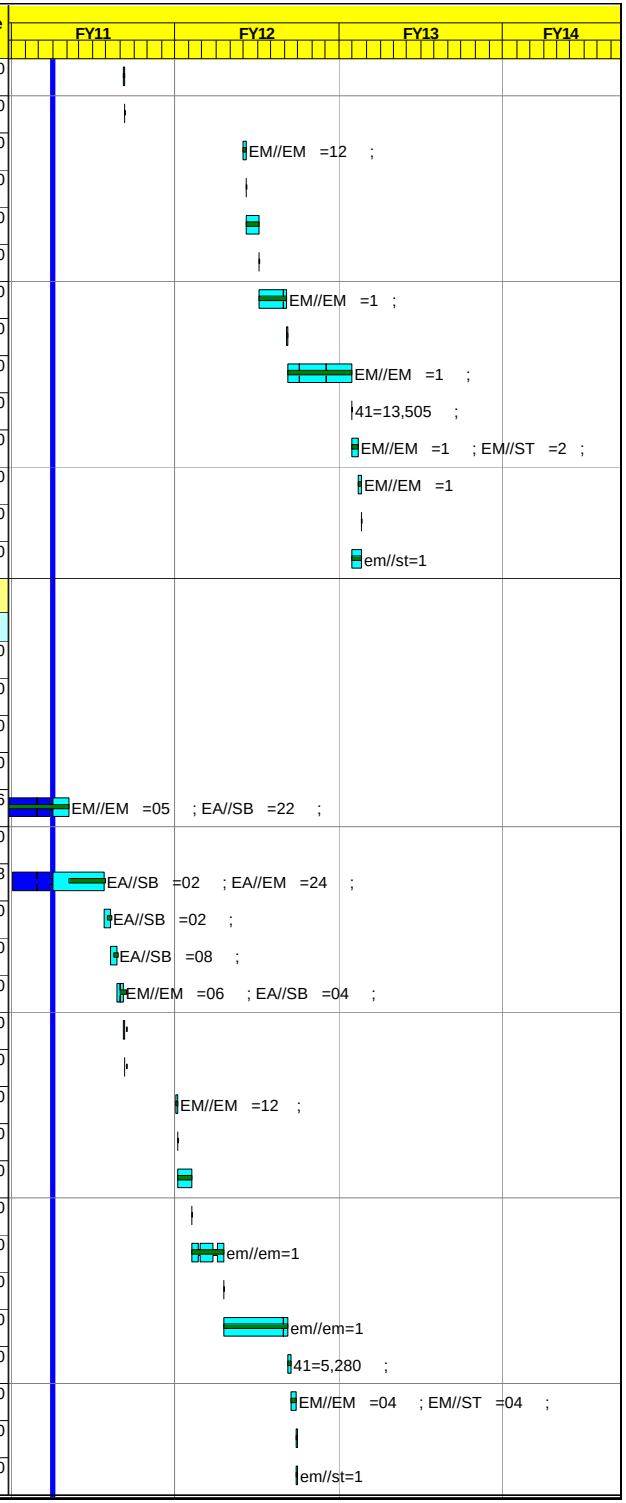
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1002-0015	Check/Correct Vector Potential Solution	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A		14,693.94	100	14,693.94
1002-0016	Run Disruption files based on lower background F	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A		11,020.46	100	11,020.46
1002-0017	Add Halo Loads	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	7,346.97	25	1,836.74
1002-0018	Complete Bolting and Bracket Evaluation	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	3,673.49	40	1,469.40
1002-0019	Monitor fiberoptic Disruption Instrumentation	200*	02JUN10A	02JUN10A	22MAR11	02DEC10A		7,346.97	100	7,346.97
1002-0020	Fatigue Assessment	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	7,346.97	20	1,469.39
1002-0021	Input to the DCPS	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A		7,346.97	100	7,346.97
1002-0025	Procure 100 718 bolts	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	4,899.49	10	489.95
1002-0029	Bracket re-work, in-house	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	3,673.49	10	367.35
1002-0030	Drawing Update (As Builts)	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	7,346.97	50	3,673.49
1002-0099	PP analysis complete for FDR	1	23MAR11*	23MAR11*	23MAR11	23MAR11	59	0.00		0.00
FY101002	FY10 Actual Cost	105	04JAN10A	04JAN10A	28MAY10A	28MAY10A		84,302.00	100	84,302.00
FY101002A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		59,078.00	100	59,078.00
Job: 1200 - Vacuum Vsl & Struct Support-SMITH										
FY091210	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		571,717.00	100	571,717.00
FY101200	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		370,213.00	100	370,213.00
FY101200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		360,410.00	100	360,410.00
FY101210	FY10 Actual Cost	150	01OCT09A	01OCT09A	28MAY10A	28MAY10A		207,020.00	100	207,020.00
Job: 1201 - Outer TF Structures-SMITH										
1201-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00
1201-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A		0.00	100	0.00
1201-0011	Mockups:outer link, real estate issues(# of it 4	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A		0.00	100	0.00
1201-0013	ME Analysis/CAD Model Iterations-Strss/EM/Thermal	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A		0.00	100	0.00
1201-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A		0.00	100	0.00
1201-0016	PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A		0.00	100	0.00
1201-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	61*	24JUN10A	24JUN10A	16AUG10A	16AUG10A		0.00	100	0.00
1201-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00
1201-0024	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00
1201-0028	Det Dsgn Eng, CAD/Analysis Iterations(34mod)	127*	17SEP10A	17AUG10A	16FEB11	22FEB11	10	29,890.46	90	26,901.42
1201-0029	Update Design Drawings	1	24JUN10A	24JUN10A	16AUG10A	16AUG10A		0.00	100	0.00
1201-0030	Design Drawings (13dw)	35	17FEB11	23FEB11	21APR11	12APR11	10	14,572.74		0.00
1201-0031	Final Design Analysis	120*	01OCT10	24SEP10A	21FEB11	22MAR11	25	77,842.72	54	42,035.07
1201-0031B	N/A Analysis: Ring, Bracket, Spring Link	57*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00
1201-0031C	N/A Analysis:Keep Clevis Bracket Load Stress Upd	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00
1201-0031D	N/A OTF Analysis: Fatique Assesment	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00
1201-0031E	N/A Analysis: Write. Check, File Calculations	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00
1201-0031F	N/A Analysis: DCOS Input	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00



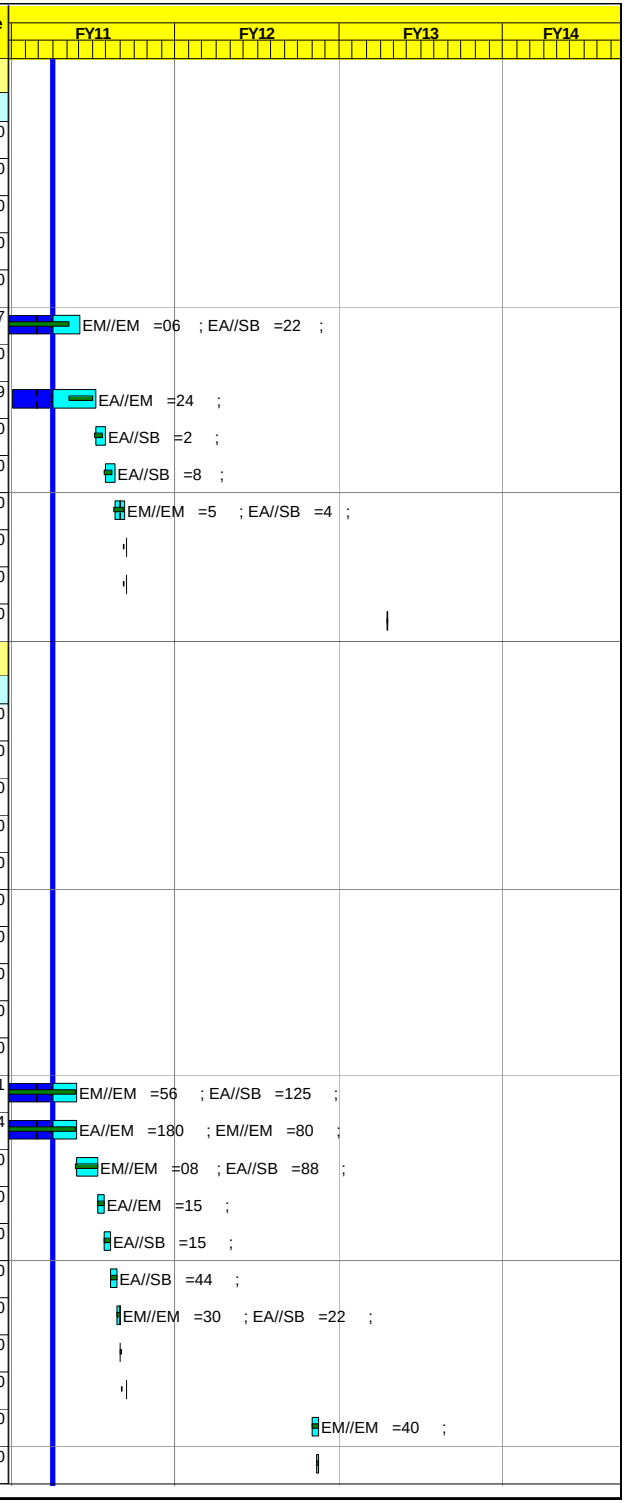
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1201-0031G	N/A Analysis: Insul Bond Shear/Copper Stress/CC	63*		16AUG10A	15AUG10A	16AUG10A		0.00	100	0.00
1201-0032	Validation of Design Complete	10	22APR11	13APR11	05MAY11	26APR11	10	5,780.40		0.00
1201-0033	Update CAD Models per Validation	10	06MAY11	27APR11	19MAY11	10MAY11	10	4,246.94		0.00
1201-0034	Revise Fabrication & Assembly Drawings per Valid	10	20MAY11	11MAY11	03JUN11	24MAY11	10	6,495.32		0.00
1201-0035	Review, Check Drawings	4	06JUN11	25MAY11	10JUN11	31MAY11	10	7,361.12		0.00
1201-0036	Drawings ready for FDR	1	13JUN11	01JUN11	13JUN11	01JUN11	10	0.00		0.00
1201-0038	FDR	1	14JUN11	01JUN11	14JUN11*	01JUN11*	10	0.00		0.00
1201-0042	Prep Req & Procurement Package	10	01JUN12*	01JUN12*	14JUN12	14JUN12	85	5,551.68		0.00
1201-0043	Submit Req to Procurement	1	14JUN12	14JUN12	14JUN12	14JUN12	85	0.00		0.00
1201-0044	Procurement Processing	22	14JUN12	14JUN12	16JUL12	16JUL12	85	0.00		0.00
1201-0045	Submit for Vendor Quotes	1	17JUL12	17JUL12	17JUL12	17JUL12	85	0.00		0.00
1201-0046	Eval Quotes	43	17JUL12	17JUL12	14SEP12	14SEP12	85	1,387.92		0.00
1201-0047	Tech Eval of Vendors	43	17JUL12	17JUL12	14SEP12	14SEP12	85	2,775.84		0.00
1201-0048	Award / Order Approved	1	17SEP12	17SEP12	17SEP12	17SEP12	85	0.00		0.00
1201-0048A	Fabricate Components - Outer TF Structure	100	18SEP12	18SEP12	15FEB13	15FEB13	85	509,784.56		0.00
1201-0049	Vendor Oversight	100	18SEP12	18SEP12	15FEB13	15FEB13	85	7,072.46		0.00
1201-0050	Receipt of Hardware	4	18FEB13	18FEB13	21FEB13	21FEB13	85	0.00		0.00
1201-0051	QA Inspection	10	22FEB13	22FEB13	07MAR13	07MAR13	95	6,926.10		0.00
1201-0052	Resolve Procurement Issues	5	18FEB13	18FEB13	22FEB13	22FEB13	85	354.28		0.00
1201-0053	Documentation: Assembly Procedures	15	18FEB13	18FEB13	08MAR13	08MAR13	94	4,810.80		0.00
1201-0054	Assembly of Components	20	25FEB13	25FEB13	22MAR13	22MAR13	85	9,594.96		0.00
1201-0055	Outer TF Structure Parts ready for installation	1	22MAR13	22MAR13	22MAR13	22MAR13	85	0.00		0.00
1201-0056	Handling / Warehouse / Storage	50	22MAR13	22MAR13	31MAY13	31MAY13	1,818	10,663.68		0.00
Job: 1202 - Outer PF2 Coil Structures-SMITH										
1202-0008	Input F/Analysis Group:Prelim Analysis of PF2	1	01JUL10A	01JUL10A	01JUL10A	01JUL10A		0.00	100	0.00
1202-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00
1202-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A		0.00	100	0.00
1202-0013	ME Analysis/CAD Model Iterations-Strss/EM/Thermal	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A		0.00	100	0.00
1202-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A		0.00	100	0.00
1202-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00
1202-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00
1202-0028	Update CAD & Design Drawings(10mod/4dwgs)	113*	16AUG10A	16AUG10A	01FEB11	01FEB11	3	8,487.17	90	7,638.46
1202-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00
1202-0031	Validate Analysis: Stress, EM, Thermal	130	24JUN10A	24JUN10A	31AUG10A	31AUG10A		0.00		0.00
1202-0032	Analysis & Validation of Design Complete	139*	02FEB11	04OCT10A	26APR11	26APR11	3	4,874.14	60	2,924.48
1202-0033	Update CAD Models per Validation	10	27APR11	27APR11	10MAY11	10MAY11	3	1,249.10		0.00
1202-0034	Revise Fabrication & Assembly Drawings per Valid	10	11MAY11	11MAY11	24MAY11	24MAY11	3	1,998.56		0.00
1202-0035	Review, Check Drawings	10	25MAY11	25MAY11	08JUN11	08JUN11	3	2,897.80		0.00



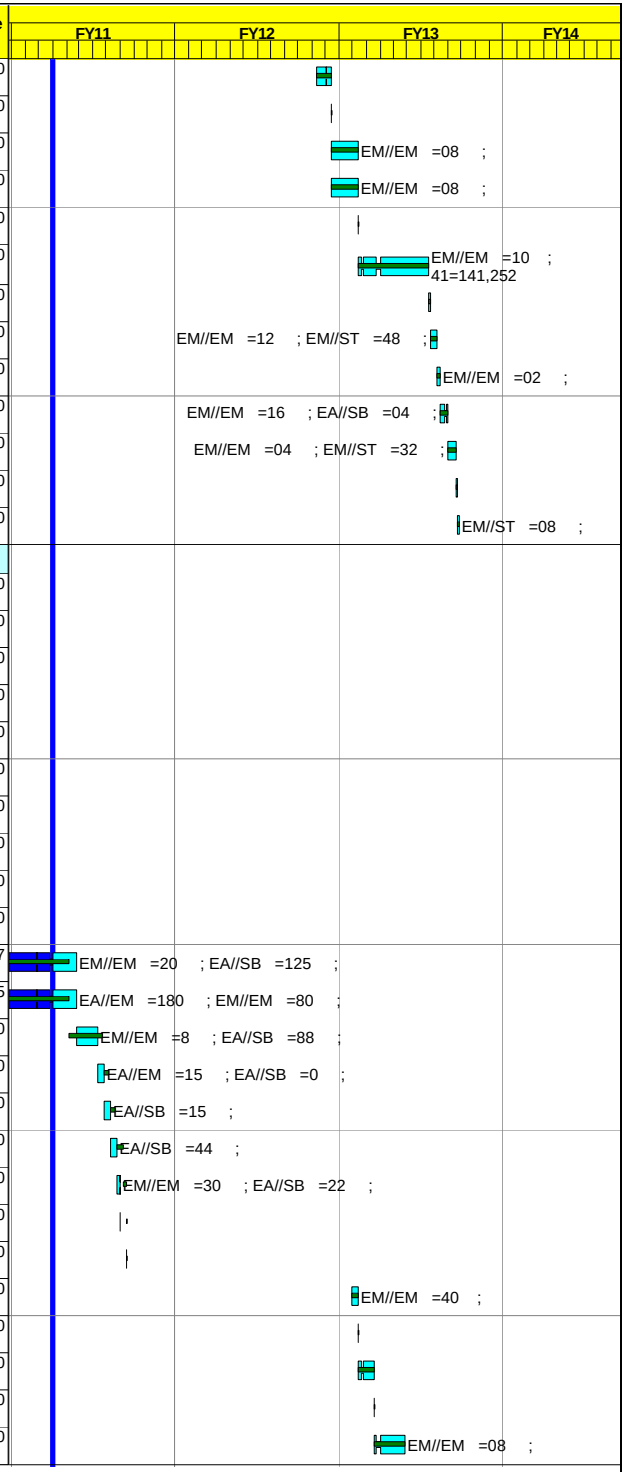
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1202-0036	Drawings ready for FDR	1	**09JUN11**	*09JUN11*	**09JUN11**	*09JUN11*	3	**0.00**		0.00
1202-0038	FDR	1	**10JUN11**	*10JUN11*	**10JUN11***	*10JUN11**	3	**0.00**		0.00
1202-0042	Prep Req & Procurement Package	5	**01MAR12***	*01MAR12**	**07MAR12**	*07MAR12*	53	**2,081.88**		0.00
1202-0043	Submit Req to Procurement	1	**07MAR12**	*07MAR12*	**07MAR12**	*07MAR12*	53	**0.00**		0.00
1202-0044	Procurement Processing	22	**07MAR12**	*07MAR12*	**05APR12**	*05APR12*	53	**0.00**		0.00
1202-0045	Submit for Vendor Quotes	1	**06APR12**	*06APR12*	**06APR12**	*06APR12*	53	**0.00**		0.00
1202-0046	Eval Quotes	43	**06APR12**	*06APR12*	**06JUN12**	*06JUN12*	53	**173.49**		0.00
1202-0048	Award / Order Approved	1	**07JUN12**	*07JUN12*	**07JUN12**	*07JUN12*	53	**0.00**		0.00
1202-0049	Vendor Oversight	100	**08JUN12**	*08JUN12*	**29OCT12**	*29OCT12*	53	**174.26**		0.00
1202-0050	Receipt of Hardware	1	**30OCT12**	*30OCT12*	**30OCT12**	*30OCT12*	53	**17,826.60**		0.00
1202-0051	QA Inspection	10	**30OCT12**	*30OCT12*	**12NOV12**	*12NOV12*	54	**399.30**		0.00
1202-0052	Resolve Procurement Issues	5	**13NOV12**	*13NOV12*	**19NOV12**	*19NOV12*	54	**177.14**		0.00
1202-0055	Parts ready for installation	1	**21NOV12**	*21NOV12*	**21NOV12**	*21NOV12*	53	**0.00**		0.00
1202-0056	Handling / Warehouse / Storage	16	**31OCT12**	*31OCT12*	**21NOV12**	*21NOV12*	53	**111.08**		0.00
Job: 1203 - PF3 Support.-SMITH										
1203-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	**03MAY10A**	*03MAY10A*	**16JUN10A**	*16JUN10A*		**0.00**	**100**	0.00
1203-0014	Analysis of Preliminary Design Approved	1	**16JUN10A**	*16JUN10A*	**16JUN10A**	*16JUN10A*		**0.00**	**100**	0.00
1203-0016	PDR	1	**23JUN10A**	*23JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
1203-0021	DOE CD-2 (Lehman) Review	1	**11AUG10A**	*11AUG10A*	**11AUG10A**	*11AUG10A*		**0.00**	**100**	0.00
1203-0029	Update CAD & Design Drawings (2mod/2dwgs)	115*	**17AUG10A**	*17AUG10A*	**04FEB11**	*04FEB11*	3	**3,456.74**	**90**	3,111.06
1203-0030	N/A Dsg Drawings Ready for Checking & Validation	1	**16AUG10A**	*16AUG10A*	**16AUG10A**	*16AUG10A*		**0.00**	**100**	0.00
1203-0032	Analysis & Validation of Design Complete	139*	**07FEB11**	*04OCT10A*	**29APR11**	*26APR11*	3	**4,874.14**	**60**	2,924.48
1203-0033	Update CAD Models per Validation	10	**02MAY11**	*27APR11*	**13MAY11**	*10MAY11*	3	**249.82**		0.00
1203-0034	Revise Fabrication & Assembly Drawings per Valid	10	**16MAY11**	*11MAY11*	**27MAY11**	*24MAY11*	3	**999.28**		0.00
1203-0035	Review, Check Drawings	10	**31MAY11**	*25MAY11*	**13JUN11**	*08JUN11*	3	**1,448.90**		0.00
1203-0036	Drawings ready for FDR	1	**14JUN11**	*09JUN11*	**14JUN11**	*09JUN11*	3	**0.00**		0.00
1203-0038	FDR	1	**15JUN11***	*10JUN11**	**15JUN11**	*10JUN11*	3	**0.00**		0.00
1203-0042	Prep Req & Procurement Package:inconel Bolts	5	**03OCT11***	*03OCT11**	**07OCT11**	*07OCT11*	172	**2,081.88**		0.00
1203-0043	Submit Req to Procurement	1	**07OCT11**	*07OCT11*	**07OCT11**	*07OCT11*	172	**0.00**		0.00
1203-0044	Procurement Processing	22	**07OCT11**	*07OCT11*	**07NOV11**	*07NOV11*	172	**0.00**		0.00
1203-0045	Submit for Vendor Quotes	1	**08NOV11**	*08NOV11*	**08NOV11**	*08NOV11*	172	**0.00**		0.00
1203-0046	Eval Quotes	43	**08NOV11**	*08NOV11*	**17JAN12**	*17JAN12*	172	**173.49**		0.00
1203-0048	Award / Order Approved	1	**18JAN12**	*18JAN12*	**18JAN12**	*18JAN12*	172	**0.00**		0.00
1203-0049	Vendor Oversight	100	**19JAN12**	*19JAN12*	**07JUN12**	*07JUN12*	172	**173.49**		0.00
1203-0050	Receipt of Hardware	5	**08JUN12**	*08JUN12*	**14JUN12**	*14JUN12*	172	**6,811.20**		0.00
1203-0051	QA Inspection	10	**15JUN12**	*15JUN12*	**28JUN12**	*28JUN12*	172	**1,129.12**		0.00
1203-0055	Parts ready for installation	1	**29JUN12**	*29JUN12*	**29JUN12**	*29JUN12*	172	**0.00**		0.00
1203-0056	Handling / Warehouse / Storage	1	**29JUN12**	*29JUN12*	**29JUN12**	*29JUN12*	172	**108.79**		0.00



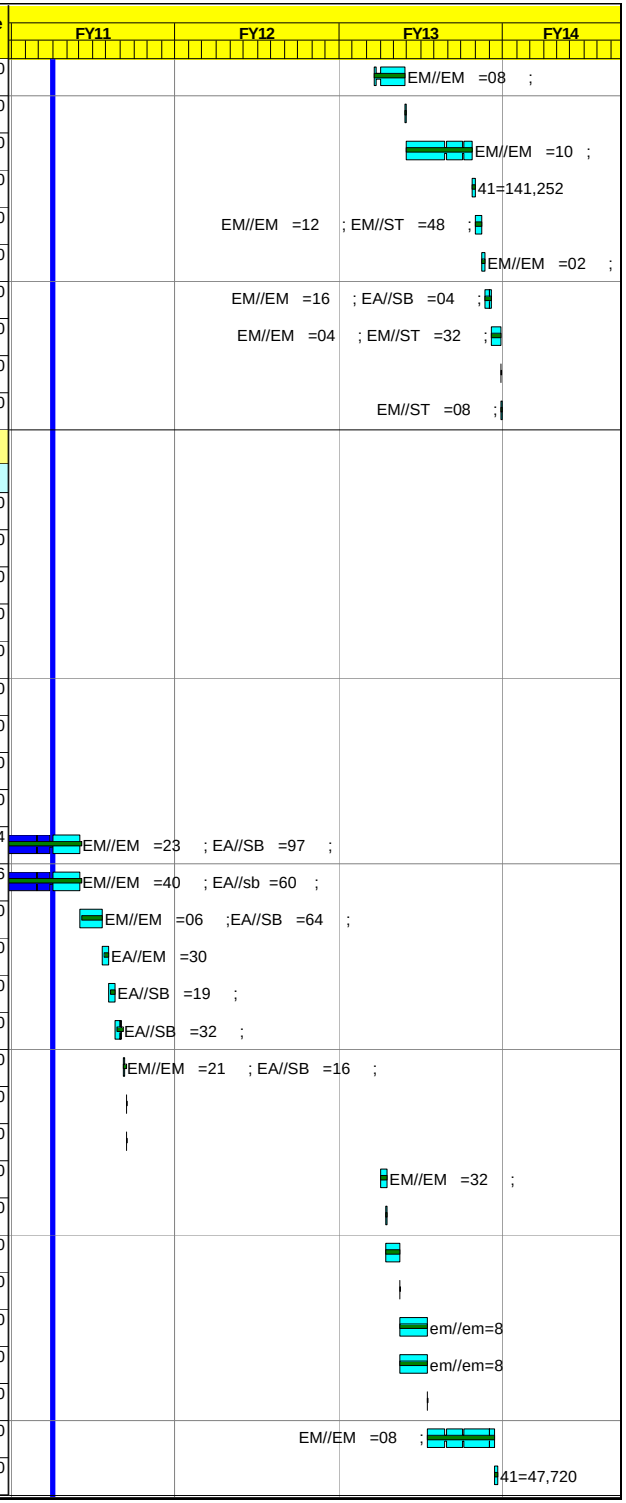
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
Job: 1204 - PF4/5 Leads & Radial Supports-SMITH										
1204-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	10	**18MAY10A**	*18MAY10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1204-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	**19MAY10A**	*19MAY10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1204-0014	Analysis of Preliminary Design Approved	1	**22JUN10A**	*22JUN10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1204-0016	PDR	1	**23JUN10A**	*23JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
1204-0021	DOE CD-2 (Lehman) Review	1	**10AUG10A**	*10AUG10A*	**10AUG10A**	*10AUG10A*		**0.00**	**100**	0.00
1204-0028	Update CAD & Design Drawings(2mod/2dwg)	132*	**17AUG10A**	*17AUG10A*	**04FEB11**	*01MAR11*	1	**3,610.59**	**80**	2,888.47
1204-0030	N/A Dsg Drawings Ready for Checking & Validation	1	**16AUG10A**	*16AUG10A*	**16AUG10A**	*16AUG10A*		**0.00**	**100**	0.00
1204-0032	Analysis & Validation of Design Complete	126*	**07FEB11**	*04OCT10A*	**01APR11**	*07APR11*	1	**4,624.32**	**60**	2,774.59
1204-0033	Update CAD Models per Validation	15	**04APR11**	*08APR11*	**22APR11**	*28APR11*	1	**249.82**		0.00
1204-0034	Revise Fabrication & Assembly Drawings per Valid	15	**25APR11**	*29APR11*	**13MAY11**	*19MAY11*	1	**999.28**		0.00
1204-0035	Review, Check Drawings	15	**16MAY11**	*20MAY11*	**06JUN11**	*10JUN11*	1	**1,290.69**		0.00
1204-0036	Drawings ready for FDR	1	**07JUN11**	*13JUN11*	**07JUN11**	*13JUN11*	1	**0.00**		0.00
1204-0038	FDR	1	**08JUN11***	*14JUN11**	**08JUN11**	*14JUN11*	1	**0.00**		0.00
1204-0039	NOTE: Only visco mtl (shim) rqrd. incl in 1208	0	**16JAN13**	*16JAN13*	**15JAN13**	*15JAN13*	53	**0.00**		0.00
Job: 1205 - Umbrella-SMITH										
Lower Umbrella										
1205-0008	Input F/Analysis Group:Interface Detail to CS	1	**01JUN10A**	*01JUN10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1205-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	**03MAY10A**	*03MAY10A*	**14JUN10A**	*14JUN10A*		**0.00**	**100**	0.00
1205-0010	Complete Preliminary CAD Models	10	**09JUN10A**	*09JUN10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1205-0011	Mockups:CS Struct Real Estate Issues	66	**03MAY10A**	*03MAY10A*	**04AUG10A**	*04AUG10A*		**0.00**	**100**	0.00
1205-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	**03MAY10A**	*03MAY10A*	**16JUN10A**	*16JUN10A*		**0.00**	**100**	0.00
1205-0014	Analysis of Preliminary Design Approved	1	**16JUN10A**	*16JUN10A*	**16JUN10A**	*16JUN10A*		**0.00**	**100**	0.00
1205-0016	PDR	1	**24JUN10A**	*24JUN10A*	**24JUN10A**	*24JUN10A*		**0.00**	**100**	0.00
1205-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	**24JUN10A**	*24JUN10A*	**17AUG10A**	*17AUG10A*		**0.00**	**100**	0.00
1205-0021	DOE CD-2 (Lehman) Review	1	**11AUG10A**	*11AUG10A*	**11AUG10A**	*11AUG10A*		**0.00**	**100**	0.00
1205-0024	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	**18AUG10A**	*18AUG10A*	**18AUG10A**	*18AUG10A*		**0.00**	**100**	0.00
1205-0028	Det Dsgn Eng, CAD/Analysis Iterations(15mod)	127*	**03SEP10A**	*17AUG10A*	**18FEB11**	*22FEB11*	9	**24,115.02**	**80**	19,292.01
1205-0029	Final design Analysis	128*	**03SEP10A**	*16AUG10A*	**18FEB11**	*22FEB11*	9	**46,479.62**	**70**	32,535.74
1205-0030	Design Drawings (11dwgs)	35	**21FEB11**	*23FEB11*	**12APR11**	*12APR11*	9	**12,257.76**		0.00
1205-0032	Validation of Design Complete	10	**13APR11**	*13APR11*	**26APR11**	*26APR11*	9	**2,890.20**		0.00
1205-0033	Update CAD Models per Validation	10	**27APR11**	*27APR11*	**10MAY11**	*10MAY11*	9	**1,873.65**		0.00
1205-0034	Revise Fabrication & Assembly Drawings per Valid	10	**11MAY11**	*11MAY11*	**24MAY11**	*24MAY11*	9	**5,496.04**		0.00
1205-0035	Review, Check Drawings	4	**25MAY11**	*25MAY11*	**01JUN11**	*31MAY11*	9	**7,494.32**		0.00
1205-0036	Drawings ready for FDR	1	**02JUN11**	*01JUN11*	**02JUN11**	*01JUN11*	9	**0.00**		0.00
1205-0038	FDR	1	**03JUN11***	*15JUN11**	**03JUN11**	*15JUN11*	0	**0.00**		0.00
1205-0042	Prep Req & Procurement Package	10	**01AUG12***	*01AUG12**	**14AUG12**	*14AUG12*	57	**6,939.60**		0.00
1205-0043	Submit Req to Procurement	1	**14AUG12**	*14AUG12*	**14AUG12**	*14AUG12*	57	**0.00**		0.00



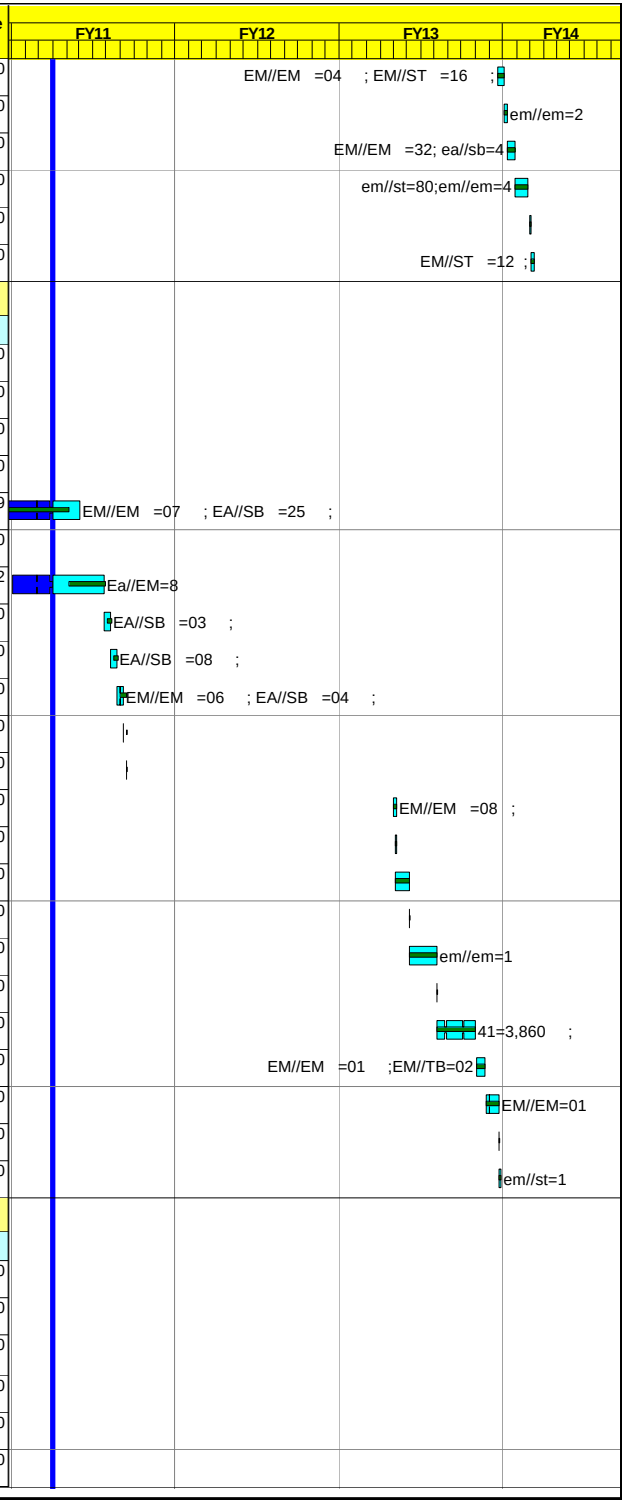
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1205-0044	Procurement Processing	22	**14AUG12**	*14AUG12*	**13SEP12**	*13SEP12*	57	**0.00**		0.00
1205-0045	Submit for Vendor Quotes	1	**14SEP12**	*14SEP12*	**14SEP12**	*14SEP12*	57	**0.00**		0.00
1205-0046	Eval Quotes	43	**14SEP12**	*14SEP12*	**13NOV12**	*13NOV12*	57	**1,409.65**		0.00
1205-0047	Tech Eval of Vendors	43	**14SEP12**	*14SEP12*	**13NOV12**	*13NOV12*	57	**1,409.65**		0.00
1205-0048	Award / Order Approved	1	**14NOV12**	*14NOV12*	**14NOV12**	*14NOV12*	57	**0.00**		0.00
1205-0049	Fab & Deliver incl Vendor Oversight	102	**15NOV12**	*15NOV12*	**18APR13**	*18APR13*	57	**188,224.04**		0.00
1205-0050	Receipt of Hardware	4	**19APR13**	*19APR13*	**24APR13**	*24APR13*	57	**0.00**		0.00
1205-0051	QA Inspection	10	**25APR13**	*25APR13*	**08MAY13**	*08MAY13*	57	**7,457.52**		0.00
1205-0052	Resolve Procurement Issues	5	**09MAY13**	*09MAY13*	**15MAY13**	*15MAY13*	57	**354.28**		0.00
1205-0053	Documentation: Assembly Procedures	10	**16MAY13**	*16MAY13*	**30MAY13**	*30MAY13*	57	**3,393.68**		0.00
1205-0054	Assembly of Components	15	**31MAY13**	*31MAY13*	**20JUN13**	*20JUN13*	57	**4,263.12**		0.00
1205-0055	Parts ready for installation	1	**21JUN13**	*21JUN13*	**21JUN13**	*21JUN13*	57	**0.00**		0.00
1205-0056	Handling / Warehouse / Storage	3	**24JUN13**	*24JUN13*	**26JUN13**	*26JUN13*	195	**888.64**		0.00
Upper Umbrella										
1205-0066	Input F/Analysis Group:Interface Detail to CS	1	**01JUN10A**	*01JUN10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1205-0067	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	**03MAY10A**	*03MAY10A*	**14JUN10A**	*14JUN10A*		**0.00**	**100**	0.00
1205-0068	Complete Preliminary CAD Models	10	**09JUN10A**	*09JUN10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1205-0069	Mockups:CS Struct Real Estate Issues	66	**03MAY10A**	*03MAY10A*	**04AUG10A**	*04AUG10A*		**0.00**	**100**	0.00
1205-0071	ME Analysis/CAD Model Iterations-Strss/EM/Thermal	32	**03MAY10A**	*03MAY10A*	**16JUN10A**	*16JUN10A*		**0.00**	**100**	0.00
1205-0072	Analysis of Preliminary Design Approved	1	**16JUN10A**	*16JUN10A*	**16JUN10A**	*16JUN10A*		**0.00**	**100**	0.00
1205-0074	PDR	1	**24JUN10A**	*24JUN10A*	**24JUN10A**	*24JUN10A*		**0.00**	**100**	0.00
1205-0076	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	**24JUN10A**	*24JUN10A*	**17AUG10A**	*17AUG10A*		**0.00**	**100**	0.00
1205-0079	DOE CD-2 (Lehman) Review	1	**11AUG10A**	*11AUG10A*	**11AUG10A**	*11AUG10A*		**0.00**	**100**	0.00
1205-0081	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	**18AUG10A**	*18AUG10A*	**18AUG10A**	*18AUG10A*		**0.00**	**100**	0.00
1205-0086	Final Dsgn Eng Iterations, DetailCAD (15mod)	127*	**03SEP10A**	*17AUG10A*	**04FEB11**	*22FEB11*	9	**18,489.33**	**80**	14,791.47
1205-0087	Final Design Analysis	127*	**03SEP10A**	*17AUG10A*	**04FEB11**	*22FEB11*	9	**46,395.35**	**70**	32,476.75
1205-0088	Design Drawings (11dwgs)	35	**07FEB11**	*23FEB11*	**22APR11**	*12APR11*	9	**12,257.76**		0.00
1205-0090	Validation of Design Complete	10	**25APR11**	*13APR11*	**06MAY11**	*26APR11*	9	**2,890.20**		0.00
1205-0091	Update CAD Models per Validation	10	**09MAY11**	*27APR11*	**20MAY11**	*10MAY11*	9	**1,873.65**		0.00
1205-0092	Revise Fabrication & Assembly Drawings per Valid	10	**23MAY11**	*11MAY11*	**06JUN11**	*24MAY11*	9	**5,496.04**		0.00
1205-0093	Review, Check Drawings	4	**07JUN11**	*25MAY11*	**13JUN11**	*31MAY11*	9	**7,494.32**		0.00
1205-0094	Drawings ready for FDR	1	**14JUN11**	*01JUN11*	**14JUN11**	*01JUN11*	9	**0.00**		0.00
1205-0096	FDR	1	**15JUN11***	*15JUN11**	**15JUN11**	*15JUN11*	0	**0.00**		0.00
1205-0100	Prep Req & Procurement Package	10	**01NOV12***	*01NOV12**	**14NOV12**	*14NOV12*	90	**7,085.60**		0.00
1205-0101	Submit Req to Procurement	1	**14NOV12**	*14NOV12*	**14NOV12**	*14NOV12*	90	**0.00**		0.00
1205-0102	Procurement Processing	22	**14NOV12**	*14NOV12*	**17DEC12**	*17DEC12*	90	**0.00**		0.00
1205-0103	Submit for Vendor Quotes	1	**18DEC12**	*18DEC12*	**18DEC12**	*18DEC12*	90	**0.00**		0.00
1205-0104	Eval Quotes	43	**18DEC12**	*18DEC12*	**25FEB13**	*25FEB13*	90	**1,417.12**		0.00



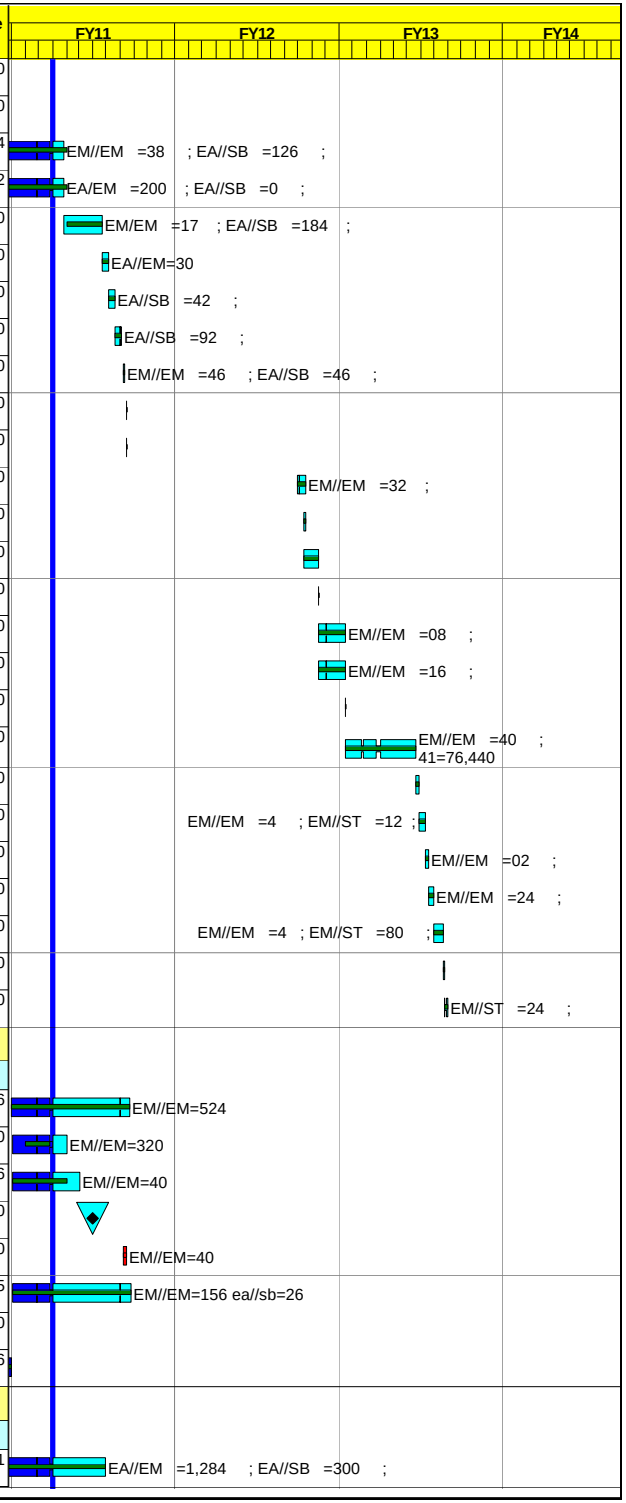
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1205-0105	Tech Eval of Vendors	43	**18DEC12**	*18DEC12*	**25FEB13**	*25FEB13*	90	**1,417.12**		0.00
1205-0106	Award / Order Approved	1	**26FEB13**	*26FEB13*	**26FEB13**	*26FEB13*	90	**0.00**		0.00
1205-0107	Vendor Oversight	102	**27FEB13**	*27FEB13*	**23JUL13**	*23JUL13*	90	**7,085.60**		0.00
1205-0108	Receipt of Hardware	5	**24JUL13**	*24JUL13*	**30JUL13**	*30JUL13*	90	**186,452.64**		0.00
1205-0109	QA Inspection	10	**31JUL13**	*31JUL13*	**13AUG13**	*13AUG13*	90	**7,457.52**		0.00
1205-0110	Resolve Procurement Issues	5	**14AUG13**	*14AUG13*	**20AUG13**	*20AUG13*	90	**354.28**		0.00
1205-0111	Documentation: Assembly Procedures	10	**21AUG13**	*21AUG13*	**04SEP13**	*04SEP13*	90	**3,393.68**		0.00
1205-0112	Assembly of Components	15	**05SEP13**	*05SEP13*	**25SEP13**	*25SEP13*	90	**4,263.12**		0.00
1205-0113	Parts ready for installation	1	**26SEP13**	*26SEP13*	**26SEP13**	*26SEP13*	90	**0.00**		0.00
1205-0114	Handling / Warehouse / Storage	3	**27SEP13**	*27SEP13*	**01OCT13**	*01OCT13*	133	**898.67**		0.00
Job: 1206 - Pedestal -SMITH										
1206-0008	Input F/Analysis Group:Interface Detail to CS	1	**01JUN10A**	*01JUN10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1206-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	10	**18MAY10A**	*18MAY10A*	**01JUN10A**	*01JUN10A*		**0.00**	**100**	0.00
1206-0010	Complete Preliminary CAD Models	10	**01JUN10A**	*01JUN10A*	**14JUN10A**	*14JUN10A*		**0.00**	**100**	0.00
1206-0013	ME Analysis/CAD Model Iterations-Strss/EM/Thermal	24	**19MAY10A**	*19MAY10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1206-0014	Analysis of Preliminary Design Approved	1	**22JUN10A**	*22JUN10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1206-0016	PDR	1	**23JUN10A**	*23JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
1206-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	**24JUN10A**	*24JUN10A*	**17AUG10A**	*17AUG10A*		**0.00**	**100**	0.00
1206-0021	DOE CD-2 (Lehman) Review	1	**10AUG10A**	*10AUG10A*	**10AUG10A**	*10AUG10A*		**0.00**	**100**	0.00
1206-0023	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	**18AUG10A**	*18AUG10A*	**18AUG10A**	*18AUG10A*		**0.00**	**100**	0.00
1206-0028	Final Dsgn Eng Iteration, Detl CAD Model (19mod)	134*	**17AUG10A**	*17AUG10A*	**04MAR11**	*03MAR11*	1	**15,442.32**	**75**	11,581.74
1206-0029	Final Design Analysis	134*	**17AUG10A**	*17AUG10A*	**04MAR11**	*03MAR11*	1	**13,533.86**	**30**	4,060.16
1206-0030	Design Drawings (8dwg)	35	**07MAR11**	*04MAR11*	**22APR11**	*21APR11*	1	**8,943.50**		0.00
1206-0032	Validation of Design Complete	10	**25APR11**	*22APR11*	**06MAY11**	*05MAY11*	1	**5,780.40**		0.00
1206-0033	Update CAD Models per Validation	10	**09MAY11**	*06MAY11*	**20MAY11**	*19MAY11*	1	**2,373.29**		0.00
1206-0034	Revise Fabrication & Assembly Drawings per Valid	10	**23MAY11**	*20MAY11*	**06JUN11**	*03JUN11*	1	**3,997.12**		0.00
1206-0035	Review, Check, Drawings	5	**07JUN11**	*06JUN11*	**13JUN11**	*10JUN11*	1	**5,320.97**		0.00
1206-0036	Drawings ready for FDR	1	**14JUN11**	*13JUN11*	**14JUN11**	*13JUN11*	1	**0.00**		0.00
1206-0038	FDR	1	**15JUN11***	*15JUN11**	**15JUN11**	*15JUN11*	0	**0.00**		0.00
1206-0042	Prep Req & Procurement Package	10	**02JAN13***	*02JAN13**	**15JAN13**	*15JAN13*	76	**5,668.48**		0.00
1206-0043	Submit Req to Procurement	1	**15JAN13**	*15JAN13*	**15JAN13**	*15JAN13*	76	**0.00**		0.00
1206-0044	Procurement Processing	22	**15JAN13**	*15JAN13*	**13FEB13**	*13FEB13*	76	**0.00**		0.00
1206-0045	Submit for Vendor Quotes	1	**14FEB13**	*14FEB13*	**14FEB13**	*14FEB13*	76	**0.00**		0.00
1206-0046	Eval Quotes	43	**14FEB13**	*14FEB13*	**15APR13**	*15APR13*	76	**1,417.12**		0.00
1206-0047	Tech Eval of Vendors	43	**14FEB13**	*14FEB13*	**15APR13**	*15APR13*	76	**1,417.12**		0.00
1206-0048	Award / Order Approved	1	**16APR13**	*16APR13*	**16APR13**	*16APR13*	76	**0.00**		0.00
1206-0049	Vendor Oversight	102	**17APR13**	*17APR13*	**11SEP13**	*11SEP13*	76	**1,417.12**		0.00
1206-0050	Receipt of Hardware	5	**12SEP13**	*12SEP13*	**18SEP13**	*18SEP13*	76	**62,990.40**		0.00



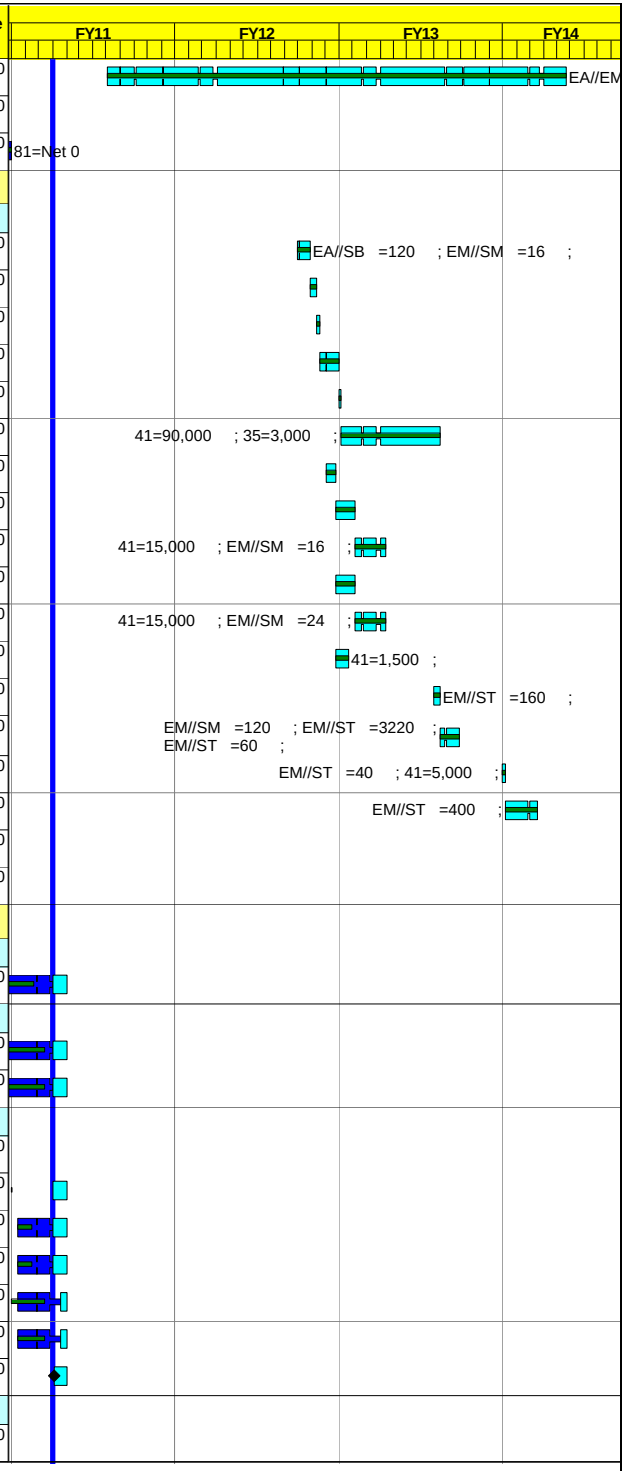
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1206-0051	QA Inspection	10	**19SEP13**	*19SEP13*	**02OCT13**	*02OCT13*	76	**2,502.67**		0.00
1206-0052	Resolve Procurement Issues	5	**03OCT13**	*03OCT13*	**09OCT13**	*09OCT13*	76	**366.28**		0.00
1206-0053	Documentation: Assembly Procedures	15	**10OCT13**	*10OCT13*	**30OCT13**	*30OCT13*	76	**6,438.88**		0.00
1206-0054	Assembly of Components	20	**31OCT13**	*31OCT13*	**27NOV13**	*27NOV13*	76	**9,919.76**		0.00
1206-0055	Parts ready for installation	1	**02DEC13**	*02DEC13*	**02DEC13**	*02DEC13*	76	**0.00**		0.00
1206-0057	Handling / Warehouse / Storage	5	**03DEC13**	*03DEC13*	**09DEC13**	*09DEC13*	76	**1,378.08**		0.00
Job: 1207 - Vessel Legs -SMITH										
1207-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	**19MAY10A**	*19MAY10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1207-0014	Analysis of Preliminary Design Approved	1	**22JUN10A**	*22JUN10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1207-0016	PDR	1	**23JUN10A**	*23JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
1207-0021	DOE CD-2 (Lehman) Review	1	**10AUG10A**	*10AUG10A*	**10AUG10A**	*10AUG10A*		**0.00**	**100**	0.00
1207-0028	Updt CAD & Dsgn Dwgs, (3 CAD/2dwg	132*	**17AUG10A**	*17AUG10A*	**04FEB11**	*01MAR11*	4	**4,130.92**	**75**	3,098.19
1207-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	**16AUG10A**	*16AUG10A*	**16AUG10A**	*16AUG10A*		**0.00**	**100**	0.00
1207-0032	Analysis & Validation of Design Complete	138*	**07FEB11**	*04OCT10A*	**29APR11**	*25APR11*	4	**1,541.44**	**50**	770.72
1207-0033	Update CAD Models per Validation	10	**02MAY11**	*26APR11*	**13MAY11**	*09MAY11*	4	**374.73**		0.00
1207-0034	Revise Fabrication & Assembly Drawings per Valid	10	**16MAY11**	*10MAY11*	**27MAY11**	*23MAY11*	4	**999.28**		0.00
1207-0035	Review, Check Drawings	10	**31MAY11**	*24MAY11*	**13JUN11**	*07JUN11*	4	**1,448.90**		0.00
1207-0036	Drawings ready for FDR	1	**14JUN11**	*08JUN11*	**14JUN11**	*08JUN11*	4	**0.00**		0.00
1207-0038	FDR	1	**15JUN11***	*15JUN11**	**15JUN11**	*15JUN11*	0	**0.00**		0.00
1207-0042	Prep Req & Procurement Package	3	**01FEB13***	*01FEB13**	**05FEB13**	*05FEB13*	132	**3,188.52**		0.00
1207-0043	Submit Req to Procurement	1	**05FEB13**	*05FEB13*	**05FEB13**	*05FEB13*	132	**0.00**		0.00
1207-0044	Procurement Processing	22	**05FEB13**	*05FEB13*	**06MAR13**	*06MAR13*	132	**0.00**		0.00
1207-0045	Submit for Vendor Quotes	1	**07MAR13**	*07MAR13*	**07MAR13**	*07MAR13*	132	**0.00**		0.00
1207-0046	Eval Quotes	43	**07MAR13**	*07MAR13*	**06MAY13**	*06MAY13*	132	**177.14**		0.00
1207-0048	Award / Order Approved	1	**07MAY13**	*07MAY13*	**07MAY13**	*07MAY13*	132	**0.00**		0.00
1207-0050	Receipt of Hardware	60	**08MAY13**	*08MAY13*	**02AUG13**	*02AUG13*	132	**5,095.20**		0.00
1207-0051	QA Inspection	15	**05AUG13**	*05AUG13*	**23AUG13**	*23AUG13*	132	**177.14**		0.00
1207-0052	Resolve Procurement Issues	20	**26AUG13**	*26AUG13*	**23SEP13**	*23SEP13*	132	**0.00**		0.00
1207-0055	Parts ready for installation	1	**24SEP13**	*24SEP13*	**24SEP13**	*24SEP13*	132	**0.00**		0.00
1207-0056	Handling warehouse storage	1	**25SEP13**	*25SEP13*	**25SEP13**	*25SEP13*	132	**111.08**		0.00
Job: 1208 - PF4&5 Verticle Support-SMITH										
1208-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	20	**03MAY10A**	*03MAY10A*	**28MAY10A**	*28MAY10A*		**0.00**	**100**	0.00
1208-0010	Complete Preliminary CAD Models	5	**02JUN10A**	*02JUN10A*	**08JUN10A**	*08JUN10A*		**0.00**	**100**	0.00
1208-0011	Mockups:PF4/5 Vert Supp Struct Real Estate Issue	66	**03MAY10A**	*03MAY10A*	**04AUG10A**	*04AUG10A*		**0.00**	**100**	0.00
1208-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	**19MAY10A**	*19MAY10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1208-0014	Analysis of Preliminary Design Approved	1	**22JUN10A**	*22JUN10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
1208-0016	PDR	1	**23JUN10A**	*23JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00



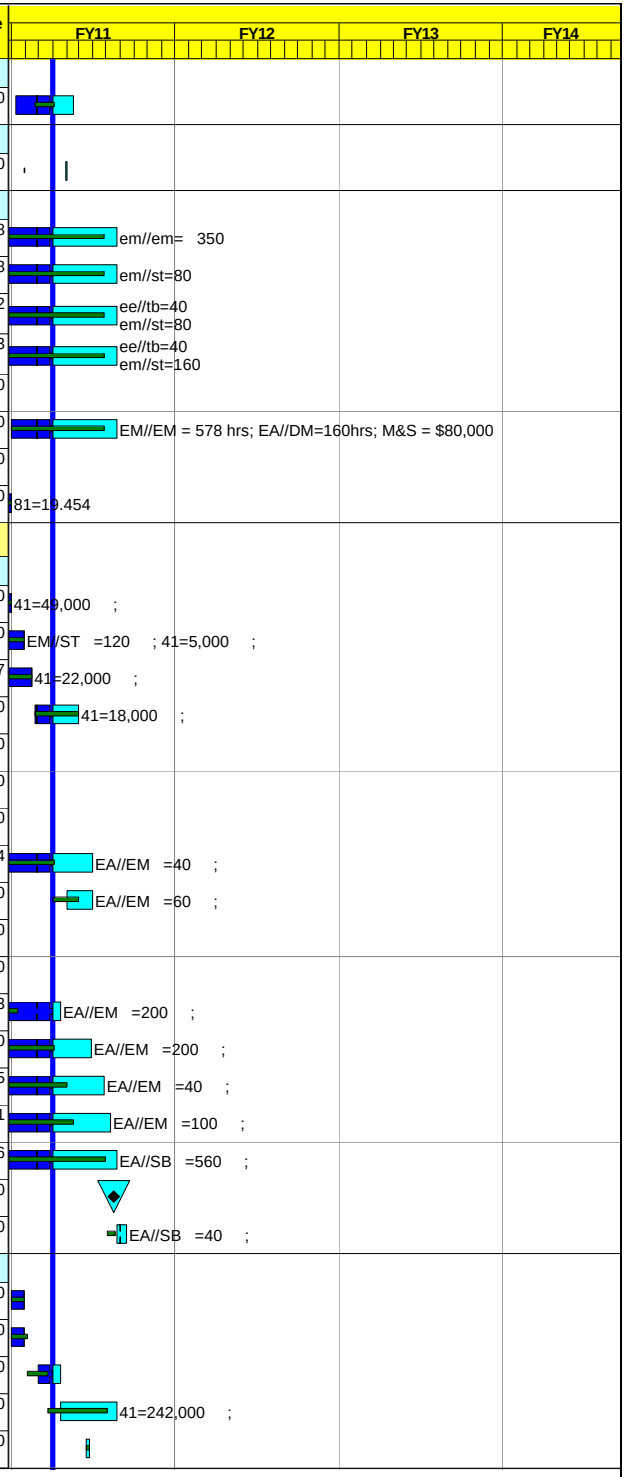
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1208-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	**24JUN10A**	*24JUN10A*	**17AUG10A**	*17AUG10A*		**0.00**	**100**	0.00
1208-0021	DOE CD-2 (Lehman) Review	1	**18AUG10A**	*18AUG10A*	**18AUG10A**	*18AUG10A*		**0.00**	**100**	0.00
1208-0028	Det Dsgn Eng, CAD (42 CAD)	110*	**16AUG10A**	*16AUG10A*	**03FEB11**	*27JAN11*	1	**21,222.29**	**80**	16,977.84
1208-0029	Final Design Analysis	110*	**16AUG10A**	*16AUG10A*	**03FEB11**	*27JAN11*	1	**37,319.88**	**65**	24,257.92
1208-0030	Design Drawings (23 dwg)	60	**04FEB11**	*28JAN11*	**21APR11**	*21APR11*	1	**25,673.01**		0.00
1208-0032	Validation of Design Complete	10	**22APR11**	*22APR11*	**05MAY11**	*05MAY11*	1	**5,780.40**		0.00
1208-0033	Update CAD Models per Validation	10	**06MAY11**	*06MAY11*	**19MAY11**	*19MAY11*	1	**5,246.22**		0.00
1208-0034	Revise Fabrication & Assembly Drawings per Valid	10	**20MAY11**	*20MAY11*	**03JUN11**	*03JUN11*	1	**11,491.72**		0.00
1208-0035	Review, Check Drawings	5	**06JUN11**	*06JUN11*	**10JUN11**	*10JUN11*	1	**13,023.52**		0.00
1208-0036	Drawings ready for FDR	1	**13JUN11**	*13JUN11*	**13JUN11**	*13JUN11*	1	**0.00**		0.00
1208-0038	FDR	1	**14JUN11***	*15JUN11**	**14JUN11**	*15JUN11*	0	**0.00**		0.00
1208-0042	Prep Req & Procurement Package	10	**02JUL12***	*02JUL12**	**16JUL12**	*16JUL12*	62	**5,551.68**		0.00
1208-0043	Submit Req to Procurement	1	**16JUL12**	*16JUL12*	**16JUL12**	*16JUL12*	62	**0.00**		0.00
1208-0044	Procurement Processing	22	**16JUL12**	*16JUL12*	**14AUG12**	*14AUG12*	62	**0.00**		0.00
1208-0045	Submit for Vendor Quotes	1	**15AUG12**	*15AUG12*	**15AUG12**	*15AUG12*	62	**0.00**		0.00
1208-0046	Eval Quotes	43	**15AUG12**	*15AUG12*	**15OCT12**	*15OCT12*	62	**1,395.39**		0.00
1208-0047	Tech Eval of Vendors	43	**15AUG12**	*15AUG12*	**15OCT12**	*15OCT12*	62	**2,790.78**		0.00
1208-0048	Award / Order Approved	1	**16OCT12**	*16OCT12*	**16OCT12**	*16OCT12*	62	**0.00**		0.00
1208-0049	Fab & Deliver incl Vendor Oversight	102	**17OCT12**	*17OCT12*	**20MAR13**	*20MAR13*	62	**107,986.40**		0.00
1208-0050	Receipt of Hardware	5	**21MAR13**	*21MAR13*	**27MAR13**	*27MAR13*	62	**0.00**		0.00
1208-0051	QA Inspection	10	**28MAR13**	*28MAR13*	**10APR13**	*10APR13*	62	**2,041.52**		0.00
1208-0052	Resolve Procurement Issues	5	**11APR13**	*11APR13*	**17APR13**	*17APR13*	62	**354.28**		0.00
1208-0053	Documentation: Assembly Procedures	10	**18APR13**	*18APR13*	**01MAY13**	*01MAY13*	62	**4,251.36**		0.00
1208-0054	Assembly of Components	15	**02MAY13**	*02MAY13*	**22MAY13**	*22MAY13*	62	**9,594.96**		0.00
1208-0055	Parts ready for installation	1	**23MAY13**	*23MAY13*	**23MAY13**	*23MAY13*	62	**0.00**		0.00
1208-0057	Handling / Warehouse / Storage	5	**24MAY13**	*24MAY13*	**31MAY13**	*31MAY13*	121	**2,665.92**		0.00
Job: 1220 - Misc Structural Design-SMITH										
1220-0016	Final Design Oversight (LOE)	180*	**01OCT10**	*01OCT10A*	**22JUN11**	*22JUN11*	332	**82,902.04**	**LOE**	26,694.46
1220-0017	Design/Analysis support from EMEM (Willard)	79*	**01NOV10***	*04OCT10A*	**23DEC10**	*01FEB11*	432	**50,627.20**	**50**	25,313.60
1220-0017A	Analysis VV Dome & PF2/3 Rib	98*	**05OCT10A**	*05OCT10A*	**01FEB11**	*01MAR11*	412	**6,328.40**	**40**	2,531.36
1220-0017B	VV & Support Structure - Peer Review	0			**30MAR11***	*30MAR11**	2,361	**0.00**		0.00
1220-0020	Prep for FDR	5	**09JUN11***	*09JUN11**	**15JUN11**	*15JUN11*	0	**6,328.40**		0.00
1220-0031	Misc/admin	180*	**05OCT10A**	*05OCT10A*	**24JUN11**	*24JUN11*	330	**27,928.42**	**LOE**	8,601.95
1220-1 PDR	Prelim Design Oversight	38	**03MAY10A**	*03MAY10A*	**24JUN10A**	*24JUN10A*		**0.00**	**100**	0.00
1220-2 FDR	Final Design Oversight (LOE)	190*	**25JUN10A**	*25JUN10A*	**30SEP10A**	*30SEP10A*		**40,250.16**	**100**	40,250.16
Job: 1300 - Center Stack-CHRZANOWSKI										
1300-0010	Engineering & Dsgn Supp-Final Design (LOE)	249*	**03MAY10A**	*03MAY10A*	**29APR11**	*29APR11*	134	**272,028.55**	**LOE**	179,266.81



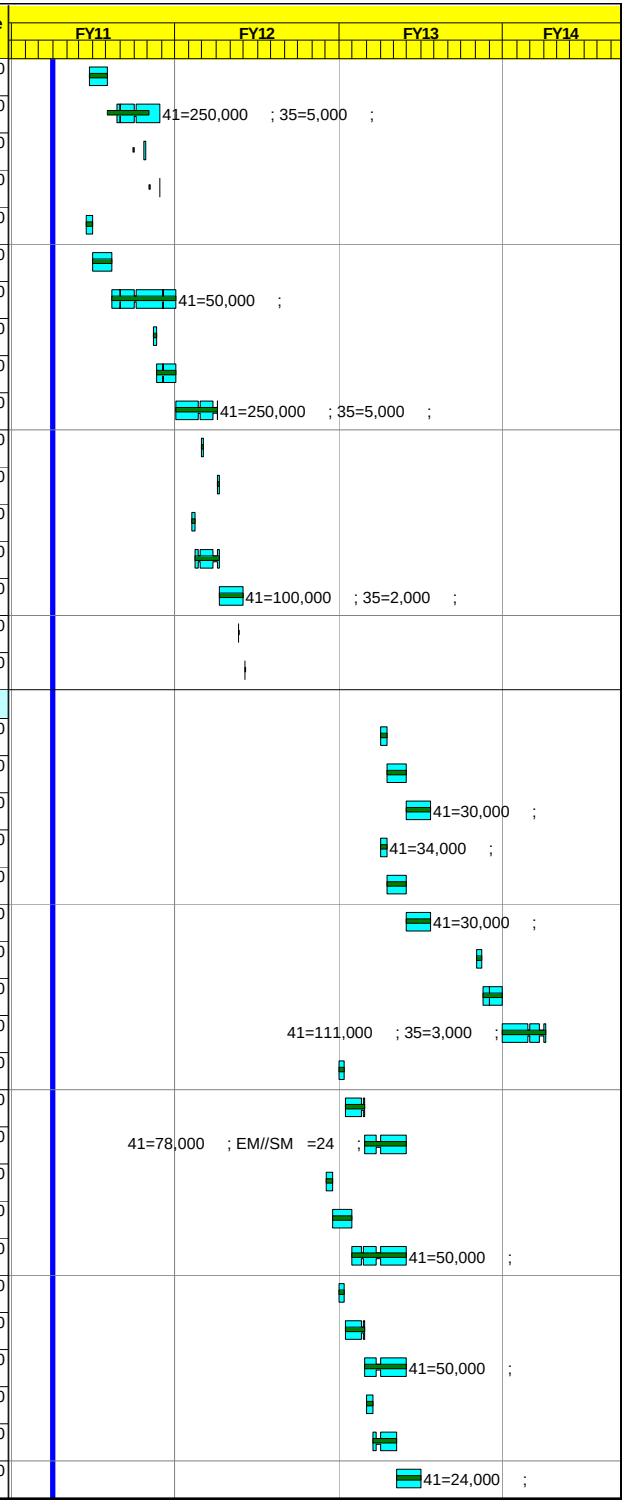
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1300-0011	Engineering and Design Support-Title III	698	02MAY11	02MAY11	21FEB14	21FEB14	134	746,937.73		0.00
FY101300	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A		48,143.00	100	48,143.00
FY101300A	FY10 Actual Cost (Corresponds to BCWP)	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		-4,688.00	100	-4,688.00
Job: 1301 - Outer TF Coils-CHRZANOWSKI										
1301-0010	Revise Outer TF Coil (OTF) Drawings	20	02JUL12*	02JUL12*	30JUL12	30JUL12	103	19,198.88		0.00
1301-0020	Generate Spec & SOW for OTF Purchase	10	31JUL12	31JUL12	13AUG12	13AUG12	103	0.00		0.00
1301-0030	Prep Requisition & Submit to Procurement'	5	14AUG12	14AUG12	20AUG12	20AUG12	103	0.00		0.00
1301-0040	Bid & Award OTF Manufacturing	30	21AUG12	21AUG12	02OCT12	02OCT12	103	0.00		0.00
1301-0050	Provide Existing OTFTooling to Vendor	1	03OCT12	03OCT12	03OCT12	03OCT12	103	0.00		0.00
1301-0060	Manufacture (1) OTF Coil	150	04OCT12	04OCT12	14MAY13	14MAY13	103	122,790.00		0.00
1301-0100	Prep Requisitions & Submit to Procurement	15	04SEP12*	04SEP12*	24SEP12	24SEP12	190	0.00		0.00
1301-0110	Bid & Award Al Supp Castings & SS Supp Clamps	30	25SEP12	25SEP12	05NOV12	05NOV12	190	0.00		0.00
1301-0120	Fab & Del Al Supp Castings & SS Supp Clamps	40	06NOV12	06NOV12	11JAN13	11JAN13	190	22,625.28		0.00
1301-0150	Bid & Award Epoxy/Glass for support blocks	30	25SEP12	25SEP12	05NOV12	05NOV12	190	0.00		0.00
1301-0160	Fab & Del Epoxy/Glass	40	06NOV12	06NOV12	11JAN13	11JAN13	190	24,037.92		0.00
1301-0180	Purchase Copper Fittings	20	25SEP12	25SEP12	22OCT12	22OCT12	240	1,971.00		0.00
1301-0200	Setup work area to install Supports	10	01MAY13	01MAY13	14MAY13	14MAY13	103	17,772.80		0.00
1301-0210	Install alum blocks & SS support clamps	30	15MAY13	15MAY13	26JUN13	26JUN13	103	52,292.00		0.00
1301-0300	Fab Drill Jig for add'l holes in all OTF Flags	5	01OCT13*	01OCT13*	07OCT13	07OCT13	79	11,343.60		0.00
1301-0310	Drill (24) Add'l holes in all OTF Flags	50	08OCT13	08OCT13	18DEC13	18DEC13	79	45,936.00		0.00
FY101301	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A		1,607.00	100	1,607.00
FY101301A	FY10 Actual Cost	20	03MAY10A	03MAY10A	28MAY10A	28MAY10A		18,245.00	100	18,245.00
Job: 1303 - R&D for TF Joint -KOZUB										
Material for CSU R&D Plan										
1303-000A	1.2 Fatigue Test Verification - C18150 (TBD)	101*	01SEP10A	01SEP10A	19NOV10	01FEB11	70	0.00	90	0.00
Single Flex Laminate CSU R&D Plan										
1303-000B2	2.2 In-Place Bending Stiffness	100*	01SEP10A	01SEP10A	15DEC10	31JAN11	81	0.00	50	0.00
1303-000B3	2.3 Cyclic, Simulated Combined Tests	100*	01SEP10A	01SEP10A	15DEC10	31JAN11	81	0.00	50	0.00
Full Flex Assembly CSU R&D Plan										
1303-000C1	3.1 Selection Braze vs Solder Between Laminates	1	15SEP10A	15SEP10A	15SEP10A	15SEP10A		0.00	100	0.00
1303-000C2	3.2 Manufacture Joint w/Actual Hardware & Copper	22*	01OCT10*	03JAN11	01OCT10	01FEB11	80	0.00		0.00
1303-000C3	3.3 Materials for Testing	70*	15OCT10*	15OCT10A	15NOV10	01FEB11	80	0.00	40	0.00
1303-000C4	3.4 In-plane Bending Stiffnes (use Joint Sample)	70*	15OCT10*	15OCT10A	15NOV10	01FEB11	80	0.00	50	0.00
1303-000C5	3.5 Cyclic, Simulated Combine Test(Joint Sample)	42	01OCT10*	15OCT10A	15DEC10	01FEB11	80	0.00	10	0.00
1303-000C6	3.6 Contact Pressure Distribtn/Therml Joint Tst	42	15OCT10*	15OCT10A	15DEC10	01FEB11	80	0.00	20	0.00
1303-000C7	Bellville Washer Test	20	04JAN11*	04JAN11		31JAN11*	2,403	0.00		0.00
FSW Trials CSU R&D Plan										
1303-000D1	4.2 Verify C18150 can be Joint C10700 Conductors	1	10SEP10A	10SEP10A	10SEP10A	10SEP10A		0.00	100	0.00



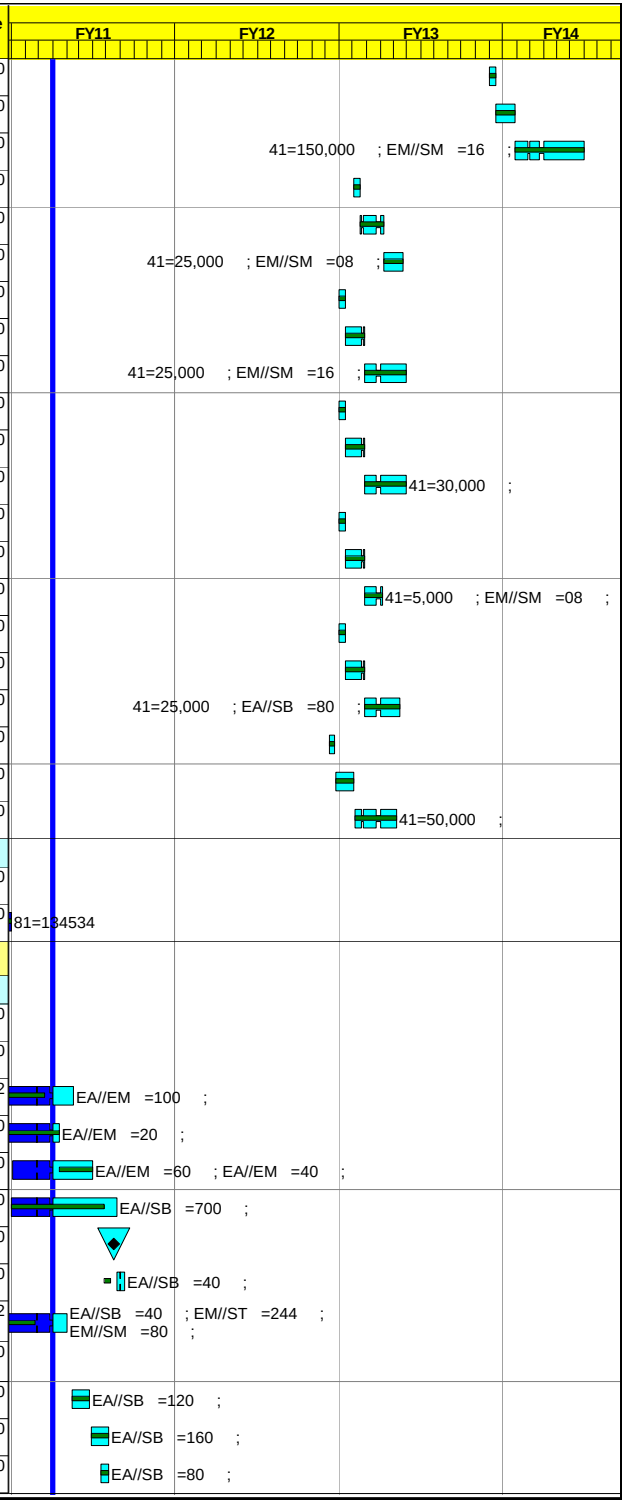
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
Joint Inserts CSU R&D Plan										
1303-000E	5.1 Tap-Lok Insert Pullout Strength-Static/Fatig	82*	**22NOV10***	*13OCT10A*	**05JAN11**	*15FEB11*	70	**0.00**	**60**	0.00
Insulation Bond Test CSU R&D Plan										
1303-000F	6.1 Verify Shear Bond Strength Copper/Epoxy/Insu	1	**29OCT10***	*31JAN11**	**29OCT10**	*31JAN11*	81	**0.00**		0.00
Testing										
1303-001	Test Engineering Design and Analysis	267*	**01MAY10A**	*01MAY10A*	**25APR11**	*25MAY11*	14	**53,002.13**	**65**	34,451.38
1303-002	Materials Testing	267*	**01MAY10A**	*01MAY10A*	**25APR11**	*25MAY11*	14	**7,645.36**	**65**	4,969.48
1303-003	Component Testing	267*	**01MAY10A**	*01MAY10A*	**25APR11**	*25MAY11*	14	**10,925.26**	**65**	7,101.42
1303-004	Assembly Testing	182*	**01SEP10A**	*01SEP10A*	**25APR11**	*25MAY11*	14	**19,030.81**	**65**	12,370.03
1303-005	Model Fabrication	245*	**01MAY10A**	*01MAY10A*	**31AUG10A**	*31AUG10A*		**0.00**	**100**	0.00
1303-011	Testing Design Support and M&S	160*	**01OCT10***	*01OCT10A*	**25APR11**	*24MAY11*	15	**212,541.38**	**65**	138,151.90
FY101303	FY10 Actual Cost	85	**01JAN10A**	*01JAN10A*	**30APR10A**	*30APR10A*		**28,278.00**	**100**	28,278.00
FY101303A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**21,454.00**	**100**	21,454.00
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI										
Inner TF Bundl;e Design										
1304-0050	Perform Add'l Friction Stir Weld Trials-Phase II	75	**01SEP10A**	*01SEP10A*	**01OCT10A**	*01OCT10A*		**0.00**	**100**	0.00
1304-0060	Fabricate Flex Bus Assy's for Testing (2)	42*	**01SEP10A**	*01SEP10A*	**29OCT10**	*29OCT10A*		**17,500.00**	**100**	17,500.00
1304-0065	New Insulation Shear R&D Test	43*	**16SEP10A**	*16SEP10A*	**15NOV10**	*15NOV10A*		**27,269.77**	**100**	27,269.77
1304-0065B	Second Insulation Shear R&D Test (60k cycle tes	60*	**24NOV10***	*24NOV10A*	**25FEB11**	*25FEB11*	62	**22,680.00**	**5**	1,134.00
1304-0110	Design-Analyze Tension Strap	15	**24JUN10A**	*24JUN10A*	**15JUL10A**	*15JUL10A*		**0.00**	**100**	0.00
1304-0130	Complete Analysis if TF Flex Bus	24	**26JUL10A**	*26JUL10A*	**26AUG10A**	*26AUG10A*		**0.00**	**100**	0.00
1304-0140	Complete & Check Thermal Stresses	15	**16JUL10A**	*16JUL10A*	**05AUG10A**	*05AUG10A*		**0.00**	**100**	0.00
1304-0150	Maintain input to Willards Flex Model (LOE)	191*	**24JUN10A**	*24JUN10A*	**03JAN11**	*31MAR11*	38	**7,250.29**	**LOE**	4,821.44
1304-0160	Check Willards/Tooling/Fixturing Calculations	40	**03JAN11***	*04FEB11**	**25FEB11**	*31MAR11*	38	**23,121.60**		0.00
1304-0170	N/R Tooling/Fixturing Calculations	45	**31AUG10A**	*31AUG10A*	**31AUG10A**	*31AUG10A*		**0.00**	**100**	0.00
1304-0180	N/R Calculation/Write/Check Files	80	**31AUG10A**	*31AUG10A*	**31AUG10A**	*31AUG10A*		**0.00**	**100**	0.00
1304-0190	Analyze Pins & Crown	138*	**24JUN10A**	*24JUN10A*	**15OCT10**	*17JAN11*	36	**34,880.73**	**72**	25,114.13
1304-0210	Pedestal/Lower Skirt/TF Teeth Analysis	104	**02AUG10A**	*02AUG10A*	**05JAN11**	*28MAR11*	36	**36,783.75**	**72**	26,484.30
1304-0220	Finish Torque for Upper Teeth & Covers Post Proc	124	**02AUG10A**	*02AUG10A*	**02FEB11**	*25APR11*	36	**7,413.27**	**72**	5,337.55
1304-0230	DCPS Input	160	**24JUN10A**	*24JUN10A*	**16FEB11**	*09MAY11*	11	**18,354.18**	**72**	13,215.01
1304-0250	Complete Detail and Assembly CAD Drawings	228*	**24JUN10A**	*24JUN10A*	**29APR11**	*23MAY11*	1	**68,147.01**	**85**	57,924.96
1304-0255	Inner TF Bundle - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
1304-0260	Prepare for FDR	15	**02MAY11**	*24MAY11*	**20MAY11**	*14JUN11*	1	**4,996.40**		0.00
Manufacture Inner TF Conductor										
1304-0460	Generate SOW for TF Conductor	20*	**01OCT10A**	*01OCT10A*	**28OCT10**	*28OCT10A*		**0.00**	**100**	0.00
1304-0480	Prep Req for TF Conductor & Submit to Proc	25*	**01OCT10A**	*01OCT10A*	**04NOV10**	*29OCT10A*		**0.00**	**100**	0.00
1304-0500	Bid & Award TF Conductor-Copper Extrusions	30*	**05NOV10**	*01DEC10A*	**20DEC10**	*19JAN11*	41	**0.00**		0.00
1304-0600	Manufacture TF Conductor-Copper Extrusions (56)	90	**21DEC10**	*20JAN11*	**03MAY11**	*25MAY11*	41	**304,920.00**		0.00
1304-0730	Prep Req to Mach Conductors & Submit to Proc	5	**16MAR11**	*16MAR11**	**22MAR11**	*22MAR11*	57	**0.00**		0.00



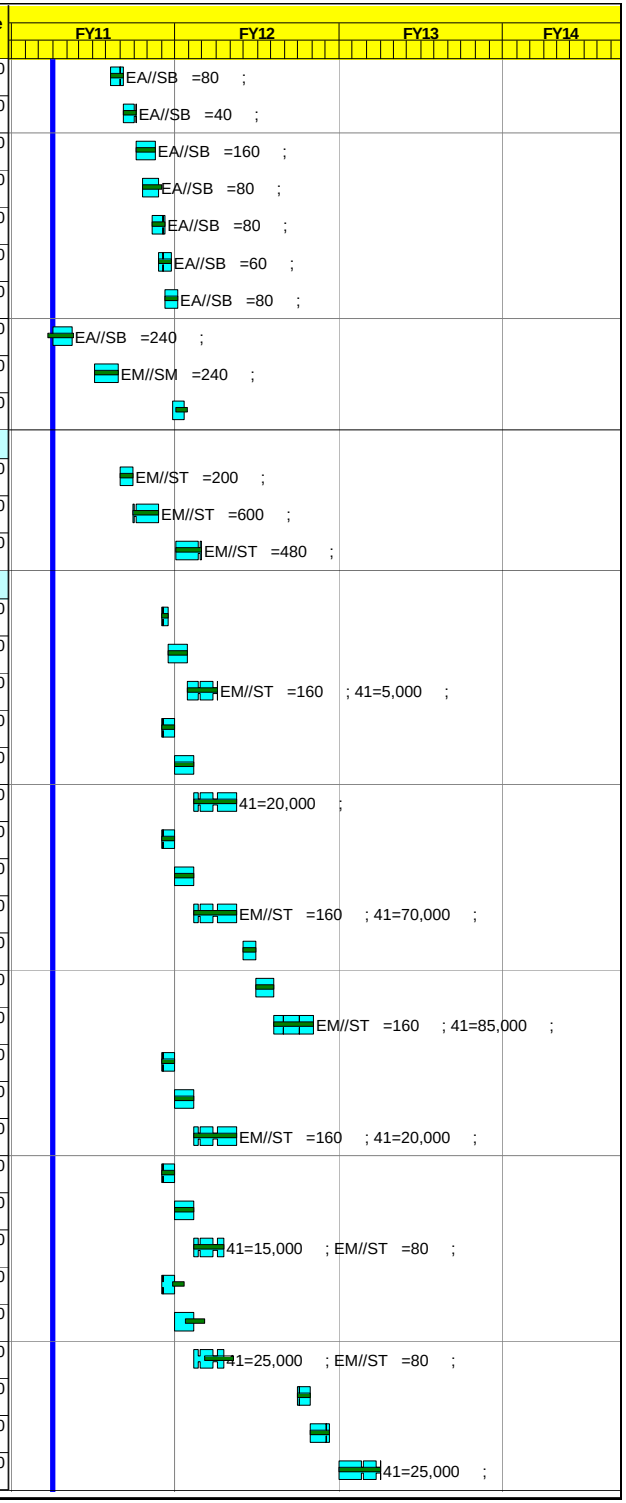
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1304-0740	Bid & Award Contract to Machine Conductors	30	**23MAR11**	*23MAR11*	**03MAY11**	*03MAY11*	57	**0.00**		0.00
1304-0750	Machine TF Conductors (Clng Grooves, Lead Areas)	65	**04MAY11**	*26MAY11*	**04AUG11**	*26AUG11*	41	**321,300.00**		0.00
1304-0750A	Deliver 1st 25 Machined Conductors	1	**30JUN11**	*25JUL11*	**30JUN11**	*25JUL11*	66	**0.00**		0.00
1304-0750B	Deliver 2nd 20 Machined Conductors	1	**05AUG11**	*29AUG11*	**05AUG11**	*29AUG11*	41	**0.00**		0.00
1304-0770	Prep Req for Cu-Cr-Zr TF Lead Extensions	10	**17MAR11**	*17MAR11*	**30MAR11**	*30MAR11*	17	**0.00**		0.00
1304-0780	Bid & Award TF Lead Extensions	30	**31MAR11**	*31MAR11*	**11MAY11**	*11MAY11*	17	**0.00**		0.00
1304-0790	Fab & Del TF Lead Extensions	100	**12MAY11**	*12MAY11*	**03OCT11**	*03OCT11*	17	**63,015.00**		0.00
1304-0830	Prep Req for Friction Stir Welding	5	**15AUG11***	*15AUG11**	**19AUG11**	*19AUG11*	17	**0.00**		0.00
1304-0840	Bid & Award Friction Stir Welding	30	**22AUG11**	*22AUG11*	**03OCT11**	*03OCT11*	17	**0.00**		0.00
1304-0850	Friction Stir-Weld Coil Leads to Conductors	60	**04OCT11**	*04OCT11*	**05JAN12**	*05JAN12*	17	**328,950.00**		0.00
1304-0850A	Deliver 1st 20 FSW Conductors	1	**01DEC11**	*01DEC11*	**01DEC11**	*01DEC11*	37	**0.00**		0.00
1304-0850B	Deliver 2nd 25 FSW conductors	1	**06JAN12**	*06JAN12*	**06JAN12**	*06JAN12*	17	**0.00**		0.00
1304-0930	Prep Req for Final Conductor Machining	5	**09NOV11**	*09NOV11*	**15NOV11**	*15NOV11*	17	**0.00**		0.00
1304-0940	Bid & Award Final Conductor Machining	30	**16NOV11**	*16NOV11*	**06JAN12**	*06JAN12*	17	**0.00**		0.00
1304-0950	Machine TF Conductors (Fnl Lead Areas & Inserts)	40	**09JAN12**	*09JAN12*	**02MAR12**	*02MAR12*	17	**131,580.00**		0.00
1304-0950A	Receive 1st Delivery of Final Machined TF Cond	1	**20FEB12**	*20FEB12*	**20FEB12**	*20FEB12*	27	**0.00**		0.00
1304-0950B	Receive Balance ofFinal Machined TF Cond	1	**05MAR12**	*05MAR12*	**05MAR12**	*05MAR12*	17	**0.00**		0.00
Other Inner TF Bundle Hardware										
1304-1110	Prep Req for C151 (Cu-Zr) for Flex Bus	10	**02JAN13***	*02JAN13**	**15JAN13**	*15JAN13*	195	**0.00**		0.00
1304-1112	Bid/Award- C151 for Flex Bus	30	**16JAN13**	*16JAN13*	**26FEB13**	*26FEB13*	195	**0.00**		0.00
1304-1114	Fab & Deliver C151 for Flex Bus	40	**27FEB13**	*27FEB13*	**23APR13**	*23APR13*	195	**39,600.00**		0.00
1304-1114A	Prep Req for Flex Bus Solder Bimetal Wafers	10	**02JAN13***	*02JAN13**	**15JAN13**	*15JAN13*	195	**0.00**		0.00
1304-1114B	Bid/Award- for Flex Bus Solder Bimetal Wafers	30	**16JAN13**	*16JAN13*	**26FEB13**	*26FEB13*	195	**0.00**		0.00
1304-1114C	Fab & Delive- for Flex Bus Solder Bimetal Wafers	40	**27FEB13**	*27FEB13*	**23APR13**	*23APR13*	195	**39,600.00**		0.00
1304-1120	Prep Req for Flex Bus Fabrication	10	**05AUG13***	*05AUG13**	**16AUG13**	*16AUG13*	85	**0.00**		0.00
1304-1122	Bid/Award Flex Bus Fabrication	30	**19AUG13**	*19AUG13*	**30SEP13**	*30SEP13*	85	**0.00**		0.00
1304-1124	Fab & Deliver Flex Bus	60	**01OCT13**	*01OCT13*	**06JAN14**	*06JAN14*	85	**153,930.00**		0.00
1304-1130	Prep Req for Cu-Cr-Zr (C1815) for OTF Lead Ext	10	**01OCT12***	*01OCT12**	**12OCT12**	*12OCT12*	161	**0.00**		0.00
1304-1132	Bid/Award Cu-Cr-Zr for OTF Lead Ext	30	**15OCT12**	*15OCT12*	**27NOV12**	*27NOV12*	161	**0.00**		0.00
1304-1134	Fab & Del Cu-Cr-Zr for OTF Lead Ext	60	**28NOV12**	*28NOV12*	**28FEB13**	*28FEB13*	161	**107,197.92**		0.00
1304-1140	Prep Req for OTF Lead Ext (OTF to Flex)	10	**04SEP12***	*04SEP12**	**17SEP12**	*17SEP12*	160	**0.00**		0.00
1304-1142	Bid/Award OTF Lead Ext (OTF to Flex)	30	**18SEP12**	*18SEP12*	**29OCT12**	*29OCT12*	160	**0.00**		0.00
1304-1144	Fab & Del OTF Lead Ext (OTF to Flex)	80	**30OCT12**	*30OCT12*	**01MAR13**	*01MAR13*	160	**66,000.00**		0.00
1304-1150	Prep ReqPrep Req for Supports for OTF Jumpers	10	**01OCT12***	*01OCT12**	**12OCT12**	*12OCT12*	161	**0.00**		0.00
1304-1152	Bid/Award Supports for OTF Jumpers	30	**15OCT12**	*15OCT12*	**27NOV12**	*27NOV12*	161	**0.00**		0.00
1304-1154	Fab/Deliver Supports for OTF Jumpers	60	**28NOV12**	*28NOV12*	**28FEB13**	*28FEB13*	161	**66,000.00**		0.00
1304-1160	Prep Req Lower TF Coil to Bus Jump & Supp	10	**03DEC12***	*03DEC12**	**14DEC12**	*14DEC12*	138	**0.00**		0.00
1304-1162	Bid/Award Lower TF Coil to Bus Jump & Supp	30	**17DEC12**	*17DEC12*	**05FEB13**	*05FEB13*	138	**0.00**		0.00
1304-1164	Fab & Deliver Lower TF Coil to Bus Jump & Supp	40	**06FEB13**	*06FEB13*	**02APR13**	*02APR13*	138	**31,680.00**		0.00



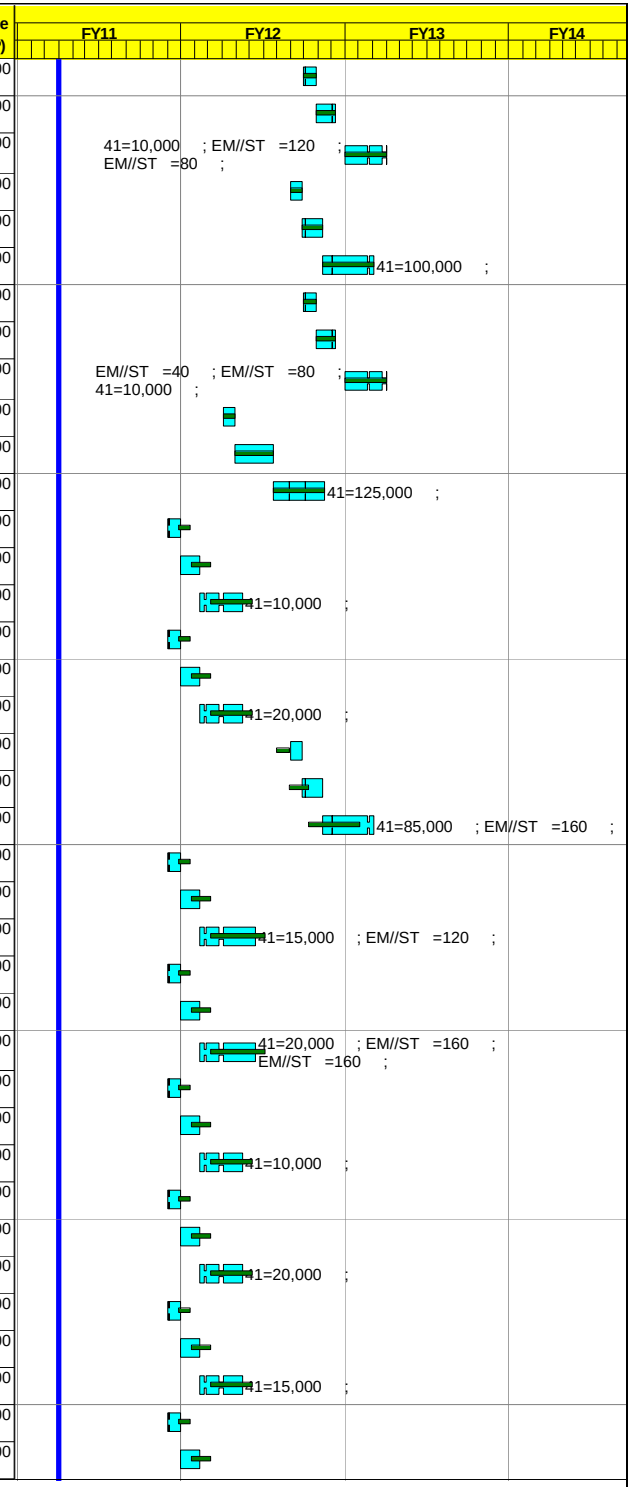
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1304-1170	Prep Spec for Super Bolts	10	**03SEP13***	*03SEP13**	**16SEP13**	*16SEP13*	25	**0.00**		0.00
1304-1172	Bid/Award Super Bolts	30	**17SEP13**	*17SEP13*	**28OCT13**	*28OCT13*	25	**0.00**		0.00
1304-1174	Fab & Deliver Super Nuts	100	**29OCT13**	*29OCT13*	**31MAR14**	*31MAR14*	25	**205,414.88**		0.00
1304-1180	Prep Req Joint Hardware	10	**02NOV12***	*02NOV12**	**15NOV12**	*15NOV12*	167	**0.00**		0.00
1304-1182	Bid/Award Joint Hardware	30	**16NOV12**	*16NOV12*	**09JAN13**	*09JAN13*	167	**0.00**		0.00
1304-1184	Fab & Deliver Joint Hardware	30	**10JAN13**	*10JAN13*	**20FEB13**	*20FEB13*	167	**34,412.64**		0.00
1304-1190	Prep Spec Copper for Lead Ext for Upper ITF	10	**02OCT12***	*02OCT12**	**15OCT12**	*15OCT12*	160	**0.00**		0.00
1304-1192	Bid/Award - Copper Lead Ext for Upper ITF	30	**16OCT12**	*16OCT12*	**28NOV12**	*28NOV12*	160	**0.00**		0.00
1304-1194	Fab & Deliver Copper Lead Ext for Upper ITF	60	**29NOV12**	*29NOV12*	**01MAR13**	*01MAR13*	160	**35,825.28**		0.00
1304-1210	Prep Req for Up/Lwr OF to TF Supp Struct	10	**02OCT12***	*02OCT12**	**15OCT12**	*15OCT12*	160	**0.00**		0.00
1304-1212	Bid/Award Up/Lwr OH to TF Supp Struct	30	**16OCT12**	*16OCT12*	**28NOV12**	*28NOV12*	160	**0.00**		0.00
1304-1214	Fab & Del Up/Lwr OH to TF Supp Struct	60	**29NOV12**	*29NOV12*	**01MAR13**	*01MAR13*	160	**39,600.00**		0.00
1304-1220	Pre Req for Cooling Fittings	10	**02OCT12***	*02OCT12**	**15OCT12**	*15OCT12*	200	**0.00**		0.00
1304-1222	Bid/Award Cooling Fittings	30	**16OCT12**	*16OCT12*	**28NOV12**	*28NOV12*	200	**0.00**		0.00
1304-1224	Fab & Deliver Cooling Fittings	20	**29NOV12**	*29NOV12*	**04JAN13**	*04JAN13*	200	**8,012.64**		0.00
1304-1230	Prep Req for Tooling for Inst Flex Bus Segments	10	**02OCT12***	*02OCT12**	**15OCT12**	*15OCT12*	170	**0.00**		0.00
1304-1232	Bid/Award-Tooling for Inst Flex Bus segments	30	**16OCT12**	*16OCT12*	**28NOV12**	*28NOV12*	170	**0.00**		0.00
1304-1234	Fab/Del Tooling for Inst Flex Bus Segments	50	**29NOV12**	*29NOV12*	**15FEB13**	*15FEB13*	170	**44,188.80**		0.00
1304-1240	Prep req for Up/Lwr Teeth Interf Struct	10	**10SEP12***	*10SEP12**	**21SEP12**	*21SEP12*	176	**0.00**		0.00
1304-1242	Bid/Award Up/Lwr Teeth Interf Struct	30	**24SEP12**	*24SEP12*	**02NOV12**	*02NOV12*	176	**0.00**		0.00
1304-1244	Fab & Deliver Up/Lwr Teeth Interf Struct	60	**05NOV12**	*05NOV12*	**07FEB13**	*07FEB13*	176	**66,000.00**		0.00
FY101304	FY10 Actual Cost	100	**01DEC09A**	*01DEC09A*	**30APR10A**	*30APR10A*		**104,348.00**	**100**	104,348.00
FY101304A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**134,712.00**	**100**	134,712.00
Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI										
Design										
1305-0100	Finalize Calcs on OH Flow Optimization	25	**24JUN10A**	*24JUN10A*	**29JUL10A**	*29JUL10A*		**0.00**	**100**	0.00
1305-0110	Check Flow Rates on Cavitation Issues	10	**01SEP10A**	*01SEP10A*	**15SEP10A**	*15SEP10A*		**0.00**	**100**	0.00
1305-0120	Analyze Coax Lead Box	134*	**30JUL10A**	*30JUL10A*	**15DEC10**	*15FEB11*	596	**18,296.79**	**71**	12,990.72
1305-0140	Fatigue Assessment	111*	**02AUG10A**	*02AUG10A*	**14JAN11**	*14JAN11*	596	**3,689.43**	**71**	2,619.50
1305-0180	Calculation write/check & file	121*	**17JAN11**	*04OCT10A*	**31MAR11**	*31MAR11*	596	**19,268.00**	**50**	9,634.00
1305-0510	Complete Detail & Assembly CAD Drawings	161*	**01OCT10***	*01OCT10A*	**26APR11**	*25MAY11*	4	**87,437.00**	**70**	61,205.90
1305-0515	OHMIC Heating Coil - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
1305-0900	Prepare for FDR	10	**27APR11**	*26MAY11*	**10MAY11**	*09JUN11*	4	**4,996.40**		0.00
1305-0910	R&D for Tooling & For "Aquapour"	165*	**01JUN10A**	*01JUN10A*	**22NOV10**	*31JAN11*	96	**52,187.32**	**85**	44,359.22
1305-0915	N/R Additional R&D For "Aquapour"	20*	**31AUG10A**	*31AUG10A*	**31AUG10A**	*31AUG10A*		**0.00**	**100**	0.00
1305-1410	Design TF Quadrant Mold (2)	30	**14FEB11***	*14FEB11*	**25MAR11**	*25MAR11*	7	**14,989.20**		0.00
1305-1430	Design TF Full Mold (3)	30	**28MAR11***	*28MAR11*	**06MAY11**	*06MAY11*	7	**19,985.60**		0.00
1305-1490	Design Lifting Beam -conductors & coils (4)	15	**18APR11**	*18APR11*	**06MAY11**	*06MAY11*	7	**9,992.80**		0.00



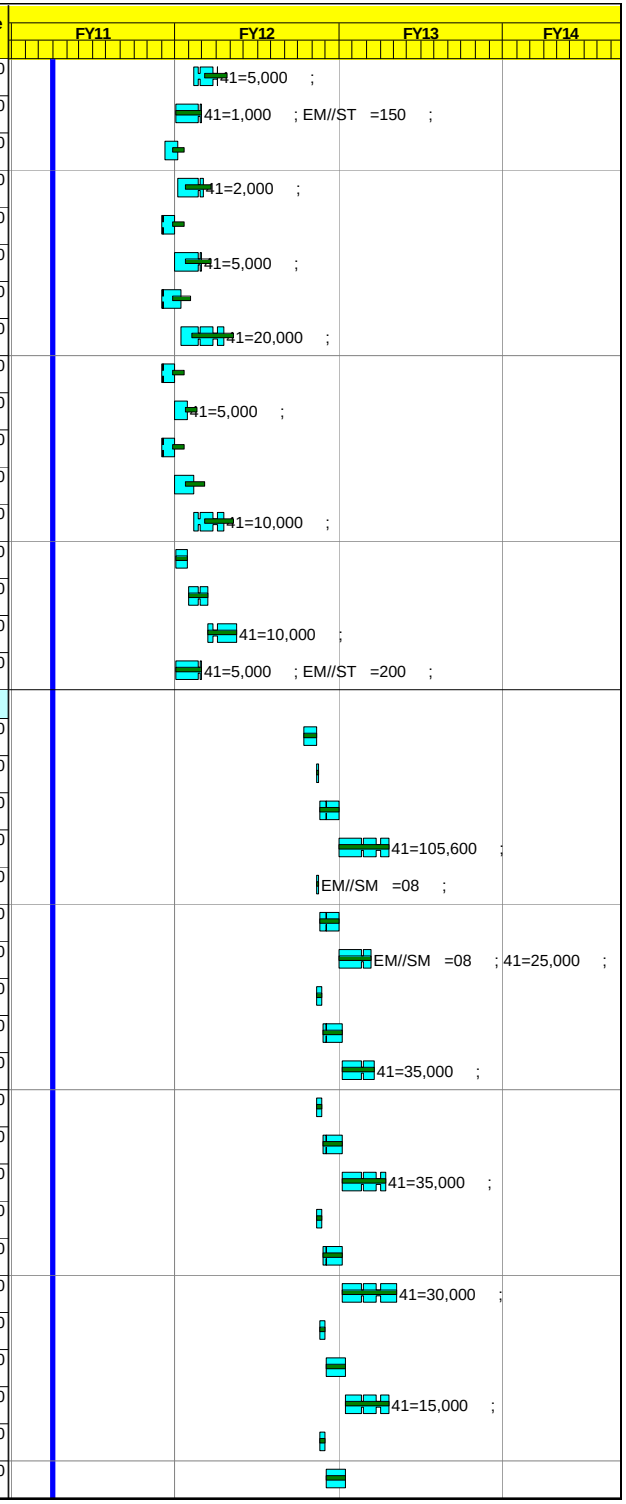
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1305-1580	Design Sandblast Station (5)	20	**09MAY11**	*09MAY11*	**06JUN11**	*06JUN11*	7	**9,992.80**		0.00
1305-1510	Design Ground Wrap Station (6)	20	**07JUN11**	*07JUN11*	**05JUL11**	*05JUL11*	270	**4,996.40**		0.00
1305-1450	Design OH Mold (7)	30	**06JUL11***	*06JUL11*	**16AUG11**	*16AUG11*	270	**19,985.60**		0.00
1305-1470	Design OH Winding Clamps (8)	25	**20JUL11***	*20JUL11*	**30AUG11**	*23AUG11*	270	**9,992.80**		0.00
1305-1530	Design Tension Unit 99)	20	**10AUG11**	*10AUG11*	**07SEP11**	*07SEP11*	270	**9,992.80**		0.00
1305-1550	Design Mold for OH-TF Castable Material (10)	20	**24AUG11**	*24AUG11*	**21SEP11**	*21SEP11*	270	**7,494.60**		0.00
1305-1570	Design Braze Station (12)	20	**08SEP11**	*08SEP11*	**05OCT11**	*05OCT11*	270	**10,137.64**		0.00
1305-1610	Dsgn OH/TF Facility Area Layout incl CleanRoom-1	30	**20DEC10***	*03JAN11**	**16FEB11**	*11FEB11*	7	**29,978.40**		0.00
1305-1620	Electrical Layout to Support Winding Area (11)	40	**04APR11***	*04APR11**	**27MAY11**	*27MAY11*	147	**37,771.20**		0.00
1305-1630	Generate Manufacturing Procedures & Travelers	20	**03OCT11***	*26SEP11**	**28OCT11**	*21OCT11*	252	**0.00**		0.00
Tooling & Equipment setup										
1305-4010	Remove NCSX Tooling & Spare Parts from NCSX TC	20	**01JUN11***	*01JUN11**	**28JUN11**	*28JUN11*	126	**19,842.00**		0.00
1305-4030	Setup Winding Area	40	**29JUN11**	*29JUN11*	**24AUG11**	*24AUG11*	126	**59,526.00**		0.00
1305-4050	Setup Winding Equipment	40	**03OCT11***	*03OCT11**	**29NOV11**	*29NOV11*	100	**52,219.20**		0.00
TF/OH Material Procurements										
1304-3350	Spec-TF conductor stands- tube soldering	10	**01SEP11***	*01SEP11**	**15SEP11**	*15SEP11*	81	**0.00**		0.00
1304-3352	Bid/Award TF Conductor Stands for Soldering	30	**16SEP11**	*16SEP11*	**27OCT11**	*27OCT11*	81	**0.00**		0.00
1304-3354	Fab & Del TF Conductor Stands for Soldering	40	**28OCT11**	*28OCT11*	**03JAN12**	*03JAN12*	81	**23,856.40**		0.00
1304-3450	Spec-TF conductor stands- for insulating	20	**01SEP11***	*01SEP11**	**29SEP11**	*29SEP11*	178	**0.00**		0.00
1304-3452	Bid/Award TF Conductor Stand for Insulating	30	**30SEP11**	*30SEP11*	**10NOV11**	*10NOV11*	178	**0.00**		0.00
1304-3454	Fab & Del TF Conductor Stands for Insulating	60	**11NOV11**	*11NOV11*	**14FEB12**	*14FEB12*	178	**25,800.00**		0.00
1304-3550	Spec TF Quadrant mold	20	**01SEP11***	*01SEP11**	**29SEP11**	*29SEP11*	183	**0.00**		0.00
1304-3552	Bid/Award-TF Quadrant Mold	30	**30SEP11**	*30SEP11*	**10NOV11**	*10NOV11*	183	**0.00**		0.00
1304-3554	Fab & Deliver TF Quadrant Mold	60	**11NOV11**	*11NOV11*	**14FEB12**	*14FEB12*	183	**107,706.40**		0.00
1304-3600	Spec - TF Full coil mold	20	**01MAR12***	*01MAR12**	**28MAR12**	*28MAR12*	170	**0.00**		0.00
1304-3602	Bid/Award TF Full Coil Mold	30	**29MAR12**	*29MAR12*	**09MAY12**	*09MAY12*	170	**0.00**		0.00
1304-3604	Fab & Deliver Full TF Coil Mold	60	**10MAY12**	*10MAY12*	**03AUG12**	*03AUG12*	170	**127,056.40**		0.00
1304-3700	Spec - VPI delivery system	20	**01SEP11***	*01SEP11**	**29SEP11**	*29SEP11*	193	**0.00**		0.00
1304-3702	Bid/Award VPI Delivery System	30	**30SEP11**	*30SEP11*	**10NOV11**	*10NOV11*	193	**0.00**		0.00
1304-3704	Fab & Deliver VPI Delivery System	60	**11NOV11**	*11NOV11*	**14FEB12**	*14FEB12*	193	**43,206.40**		0.00
1304-3800	Spec - Lift beam- conductor	20	**01SEP11***	*01SEP11**	**29SEP11**	*29SEP11*	226	**0.00**		0.00
1304-3802	Bid/Award Lift Beam Conductor	30	**30SEP11**	*30SEP11*	**10NOV11**	*10NOV11*	226	**0.00**		0.00
1304-3804	Fab & Deliver Lift Beam for Conductor	40	**11NOV11**	*11NOV11*	**17JAN12**	*17JAN12*	226	**28,053.20**		0.00
1304-3900	Spec - Lift Beam for coil	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	198	**0.00**		0.00
1304-3902	Bid/Award - Lift Beam for Coil	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	198	**0.00**		0.00
1304-3904	Fab & deliver Lift Beam for Coil	40	**07DEC11**	*11NOV11*	**08FEB12**	*17JAN12*	198	**40,953.20**		0.00
1305-1900	Spec- Taping machines [2]	20	**02JUL12***	*02JUL12**	**30JUL12**	*30JUL12*	107	**0.00**		0.00
1305-1902	Bid/Award - Taping Machines	30	**31JUL12**	*31JUL12*	**11SEP12**	*11SEP12*	107	**0.00**		0.00
1305-1904	Fab & Deliver Taping Machines	60	**01OCT12***	*01OCT12**	**03JAN13**	*03JAN13*	94	**33,000.00**		0.00



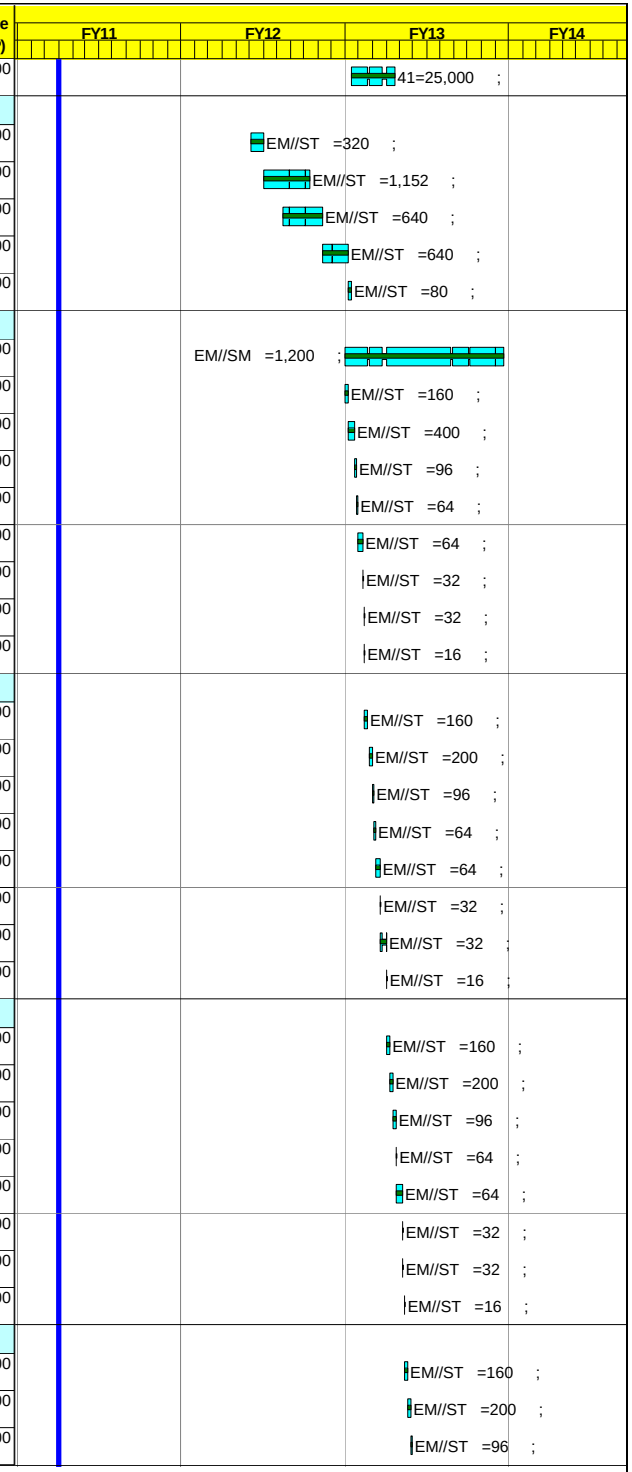
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1305-2000	Spec- Tension unit	20	**02JUL12***	*02JUL12**	**30JUL12**	*30JUL12*	107	**0.00**		0.00
1305-2002	Bid/Award Tension Unit	30	**31JUL12**	*31JUL12*	**11SEP12**	*11SEP12*	107	**0.00**		0.00
1305-2004	Fab & Deliver Tension Unit	60	**01OCT12***	*01OCT12**	**03JAN13**	*03JAN13*	94	**35,416.00**		0.00
1305-2100	Spec-Braze unit	20	**01JUN12***	*01JUN12**	**28JUN12**	*28JUN12*	108	**0.00**		0.00
1305-2102	Bid/Award Braze Station	30	**29JUN12**	*29JUN12*	**10AUG12**	*10AUG12*	108	**0.00**		0.00
1305-2104	Fab & Deliver Braze Station	80	**13AUG12**	*13AUG12*	**05DEC12**	*05DEC12*	108	**130,725.00**		0.00
1305-2200	Spec-Braze fixture and work coil	20	**02JUL12***	*02JUL12**	**30JUL12**	*30JUL12*	107	**0.00**		0.00
1305-2210	Bid/Award Braze Fixture for Work Coil	30	**31JUL12**	*31JUL12*	**11SEP12**	*11SEP12*	107	**0.00**		0.00
1305-2220	Fab & Deliver Braze Fixture for Work Coil	60	**01OCT12***	*01OCT12**	**03JAN13**	*03JAN13*	94	**26,529.60**		0.00
1305-2300	Spec Winding machine for OH	20	**03JAN12***	*03JAN12**	**30JAN12**	*30JAN12*	185	**0.00**		0.00
1305-2310	Bid/Award Winding Machine for OH	60	**31JAN12**	*31JAN12*	**23APR12**	*23APR12*	185	**0.00**		0.00
1305-2320	Fab & Deliver Winding Machine for OH	80	**24APR12**	*24APR12*	**15AUG12**	*15AUG12*	185	**161,250.00**		0.00
1305-2400	Spec - Mold for OH-TF spacer [Aquapour]	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	314	**0.00**		0.00
1305-2410	Bid/Award Mold for OH-TF Spacer	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	314	**0.00**		0.00
1305-2420	Fab & Deliver Mold for OH-TF Spacer	60	**07DEC11**	*11NOV11*	**07MAR12**	*14FEB12*	314	**12,900.00**		0.00
1305-2500	Spec - OH winding clamps- 4-sets	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	314	**0.00**		0.00
1305-2510	Bid/Award OH Winding Clamps - 4 sets	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	314	**0.00**		0.00
1305-2520	Fab & Deliver OH Winding Clamps 4 sets	60	**07DEC11**	*11NOV11*	**07MAR12**	*14FEB12*	314	**25,800.00**		0.00
1305-2600	Spec - OH Mold	20	**01MAY12***	*01JUN12**	**29MAY12**	*28JUN12*	108	**0.00**		0.00
1305-2610	Bid/Award OH Mold	30	**30MAY12**	*29JUN12*	**11JUL12**	*10AUG12*	108	**0.00**		0.00
1305-2620	Fab & Deliver OH Mold	80	**12JUL12**	*13AUG12**	**01NOV12**	*05DEC12*	108	**127,931.32**		0.00
1305-2650	Spec SandBlast Unit	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	123	**0.00**		0.00
1305-2652	Bid/Award Sanblast Unit	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	123	**0.00**		0.00
1305-2654	Fab & Deliver Sandblast Unit	80	**07DEC11**	*11NOV11*	**04APR12**	*13MAR12*	123	**32,404.80**		0.00
1305-2700	Miscellaneous tools & fixtures	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	294	**0.00**		0.00
1305-2702	Bid/Award Misc Tools & Fixtures	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	294	**0.00**		0.00
1305-2704	Fab & deliver Misc Tools & Fixtures	80	**07DEC11**	*11NOV11*	**04APR12**	*13MAR12*	294	**60,612.80**		0.00
1305-2800	Spec - "Aquapour"- castable material	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	314	**0.00**		0.00
1305-2802	Bid/Award Aquapour	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	314	**0.00**		0.00
1305-2820	Fab & Deliver Aquapour	60	**07DEC11**	*11NOV11*	**07MAR12**	*14FEB12*	314	**12,900.00**		0.00
1305-2900	Spec-Insulation [fiberg tape, teflon and gnd p	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	178	**0.00**		0.00
1305-2902	Bid/Award - Insulation	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	178	**0.00**		0.00
1305-2904	Fab & Deliver Insulation	60	**07DEC11**	*11NOV11*	**07MAR12**	*14FEB12*	178	**25,800.00**		0.00
1305-3000	Epoxy- CTD-101	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	178	**0.00**		0.00
1305-3002	Bid/Award Epoxy-CTD-101	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	178	**0.00**		0.00
1305-3004	Fab & Deliver Epoxy-CTD-101	60	**07DEC11**	*11NOV11*	**07MAR12**	*14FEB12*	178	**19,350.00**		0.00
1305-3100	Spec-Copper pre-tinned tubing [TF conductor]	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	81	**0.00**		0.00
1305-3102	Bid/Award Copper pre-tinned tubing	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	81	**0.00**		0.00



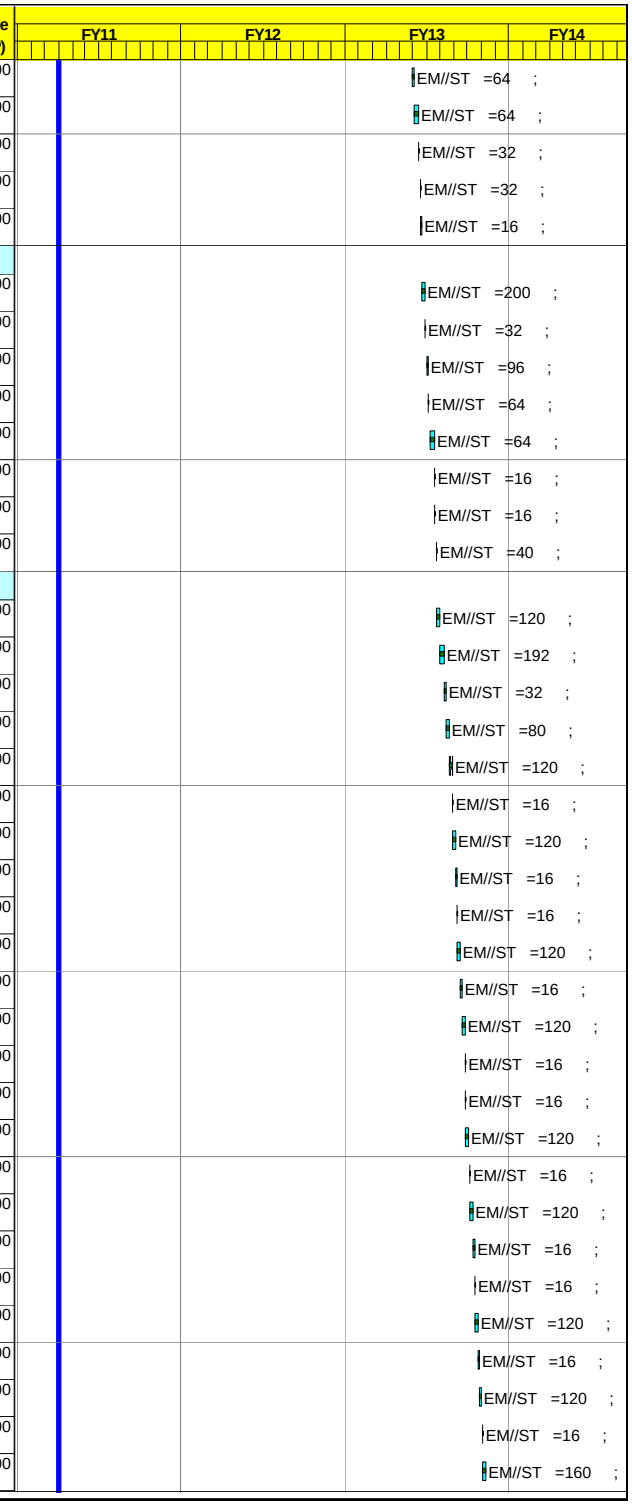
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1305-3104	Fab & Deliver pre-tinned tubing	30	**07DEC11**	*11NOV11*	**25JAN12**	*03JAN12*	81	**6,450.00**		0.00
1305-3200	G-10 Filler modifications	40	**03OCT11***	*03OCT11**	**29NOV11**	*29NOV11*	227	**17,608.50**		0.00
1305-3300	Req/Order - Conductor primer	20	**26SEP11***	*08SEP11**	**21OCT11**	*05OCT11*	229	**0.00**		0.00
1305-3310	Fab & Deliver Conductor Primer	40	**24OCT11**	*06OCT11*	**20DEC11**	*02DEC11*	229	**2,580.00**		0.00
1305-3400	Req/Order-Safety and PPE equipment and supplies	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	81	**0.00**		0.00
1305-3410	Fab & Deliver Safety & PPE	40	**24OCT11**	*30SEP11*	**20DEC11**	*28NOV11*	81	**6,450.00**		0.00
1305-3500	Req/Order Miscellaneous supplies	30	**26SEP11***	*01SEP11**	**04NOV11**	*13OCT11*	198	**0.00**		0.00
1305-3510	Fab & Deliver Misc Supplies	60	**07NOV11**	*14OCT11*	**08FEB12**	*17JAN12*	198	**25,800.00**		0.00
1305-3600	Req/OrderRTV and silicone caulk for mold sealing	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	248	**0.00**		0.00
1305-3610	Fab & Deliver RTV & Silcone for Mold Sealing	20	**24OCT11**	*30SEP11*	**18NOV11**	*27OCT11*	248	**6,450.00**		0.00
1305-3700	Specify-valves & fittinngs (VPI Disposables)	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	198	**0.00**		0.00
1305-3710	Bid/Awad-Valves & Fittings (VPI)	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	198	**0.00**		0.00
1305-3720	Fab & Deliver Valves-Fittings (VPI)	40	**07DEC11**	*11NOV11*	**08FEB12**	*17JAN12*	198	**12,900.00**		0.00
1305-3800	spec-High &Low Temp Vac Tubing (VPI)	20	**03OCT11***	*03OCT11**	**28OCT11**	*28OCT11*	177	**0.00**		0.00
1305-3810	Bid/Award High & Low Temp Vac Tubing (VPI)	30	**31OCT11**	*31OCT11*	**13DEC11**	*13DEC11*	177	**0.00**		0.00
1305-3820	Fab & deliver High & Low Temp Vac Tube (VPI)	40	**14DEC11**	*14DEC11*	**15FEB12**	*15FEB12*	177	**12,900.00**		0.00
1305-3900	Fabricate - VPI manifolds	40	**03OCT11***	*03OCT11**	**29NOV11**	*29NOV11*	227	**28,208.00**		0.00
OH Conductor & Other Hardware										
1305-0920	Generate SOW for OH Conductor	20	**16JUL12***	*16JUL12**	**10AUG12**	*10AUG12*	83	**0.00**		0.00
1305-0930	Prep Requisition & Submit to Procurement	5	**13AUG12**	*13AUG12*	**17AUG12**	*17AUG12*	83	**0.00**		0.00
1305-0940	Bid & Award OH Conductor Fabrication	30	**20AUG12**	*20AUG12*	**01OCT12**	*01OCT12*	83	**0.00**		0.00
1305-0950	Manufacture OH Copper Conductor	70	**02OCT12**	*02OCT12*	**18JAN13**	*18JAN13*	83	**139,392.00**		0.00
1305-0960	Generate Requisition for Kapton/Glass Insulation	5	**13AUG12***	*13AUG12**	**17AUG12**	*17AUG12*	103	**1,380.64**		0.00
1305-0980	Bid & Award Kapton/Glass Insulation	30	**20AUG12**	*20AUG12*	**01OCT12**	*01OCT12*	103	**0.00**		0.00
1305-1000	Fab & Deliver Kapton/Glass Insulation	50	**02OCT12**	*02OCT12*	**12DEC12**	*12DEC12*	103	**34,412.64**		0.00
1305-1010	Prep Requisiton for Belleville Washer Assembly	10	**13AUG12***	*13AUG12**	**24AUG12**	*24AUG12*	98	**0.00**		0.00
1305-1030	Bid & Award Belleville Washer Assembly	30	**27AUG12**	*27AUG12*	**08OCT12**	*08OCT12*	98	**0.00**		0.00
1305-1050	Fab & Deliver Belleville Washer Assembly	50	**09OCT12**	*09OCT12*	**19DEC12**	*19DEC12*	98	**46,200.00**		0.00
1305-1060	Prepare Requisition for G-10 Fillers	10	**13AUG12***	*13AUG12**	**24AUG12**	*24AUG12*	88	**0.00**		0.00
1305-1080	Bid & Award G-10 Fillers	30	**27AUG12**	*27AUG12*	**08OCT12**	*08OCT12*	88	**0.00**		0.00
1305-1100	Fab & Deliver G-10 Filers	60	**09OCT12**	*09OCT12*	**11JAN13**	*11JAN13*	88	**46,200.00**		0.00
1305-1110	Prep Requisition for Lead Blocks & Cooling Fitti	10	**13AUG12***	*13AUG12**	**24AUG12**	*24AUG12*	68	**0.00**		0.00
1305-1130	Bid & Award Lead Blocks & Cooling Fittings	30	**27AUG12**	*27AUG12*	**08OCT12**	*08OCT12*	68	**0.00**		0.00
1305-1150	Fab & Deliver Lead Blocks & Cooling Fittings	80	**09OCT12**	*09OCT12*	**08FEB13**	*08FEB13*	68	**39,600.00**		0.00
1305-1160	Prep Requisition for Misc Parts	10	**20AUG12***	*20AUG12**	**31AUG12**	*31AUG12*	83	**0.00**		0.00
1305-1180	Bid & Award Misc Parts	30	**04SEP12**	*04SEP12*	**15OCT12**	*15OCT12*	83	**0.00**		0.00
1305-1200	Fab & Deliver Misc Parts	60	**16OCT12**	*16OCT12*	**18JAN13**	*18JAN13*	83	**19,800.00**		0.00
1305-1210	Prep Requisition for OH Lwr Lead & Suppt Struct	10	**20AUG12***	*20AUG12**	**31AUG12**	*31AUG12*	83	**0.00**		0.00
1305-1230	Bid & Award OH Lwr Lead & Supt Struct	30	**04SEP12**	*04SEP12*	**15OCT12**	*15OCT12*	83	**0.00**		0.00



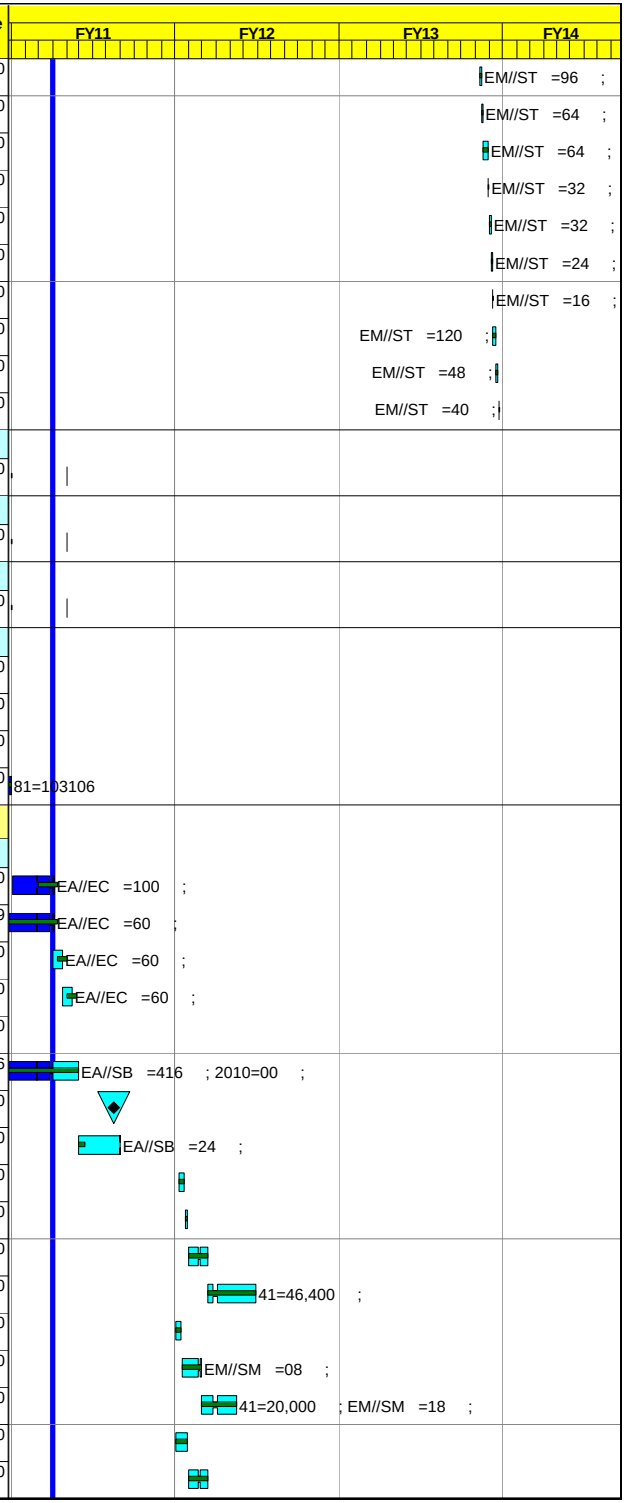
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1305-1250	Fab & deliver OH Lwr Lead & Suppt Struct	60	**16OCT12**	*16OCT12*	**18JAN13**	*18JAN13*	83	**33,000.00**		0.00
Inner TF Conductor Receipt/Inspection/Prep										
1304-1310	Inspect Machined TF Conductors	20	**06MAR12**	*06MAR12*	**02APR12**	*02APR12*	17	**34,812.80**		0.00
1304-1330	Solder TF cooling tubes [40 conductors]	72	**03APR12**	*03APR12*	**13JUL12**	*13JUL12*	17	**125,326.08**		0.00
1304-1340	Cleanup TF conductors- post solder	60	**17MAY12**	*17MAY12*	**10AUG12**	*10AUG12*	17	**69,625.60**		0.00
1304-1350	Sandblast TF conductor length for primer	40	**13AUG12**	*13AUG12*	**08OCT12**	*08OCT12*	17	**69,845.44**		0.00
1304-1360	Apply primer [40 TF conductors]	5	**09OCT12**	*09OCT12*	**15OCT12**	*15OCT12*	17	**8,886.40**		0.00
Inner TF Quadrant 1										
1304-1510	Supervise TF/OH Coil Manufacturing	240	**02OCT12**	*02OCT12*	**19SEP13**	*19SEP13*	18	**211,896.00**		0.00
1304-1520	Apply turn insulation Quadrant #1	5	**02OCT12**	*02OCT12*	**08OCT12**	*08OCT12*	17	**17,772.80**		0.00
1304-1530	Assemble Quadrant #1	10	**09OCT12**	*09OCT12*	**22OCT12**	*22OCT12*	17	**44,432.00**		0.00
1304-1540	Prepare VPI operation	3	**23OCT12**	*23OCT12*	**25OCT12**	*25OCT12*	17	**10,663.68**		0.00
1304-1550	VPI- fill quadrant	2	**26OCT12**	*26OCT12*	**29OCT12**	*29OCT12*	17	**7,109.12**		0.00
1304-1560	Cure VPI'd coil	8	**30OCT12**	*30OCT12*	**08NOV12**	*08NOV12*	17	**7,109.12**		0.00
1304-1570	Remove Quadrant #1 from mold	1	**09NOV12**	*09NOV12*	**09NOV12**	*09NOV12*	17	**3,554.56**		0.00
1304-1580	Cleanup quadrant	2	**12NOV12**	*12NOV12*	**13NOV12**	*13NOV12*	17	**3,554.56**		0.00
1304-1590	Perform T/T electrical tests	1	**14NOV12**	*14NOV12*	**14NOV12**	*14NOV12*	17	**1,777.28**		0.00
Inner TF Quadrant 2										
1304-1620	Apply turn insulation Quadrant #2	5	**15NOV12**	*15NOV12*	**21NOV12**	*21NOV12*	17	**17,772.80**		0.00
1304-1630	Assemble Quadrant #2	5	**26NOV12**	*26NOV12*	**30NOV12**	*30NOV12*	17	**22,216.00**		0.00
1304-1640	Prepare VPI operation	3	**03DEC12**	*03DEC12*	**05DEC12**	*05DEC12*	17	**10,663.68**		0.00
1304-1650	VPI- fill quadrant	2	**06DEC12**	*06DEC12*	**07DEC12**	*07DEC12*	17	**7,109.12**		0.00
1304-1660	Cure VPI'd coil	8	**10DEC12**	*10DEC12*	**19DEC12**	*19DEC12*	17	**7,109.12**		0.00
1304-1670	Remove Quadrant #2 from mold	1	**20DEC12**	*20DEC12*	**20DEC12**	*20DEC12*	17	**3,554.56**		0.00
1304-1680	Cleanup quadrant	2	**21DEC12**	*21DEC12*	**02JAN13**	*02JAN13*	17	**3,554.56**		0.00
1304-1690	Perform T/T electrical tests	1	**03JAN13**	*03JAN13*	**03JAN13**	*03JAN13*	17	**1,777.28**		0.00
Inner TF Quadrant 3										
1304-1720	Apply turn insulation Quadrant #3	5	**04JAN13**	*04JAN13*	**10JAN13**	*10JAN13*	17	**17,772.80**		0.00
1304-1730	Assemble Quadrant #3	5	**11JAN13**	*11JAN13*	**17JAN13**	*17JAN13*	17	**22,216.00**		0.00
1304-1740	Prepare VPI operation	3	**18JAN13**	*18JAN13*	**22JAN13**	*22JAN13*	17	**10,663.68**		0.00
1304-1750	VPI- fill quadrant	2	**23JAN13**	*23JAN13*	**24JAN13**	*24JAN13*	17	**7,109.12**		0.00
1304-1760	Cure VPI'd coil	8	**25JAN13**	*25JAN13*	**05FEB13**	*05FEB13*	17	**7,109.12**		0.00
1304-1770	Remove Quadrant #3 from mold	1	**06FEB13**	*06FEB13*	**06FEB13**	*06FEB13*	17	**3,554.56**		0.00
1304-1780	Cleanup quadrant	2	**07FEB13**	*07FEB13*	**08FEB13**	*08FEB13*	17	**3,554.56**		0.00
1304-1790	Perform T/T electrical tests #4	1	**11FEB13**	*11FEB13*	**11FEB13**	*11FEB13*	17	**1,777.28**		0.00
Inner TF Quadrant 4										
1304-1820	Apply turn insulation Quadrant #4	5	**12FEB13**	*12FEB13*	**18FEB13**	*18FEB13*	17	**17,772.80**		0.00
1304-1830	Assemble Quadrant #4	5	**19FEB13**	*19FEB13*	**25FEB13**	*25FEB13*	17	**22,216.00**		0.00
1304-1840	Prepare VPI operation	3	**26FEB13**	*26FEB13*	**28FEB13**	*28FEB13*	17	**10,663.68**		0.00



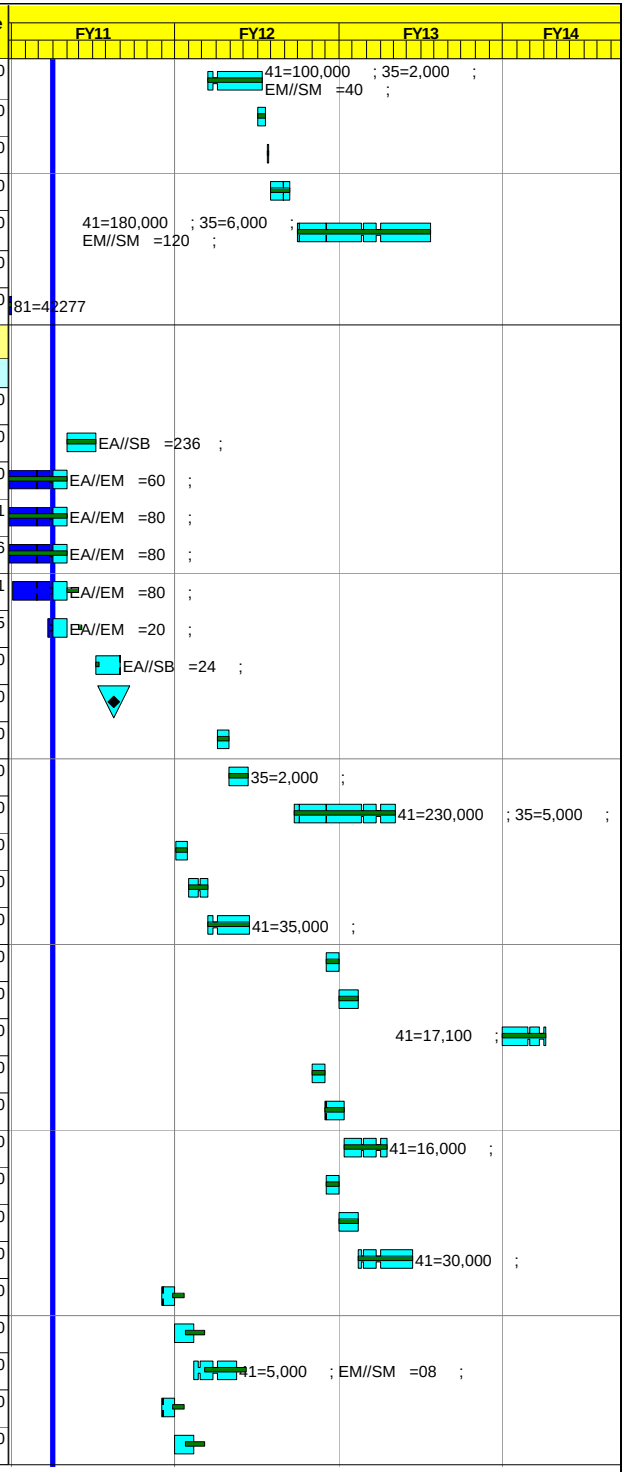
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1304-1850	VPI- fill quadrant	2	**01MAR13**	*01MAR13*	**04MAR13**	*04MAR13*	17	**7,109.12**		0.00
1304-1860	Cure VPI'd coil	8	**05MAR13**	*05MAR13*	**14MAR13**	*14MAR13*	17	**7,109.12**		0.00
1304-1870	Remove Quadrant #4 from mold	1	**15MAR13**	*15MAR13*	**15MAR13**	*15MAR13*	17	**3,554.56**		0.00
1304-1880	Cleanup quadrant	2	**18MAR13**	*18MAR13*	**19MAR13**	*19MAR13*	17	**3,554.56**		0.00
1304-1890	Perform T/T electrical tests	1	**20MAR13**	*20MAR13*	**20MAR13**	*20MAR13*	17	**1,777.28**		0.00
Inner TF Coil Assemble Quadrants										
1304-4800	Assemble quadrants together	5	**21MAR13**	*21MAR13*	**27MAR13**	*27MAR13*	17	**22,216.00**		0.00
1304-4900	Apply groundwrap insulation	2	**28MAR13**	*28MAR13*	**29MAR13**	*29MAR13*	17	**3,554.56**		0.00
1304-5000	Prepare VPI operation	3	**01APR13**	*01APR13*	**03APR13**	*03APR13*	17	**10,663.68**		0.00
1304-5100	VPI full TF coil	2	**04APR13**	*04APR13*	**05APR13**	*05APR13*	17	**7,109.12**		0.00
1304-5200	Cure VPI'd coil	8	**08APR13**	*08APR13*	**17APR13**	*17APR13*	17	**7,109.12**		0.00
1304-5300	Remove full TF from mold and cleanup	1	**18APR13**	*18APR13*	**18APR13**	*18APR13*	17	**1,777.28**		0.00
1304-5400	Perform Final electrical tests	1	**19APR13**	*19APR13*	**19APR13**	*19APR13*	17	**1,777.28**		0.00
1304-5500	Transfer TF to OH station	1	**22APR13**	*22APR13*	**22APR13**	*22APR13*	17	**4,443.20**		0.00
TF/OH Fabrication										
1305-5600	Prepare TF for OH winding	5	**23APR13**	*23APR13*	**29APR13**	*29APR13*	17	**13,329.60**		0.00
1305-5700	Install intermediate spacer between OH/TF bundle	8	**30APR13**	*30APR13*	**09MAY13**	*09MAY13*	17	**21,327.36**		0.00
1305-5800	Apply slip plane, and inner groundwall insulatio	2	**10MAY13**	*10MAY13*	**13MAY13**	*13MAY13*	17	**3,554.56**		0.00
1305-5900	Braze first lead and prepare for winding	5	**14MAY13**	*14MAY13*	**20MAY13**	*20MAY13*	17	**8,886.40**		0.00
1305-6000	Wind 1st half of layer #1	5	**21MAY13**	*21MAY13*	**28MAY13**	*28MAY13*	17	**13,329.60**		0.00
1305-6100	Make [2] in-line brazes	1	**29MAY13**	*29MAY13*	**29MAY13**	*29MAY13*	17	**1,777.28**		0.00
1305-6200	Wind second half of layer #1	5	**30MAY13**	*30MAY13*	**05JUN13**	*05JUN13*	17	**13,329.60**		0.00
1305-6300	Perform prelim electrical tests	1	**06JUN13**	*06JUN13*	**06JUN13**	*06JUN13*	17	**1,777.28**		0.00
1305-6400	Braze layer to layer joint	1	**07JUN13**	*07JUN13*	**07JUN13**	*07JUN13*	17	**1,777.28**		0.00
1305-6500	Wind 1st half of layer #2	5	**10JUN13**	*10JUN13*	**14JUN13**	*14JUN13*	17	**13,329.60**		0.00
1305-6600	Make [2] in-line brazes	1	**17JUN13**	*17JUN13*	**17JUN13**	*17JUN13*	17	**1,777.28**		0.00
1305-6700	Wind second half of layer #2	5	**18JUN13**	*18JUN13*	**24JUN13**	*24JUN13*	17	**13,329.60**		0.00
1305-6800	Perform prelim electrical tests	1	**25JUN13**	*25JUN13*	**25JUN13**	*25JUN13*	17	**1,777.28**		0.00
1305-6900	Braze layer to layer joint	1	**26JUN13**	*26JUN13*	**26JUN13**	*26JUN13*	17	**1,777.28**		0.00
1305-7000	Wind 1st half of layer #3	5	**27JUN13**	*27JUN13*	**03JUL13**	*03JUL13*	17	**13,329.60**		0.00
1305-7100	Make [2] in-line brazes	1	**08JUL13**	*08JUL13*	**08JUL13**	*08JUL13*	17	**1,777.28**		0.00
1305-7200	Wind second half of layer #3	5	**09JUL13**	*09JUL13*	**15JUL13**	*15JUL13*	17	**13,329.60**		0.00
1305-7300	Perform prelim electrical tests	1	**16JUL13**	*16JUL13*	**16JUL13**	*16JUL13*	17	**1,777.28**		0.00
1305-7400	Braze layer to layer joint	2	**17JUL13**	*17JUL13*	**18JUL13**	*18JUL13*	17	**1,777.28**		0.00
1305-7500	Wind 1st half of layer #4	5	**19JUL13**	*19JUL13*	**25JUL13**	*25JUL13*	17	**13,329.60**		0.00
1305-7600	Make [2] in-line brazes	1	**26JUL13**	*26JUL13*	**26JUL13**	*26JUL13*	17	**1,777.28**		0.00
1305-7700	Wind second half of layer #4	5	**29JUL13**	*29JUL13*	**02AUG13**	*02AUG13*	17	**13,329.60**		0.00
1305-7800	Apply groundwrap insulation	1	**05AUG13**	*05AUG13*	**05AUG13**	*05AUG13*	17	**1,777.28**		0.00
1305-7900	Mount OH mold around coil	5	**06AUG13**	*06AUG13*	**12AUG13**	*12AUG13*	17	**17,772.80**		0.00



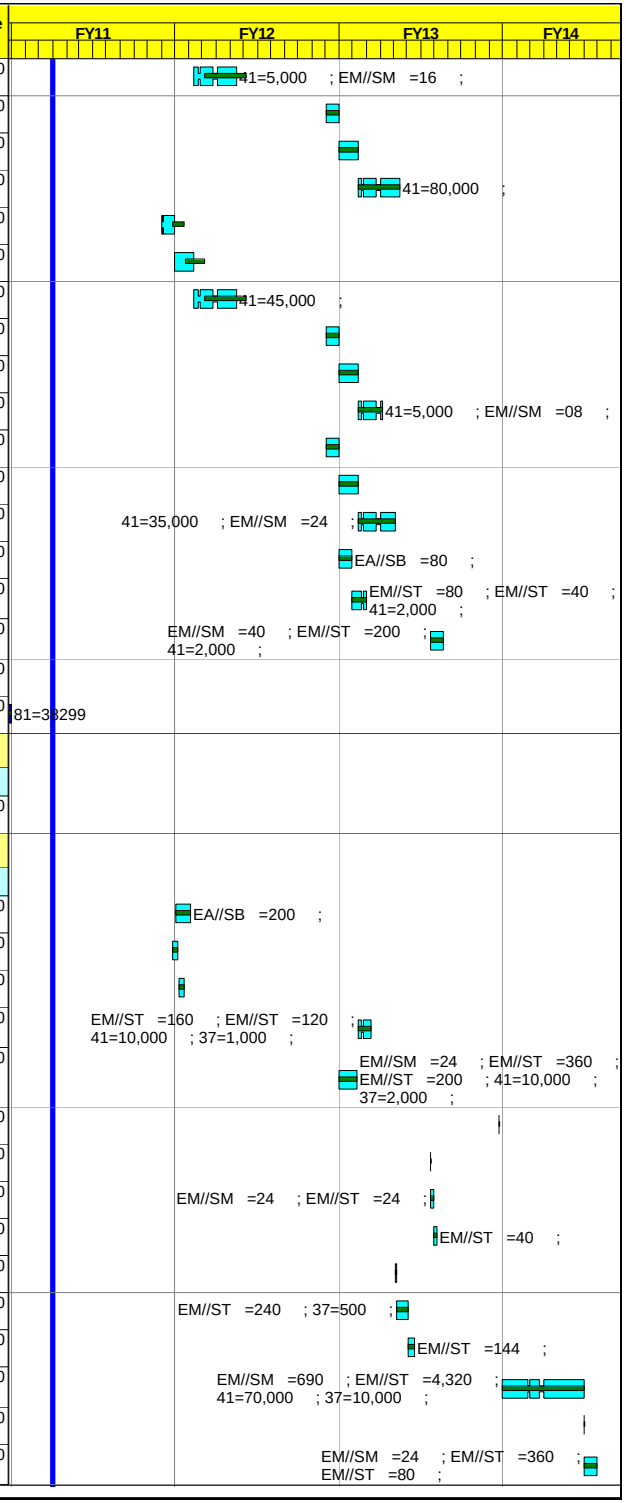
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1305-8000	Prepare VPI operation	3	**13AUG13**	*13AUG13*	**15AUG13**	*15AUG13*	17	**10,663.68**		0.00
1305-8100	VPI- mold	2	**16AUG13**	*16AUG13*	**19AUG13**	*19AUG13*	17	**7,109.12**		0.00
1305-8200	Cure VPI'd coil	8	**20AUG13**	*20AUG13*	**29AUG13**	*29AUG13*	17	**7,109.12**		0.00
1305-8300	Remove mold from OH coil	1	**30AUG13**	*30AUG13*	**30AUG13**	*30AUG13*	17	**3,554.56**		0.00
1305-8400	Cleanup OH coil	2	**03SEP13**	*03SEP13*	**04SEP13**	*04SEP13*	17	**3,554.56**		0.00
1305-8500	Silverplate all electrical surfaces [OH/TF]	3	**05SEP13**	*05SEP13*	**09SEP13**	*09SEP13*	17	**2,665.92**		0.00
1305-8600	Perform Final OH electrical tests	1	**10SEP13**	*10SEP13*	**10SEP13**	*10SEP13*	17	**1,777.28**		0.00
1305-8700	Remove intermediate spacer between OH and TF bun	5	**11SEP13**	*11SEP13*	**17SEP13**	*17SEP13*	17	**13,329.60**		0.00
1305-8800	Perform hydrostat and flow tests- OH/TF coils	3	**18SEP13**	*18SEP13*	**20SEP13**	*20SEP13*	17	**5,331.84**		0.00
1305-8900	Transport to CS assembly station	1	**23SEP13**	*23SEP13*	**23SEP13**	*23SEP13*	17	**4,443.20**		0.00
OH TIG Braze Test CSU R&D Plan										
1303-000G	7.1 Layer t/LayerBraze Tst after Conductor Proc	1	**01OCT10***	*01FEB11**	**01OCT10**	*01FEB11*	80	**0.00**		0.00
OH Conductor Brazes CSU R&D Plan										
1303-000H	8.1 Inline Braze Test after Conductor Procuremnt	1	**01OCT10***	*01FEB11**	**01OCT10**	*01FEB11*	80	**0.00**		0.00
OH-TF Spacer Test CSU R&D Test										
1303-000I	9.1 Test MTRL/Process f/Manufactg to 0.1" Gap	1	**01OCT10***	*01FEB11**	**01OCT10**	*01FEB11*	80	**0.00**		0.00
FY091310	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**1,051,480.00**	**100**	1,051,480.00
FY091315	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**4,085.00**	**100**	4,085.00
FY101305	FY10 Actual Cost	85	**01JAN10A**	*01JAN10A*	**30APR10A**	*30APR10A*		**168,034.00**	**100**	168,034.00
FY101305A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**101,411.00**	**100**	101,411.00
Job: 1306 - Inner PF Coils-CHRZANOWSKI										
1306-1010	Complete Inner PF Coil Analysis	106*	**01DEC10***	*04OCT10A*	**12JAN11**	*03JAN11A*		**15,308.00**	**100**	15,308.00
1306-1020	PF Lead & Flag Analysis	129*	**30JUL10A**	*30JUL10A*	**12JAN11**	*03JAN11A*		**9,718.49**	**100**	9,718.49
1306-1030	Fatigue Assessment & DCPS	15	**13JAN11**	*03JAN11*	**02FEB11**	*21JAN11*	87	**9,184.80**		0.00
1306-1040	Calculation Write/Check/File	15	**03FEB11**	*24JAN11*	**23FEB11**	*11FEB11*	87	**9,184.80**		0.00
1306-1040A	Modeling for Inner PF	63*	**03MAY10A**	*03MAY10A*	**31AUG10A**	*31AUG10A*		**0.00**	**100**	0.00
1306-1050	Compl CAD Detail and Assembly Dwgs for Inner PF	127*	**23AUG10A**	*23AUG10A*	**28FEB11**	*28FEB11*	10	**51,055.48**	**85**	43,397.16
1306-1055	Inner PF Bundle - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
1306-1060	Prepare for FDR	66*	**01MAR11**	*01MAR11*	**14MAR11**	*01JUN11*	10	**2,997.84**		0.00
1306-2010	Generate SOW for Inner PF Conductor	10	**10OCT11***	*10OCT11**	**21OCT11**	*21OCT11*	179	**0.00**		0.00
1306-2020	Prep Spec for Inner PF Conductor	5	**24OCT11**	*24OCT11*	**28OCT11**	*28OCT11*	179	**0.00**		0.00
1306-2030	Bid/Award - Inner PF Conductor	30	**31OCT11**	*31OCT11*	**13DEC11**	*13DEC11*	179	**0.00**		0.00
1306-2050	Fab & Deliver Inner PF Conductor	70	**14DEC11**	*14DEC11*	**28MAR12**	*28MAR12*	179	**59,856.00**		0.00
1306-3010	Prep Req for Kapton/Glass Insulation	10	**03OCT11***	*03OCT11**	**14OCT11**	*14OCT11*	209	**0.00**		0.00
1306-3020	Bid/Award Kapton/Glass Insulation	30	**17OCT11**	*17OCT11*	**29NOV11**	*29NOV11*	209	**1,380.64**		0.00
1306-3030	Fab & Deliver Kapton/Glass Insulation	50	**30NOV11**	*30NOV11*	**15FEB12**	*15FEB12*	209	**28,906.44**		0.00
1306-4010	Prep SOW for SS Supp for PF1A/B Coils	20	**03OCT11***	*03OCT11**	**28OCT11**	*28OCT11*	169	**0.00**		0.00
1306-4020	Bid/Award SS Supp for PF1A/B	30	**31OCT11**	*31OCT11*	**13DEC11**	*13DEC11*	169	**0.00**		0.00



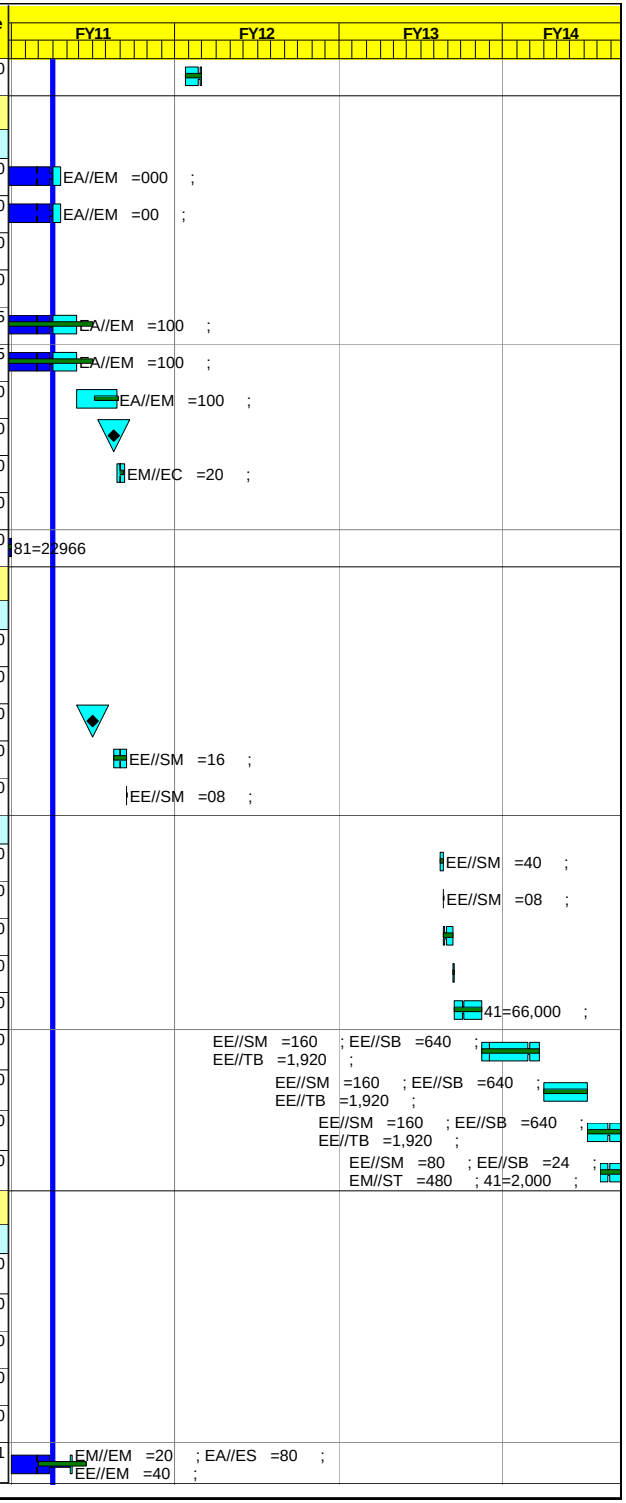
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1306-4030	Fab & Deliver SS Supp for PF1A/B	80	**14DEC11**	*14DEC11*	**11APR12**	*11APR12*	169	**138,483.20**		0.00
1306-5010	Generate SOW & Spec for Inner PF Coil Fab	15	**02APR12***	*02APR12**	**20APR12**	*20APR12*	127	**0.00**		0.00
1306-5020	Prep Req for Inner PF Fabrication	5	**23APR12**	*23APR12*	**27APR12**	*27APR12*	127	**0.00**		0.00
1306-5030	Bid/Award Inner PF Fabrication	30	**30APR12**	*30APR12*	**11JUN12**	*11JUN12*	127	**0.00**		0.00
1306-5050	Fab & Deliver Inner PF Coils	200	**02JUL12***	*02JUL12**	**22APR13**	*22APR13*	113	**264,841.80**		0.00
FY101306	FY10 Actual Cost	100	**01DEC09A**	*01DEC09A*	**30APR10A**	*30APR10A*		**57,253.00**	**100**	57,253.00
FY101306A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**20,513.00**	**100**	20,513.00
Job: 1307 - CS Casing Assembly -CHRZANOWSKI										
1307-1010	Complete CAD Detail & Assy Drawings (Prelim)	104	**03MAY10A**	*03MAY10A*	**31AUG10A**	*31AUG10A*		**0.00**	**100**	0.00
1307-1010A	Complete CAD Detail & Assy Drawings (Final)	48	**01FEB11***	*01FEB11**	**07APR11**	*07APR11*	10	**29,478.76**		0.00
1307-1020	Complete Bellow & Ceramic Break Analysis	148*	**24JUN10A**	*24JUN10A*	**31JAN11**	*31JAN11*	1	**10,968.05**	**82**	8,993.80
1307-1030	Complete Halo Loading	133*	**16JUL10A**	*16JUL10A*	**31JAN11**	*31JAN11*	1	**14,726.12**	**82**	13,253.51
1307-1040	Complete-Maintain Heat Balance Cooling Calcs	113*	**13AUG10A**	*13AUG10A*	**31JAN11**	*31JAN11*	1	**14,904.34**	**82**	12,221.56
1307-1050	Integrate Thermal, Halo, Dsir Loads into Calcs	78*	**01FEB11**	*04OCT10A*	**28FEB11**	*31JAN11*	1	**15,414.40**	**82**	12,639.81
1307-1060	Fatigue Assessments	25*	**01MAR11**	*20DEC10A*	**07MAR11**	*31JAN11*	58	**3,853.60**	**82**	3,159.95
1307-1150	Prepare for FDR	38*	**08APR11**	*08APR11*	**15APR11**	*01JUN11*	10	**2,997.84**		0.00
1307-1155	CS Casing Assembly - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
1307-2010	Prep CS Casing SOW & Requisition	20	**03JAN12***	*03JAN12**	**30JAN12**	*30JAN12*	221	**0.00**		0.00
1307-2020	Bid/Award CS Casing Contract	30	**31JAN12**	*31JAN12*	**12MAR12**	*12MAR12*	221	**2,580.00**		0.00
1307-2030	Fabricate CS Casing	150	**25JUN12***	*25JUN12**	**04FEB13**	*04FEB13*	148	**307,031.33**		0.00
1307-2040	Spec/Requisition Inconel Bellows	20	**03OCT11***	*03OCT11**	**28OCT11**	*28OCT11*	219	**0.00**		0.00
1307-2050	Bid/Award Inconel Bellows	30	**31OCT11**	*31OCT11*	**13DEC11**	*13DEC11*	219	**0.00**		0.00
1307-2060	Fab & Deliver Inconel Bellows	60	**14DEC11**	*14DEC11*	**14MAR12**	*14MAR12*	219	**45,150.00**		0.00
1307-2070	Spec/Requisition Rotatable Flanges	20	**04SEP12***	*04SEP12**	**01OCT12**	*01OCT12*	291	**0.00**		0.00
1307-2080	Bid/Award Rotatable Flanges	30	**02OCT12**	*02OCT12*	**12NOV12**	*12NOV12*	291	**0.00**		0.00
1307-2090	Fab & Deliver Rotatable Flanges	60	**01OCT13***	*01OCT13**	**06JAN14**	*06JAN14*	74	**23,085.00**		0.00
1307-2100	Spec/Requisition CHI Copper Leads U&L	20	**01AUG12***	*01AUG12**	**28AUG12**	*28AUG12*	193	**0.00**		0.00
1307-2110	Bid/Award CHI Copper Leads	30	**29AUG12**	*29AUG12*	**10OCT12**	*10OCT12*	193	**0.00**		0.00
1307-2120	Fab & Deliver CHI copper Leads U&L	60	**11OCT12**	*11OCT12*	**15JAN13**	*15JAN13*	193	**21,120.00**		0.00
1307-2130	Spec/Requisition CS Casing Support Structure	20	**04SEP12***	*04SEP12**	**01OCT12**	*01OCT12*	261	**0.00**		0.00
1307-2140	Bid/Award CS Casing Support Structure	30	**02OCT12**	*02OCT12*	**12NOV12**	*12NOV12*	261	**0.00**		0.00
1307-2150	Fab & Deliver CS Casing Support Structure	80	**13NOV12**	*13NOV12*	**15MAR13**	*15MAR13*	261	**39,600.00**		0.00
1307-2160	Spec/Requisition Weld Material	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	240	**0.00**		0.00
1307-2170	Bid/Award Weld Material	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	240	**0.00**		0.00
1307-2180	Fab & Deliver Weld Material	60	**07DEC11**	*11NOV11*	**07MAR12**	*14FEB12*	240	**7,830.64**		0.00
1307-2190	Spec/Requisition Misc M&S	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	240	**0.00**		0.00
1307-2200	Bid/Award Misc M&S	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	240	**0.00**		0.00



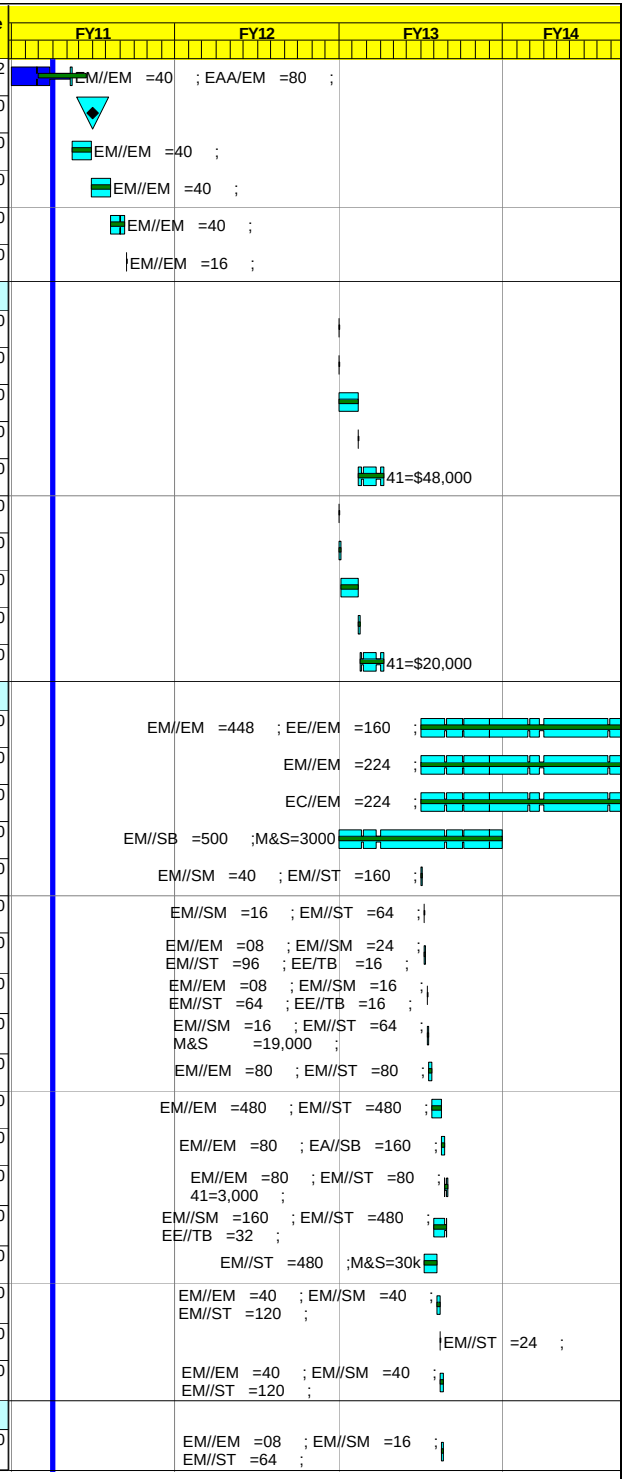
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1307-2210	Fab & deliver Misc M&S	60	**07DEC11**	*11NOV11*	**07MAR12**	*14FEB12*	240	**9,211.28**		0.00
1307-2220	Spec/requisition Ceramic Insulators	20	**04SEP12***	*04SEP12**	**01OCT12**	*01OCT12*	291	**0.00**		0.00
1307-2230	Bid/Award Creamic Insulators	30	**02OCT12**	*02OCT12*	**12NOV12**	*12NOV12*	291	**0.00**		0.00
1307-2240	Fab & Deliver Ceramic Insulators	60	**13NOV12**	*13NOV12*	**15FEB13**	*15FEB13*	291	**105,600.00**		0.00
1307-2250	Spec/Requisition CB SS Structure	20	**26SEP11***	*01SEP11**	**21OCT11**	*29SEP11*	210	**0.00**		0.00
1307-2260	Bid/Award CB SS Structure	30	**24OCT11**	*30SEP11*	**06DEC11**	*10NOV11*	210	**0.00**		0.00
1307-2270	Fab & Deliver CB SS Structure	60	**07DEC11**	*11NOV11*	**07MAR12**	*14FEB12*	210	**58,050.00**		0.00
1307-2280	30Spec/Requisition Viton O Rings	20	**04SEP12***	*04SEP12**	**01OCT12**	*01OCT12*	321	**0.00**		0.00
1307-2290	Bid/Award Viton O Rings	30	**02OCT12**	*02OCT12*	**12NOV12**	*12NOV12*	321	**0.00**		0.00
1307-2300	Fab & Deliver Viton O Rings	30	**13NOV12**	*13NOV12*	**04JAN13**	*04JAN13*	321	**8,012.64**		0.00
1307-2310	Spec/Requisition Organ Pipe Adapters & Feedthrus	20	**04SEP12***	*04SEP12**	**01OCT12**	*01OCT12*	180	**0.00**		0.00
1307-2320	Bid/Award Organ Pipe Adapters & Feedthrus	30	**02OCT12**	*02OCT12*	**12NOV12**	*12NOV12*	180	**0.00**		0.00
1307-2330	Fab & Deliver Organ Pipe Adapters & Feedthrus	50	**13NOV12**	*13NOV12*	**01FEB13**	*01FEB13*	180	**50,437.92**		0.00
1307-2340	Design Stud Installation Fixture	20	**03OCT12***	*03OCT12**	**30OCT12**	*30OCT12*	219	**11,188.80**		0.00
1307-2350	Fabricate Fixture for Stud Installation	20	**31OCT12**	*31OCT12*	**29NOV12**	*29NOV12*	219	**15,969.60**		0.00
1307-3010	Assemble & Test Ceramic Breaks incl PF1C Coil	20	**23APR13**	*23APR13*	**20MAY13**	*20MAY13*	225	**31,919.20**		0.00
FY101307	FY10 Actual Cost	100	**01DEC09A**	*01DEC09A*	**30APR10A**	*30APR10A*		**55,426.00**	**100**	55,426.00
FY101307A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**19,421.00**	**100**	19,421.00
Job: 1310 - CSU Magnet Systems-CHRZANOWSKI										
FY101310	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30APR10A**	*30APR10A*		**441,918.00**	**100**	441,918.00
Job: 1302 - Center Stack Assembly-CHRZANOWSKI										
1302-0050	CAD Support for Setup of CS Assembly Area	25	**03OCT11***	*03OCT11**	**04NOV11**	*04NOV11*	404	**27,396.00**		0.00
1302-0060	Generate CS Assembly Procedure	10	**26SEP11**	*26SEP11**	**07OCT11**	*07OCT11*	389	**0.00**		0.00
1302-0070	Generate CS Installation Procedure	10	**10OCT11**	*10OCT11*	**21OCT11**	*21OCT11*	389	**0.00**		0.00
1302-0080	Modify CS Assembly Fixture	20	**12NOV12**	*12NOV12*	**11DEC12**	*11DEC12*	180	**45,302.40**		0.00
1302-0090	Setup CS Assembly Area	30	**01OCT12***	*01OCT12**	**09NOV12**	*09NOV12*	180	**81,642.72**		0.00
1302-0150	Receive OH/TF Assembly	1	**24SEP13**	*24SEP13*	**24SEP13**	*24SEP13*	17	**0.00**		0.00
1302-0160	Receive Inner PF Coils	1	**23APR13***	*23APR13**	**23APR13**	*23APR13*	113	**0.00**		0.00
1302-0170	Perf Accept Elect & Hydr test on PF Coils	5	**24APR13**	*24APR13*	**30APR13**	*30APR13*	113	**6,903.84**		0.00
1302-0180	Wrap PF1A Coil with Microtherm	5	**01MAY13**	*01MAY13*	**07MAY13**	*07MAY13*	113	**4,443.20**		0.00
1302-0200	Receive CS Vacuum Casing	1	**05FEB13**	*05FEB13*	**05FEB13**	*05FEB13*	148	**0.00**		0.00
1302-0210	Install Inconel Weld Studs on Casing Wall	20	**06FEB13**	*06FEB13*	**05MAR13**	*05MAR13*	148	**27,159.20**		0.00
1302-0220	Mount Upper & Lower PF1B Coils to CS Casing	10	**06MAR13**	*06MAR13*	**19MAR13**	*19MAR13*	148	**15,995.52**		0.00
1302-1500	Assemble CS (OH Diag, Microtherm, Casing PFCs)	120	**01OCT13***	*01OCT13**	**31MAR14**	*31MAR14*	13	**726,313.00**		0.00
1302-1550	Deliver CS to NTC	1	**01APR14**	*01APR14*	**01APR14**	*01APR14*	13	**0.00**		0.00
1302-1600	Tear Down Assembly Area	20	**01APR14**	*01APR14*	**28APR14**	*28APR14*	108	**54,901.92**		0.00



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
1305-0200	Analysis of Mfg Tooling & CS Support Fixture	25	**24OCT11***	*24OCT11**	**29NOV11**	*29NOV11*	389	**0.00**		0.00
Job: 2300 - Other Analysis-TITUS										
2300-0011	Run Other GRD disruptions for the HHFW antenna	155*	**01JUN10A**	*01JUN10A*	**31AUG10A**	*17JAN11*	4	**0.00**	**50**	0.00
2300-0012	Updat HHFW Antenna	155*	**01JUN10A**	*01JUN10A*	**31AUG10A**	*17JAN11*	4	**0.00**	**50**	0.00
2300-0013	Maintain/Update Diagnostic Database	66	**01JUN10A**	*01JUN10A*	**31AUG10A**	*31AUG10A*		**0.00**	**100**	0.00
2300-0014	File Preliminary Database/Study	66	**01JUN10A**	*01JUN10A*	**31AUG10A**	*31AUG10A*		**0.00**	**100**	0.00
2300-0015	Check/Complete Disruption and Thermal Analyses	117*	**01SEP10A**	*01SEP10A*	**01APR11**	*23FEB11*	4	**18,958.98**	**15**	2,843.85
2300-0016	Present/track recommentdations	117*	**01SEP10A**	*01SEP10A*	**01APR11**	*23FEB11*	4	**18,958.98**	**5**	947.95
2300-0018	FDR Prep	65	**04APR11**	*24FEB11*	**27MAY11**	*25MAY11*	4	**19,268.00**		0.00
2300-0018A	Other Analysis - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
2300-0019	CONDUCT FDR	10	**31MAY11**	*26MAY11*	**06JUN11**	*09JUN11**	4	**3,853.60**		0.00
FY102300	FY10 Actual Cost	22	**01APR10A**	*01APR10A*	**30APR10A**	*30APR10A*		**3,904.00**	**100**	3,904.00
FY102300A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**19,255.00**	**100**	19,255.00
Job: 2420 - 2nd NBI Sources-CROPPER										
Design										
24200020	PDR Prep PPL	26	**17MAY10A**	*17MAY10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
24200050	CONDUCT PDR	1	**23JUN10A**	*23JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
24200059	Peer Review	0			**31MAR11**	*31MAR11*	53	**0.00**		0.00
24200060	FDR Prep PPL	20	**17MAY11**	*16MAY11**	**14JUN11**	*13JUN11*	1	**2,485.12**		0.00
24200090	CONDUCT FDR	1	**15JUN11**	*14JUN11*	**15JUN11**	*14JUN11*	1	**1,242.56**		0.00
Procure, Fab & Assembly										
24200100	Prep Requisition and procurement package	5	**15MAY13***	*15MAY13**	**21MAY13**	*21MAY13*	20	**6,956.40**		0.00
24200110	SUBMIT REQ TO PROCUREMENT	1	**22MAY13**	*22MAY13*	**22MAY13**	*22MAY13*	20	**1,391.28**		0.00
24200120	Procurement lead time (1)	15	**23MAY13**	*23MAY13*	**13JUN13**	*13JUN13*	20	**0.00**		0.00
24200130	AWARD	1	**14JUN13**	*14JUN13*	**14JUN13**	*14JUN13*	20	**0.00**		0.00
24200150	Fabricate or delivery	40	**17JUN13**	*17JUN13*	**13AUG13**	*13AUG13*	20	**87,120.00**		0.00
24200160	Refurbish Source A	90	**14AUG13**	*14AUG13*	**20DEC13**	*20DEC13*	20	**303,972.96**		0.00
24200170	Refurbish Source B	70	**02JAN14**	*02JAN14*	**09APR14**	*09APR14*	20	**307,667.20**		0.00
24200180	Refurbish Source C	80	**10APR14**	*10APR14*	**01AUG14**	*01AUG14*	20	**307,667.20**		0.00
24200200	Build Probe tips (10 Long, 20 short)	60	**08MAY14**	*08MAY14*	**01AUG14**	*01AUG14*	41	**75,669.68**		0.00
Job: 2425 - BL Relocation-DENAULT										
Design										
2425-0017	Design Drawings	24	**03MAY10A**	*03MAY10A*	**04JUN10A**	*04JUN10A*		**0.00**	**100**	0.00
2425-0018	PDR Prep	11	**07JUN10A**	*07JUN10A*	**21JUN10A**	*21JUN10A*		**0.00**	**100**	0.00
2425-0019	CONDUCT PDR	2	**22JUN10A**	*22JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
2425-0020	Layman Review	5	**10AUG10A**	*10AUG10A*	**16AUG10A**	*16AUG10A*		**0.00**	**100**	0.00
2425-0023	Disposition PDR Chits	2	**24JUN10A**	*24JUN10A*	**25JUN10A**	*25JUN10A*		**0.00**	**100**	0.00
2425-0024	Design Drawings	89*	**01DEC10***	*01OCT10A*	**16MAR11**	*14FEB11*	1	**17,041.40**	**15**	2,556.21

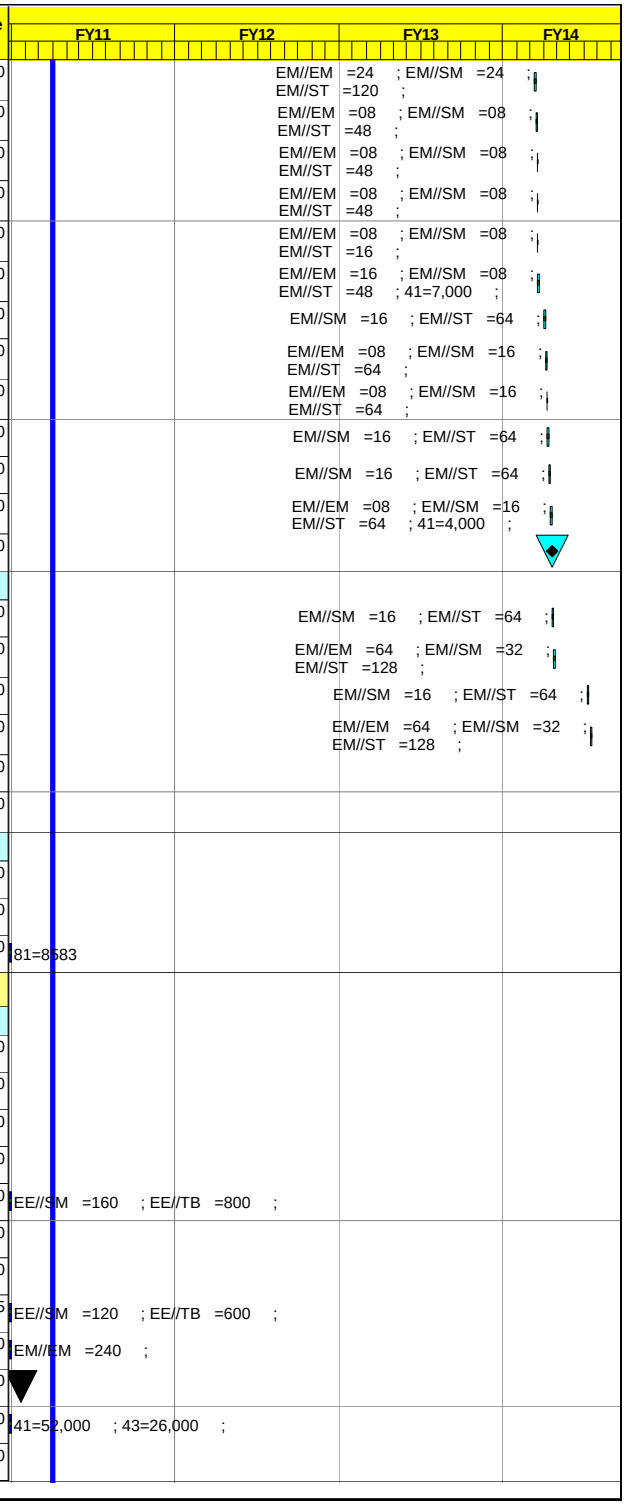


Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
2425-0025	Update Analyses	89*	**01DEC10***	*01OCT10A*	**16MAR11**	*14FEB11*	1	**21,742.80**	**15**	3,261.42
2425-0027A	Peer Review	0			**31MAR11**	*31MAR11*	53	**0.00**		0.00
2425-0026	Update Cost & Schedule Estimate	30	**15FEB11***	*15FEB11*	**28MAR11**	*28MAR11*	1	**6,328.40**		0.00
2425-0027	Prep Procurement Specs	30	**29MAR11**	*29MAR11*	**09MAY11**	*09MAY11*	1	**6,328.40**		0.00
2425-0028	FDR Prep	23	**10MAY11**	*10MAY11*	**10JUN11**	*10JUN11*	1	**6,328.40**		0.00
2425-0029	CONDUCT FDR 2425	2	**13JUN11**	*13JUN11*	**14JUN11**	*14JUN11*	1	**2,531.36**		0.00
Procure, Fab & Assembly										
2425-0033	Prep Requisitn and procuremt pckg-Steel & Parts	1	**01OCT12***	*01OCT12**	**01OCT12**	*01OCT12*	162	**0.00**		0.00
2425-0034	SUBMIT REQ TO PROCUREMENT - Steel and Parts	1	**02OCT12**	*02OCT12*	**02OCT12**	*02OCT12*	162	**0.00**		0.00
2425-0035	Procurement lead time (1) - Steel and Parts	30	**03OCT12**	*03OCT12*	**13NOV12**	*13NOV12*	162	**0.00**		0.00
2425-0036	AWARD - Steel and Parts	1	**14NOV12**	*14NOV12*	**14NOV12**	*14NOV12*	162	**0.00**		0.00
2425-0037	Fabricate or delivery - Steel and Parts	30	**15NOV12**	*15NOV12*	**08JAN13**	*08JAN13*	162	**63,360.00**		0.00
2425-0039	Prep Requisition and procurement pckg - Lifting	2	**01OCT12***	*01OCT12**	**02OCT12**	*02OCT12*	173	**0.00**		0.00
2425-0040	SUBMIT REQ TO PROCUREMENT - Lifting Equipment	1	**03OCT12**	*03OCT12*	**03OCT12**	*03OCT12*	173	**0.00**		0.00
2425-0041	Procurement lead time (1) - Lifting Equipment	30	**04OCT12**	*04OCT12*	**14NOV12**	*14NOV12*	173	**0.00**		0.00
2425-0042	AWARD - Lifting Equipment	1	**15NOV12**	*15NOV12*	**15NOV12**	*15NOV12*	173	**0.00**		0.00
2425-0043	Fabricate or delivery - Lifting Equipment	30	**16NOV12**	*16NOV12*	**09JAN13**	*09JAN13*	173	**26,400.00**		0.00
Installation										
2425-0055	Engineering 1 Days Per Week title III	325	**02APR13***	*02APR13**	**22JUL14**	*22JUL14*	30	**112,618.48**		0.00
2425-0056	Engineering Support .Days Per Weektitle III	325	**02APR13**	*02APR13*	**22JUL14**	*22JUL14*	30	**40,502.30**		0.00
2425-0057	Drafting Support .5 day/week title III	325	**02APR13**	*02APR13*	**22JUL14**	*22JUL14*	30	**34,285.56**		0.00
2425-0058	Test Cell Maintenance	248	**01OCT12***	*01OCT12**	**30SEP13**	*30SEP13*	229	**71,675.00**		0.00
2425-0060	Road - Path	5	**01APR13***	*01APR13**	**05APR13**	*05APR13*	104	**24,836.00**		0.00
2425-0061	Duct Removal - Path	2	**08APR13**	*08APR13*	**09APR13**	*09APR13*	104	**9,934.40**		0.00
2425-0062	Lintel Removal - Path	3	**10APR13**	*10APR13*	**12APR13**	*12APR13*	104	**17,822.56**		0.00
2425-0063	Lintel Install - Path	2	**15APR13**	*15APR13*	**16APR13**	*16APR13*	104	**12,855.36**		0.00
2425-0064	Duct Install - Path	2	**17APR13**	*17APR13*	**18APR13**	*18APR13*	104	**35,014.40**		0.00
2425-0068	Setup - Metrology	5	**19APR13**	*19APR13*	**25APR13**	*25APR13*	104	**23,057.60**		0.00
2425-0069	Measure - Metrology	15	**26APR13**	*26APR13*	**16MAY13**	*16MAY13*	104	**138,345.60**		0.00
2425-0070	Model - Metrology	5	**17MAY13**	*17MAY13*	**23MAY13**	*23MAY13*	104	**36,548.80**		0.00
2425-0071	Lay out - Metrology	5	**24MAY13**	*24MAY13*	**31MAY13**	*31MAY13*	104	**27,017.60**		0.00
2425-0073	Labyrinth Removal	20	**01MAY13***	*01MAY13**	**29MAY13**	*29MAY13*	105	**84,578.88**		0.00
2425-0076	Construction - Lift Fixtures	20	**09APR13***	*09APR13**	**06MAY13**	*06MAY13*	110	**92,918.40**		0.00
2425-0077	Load Test - Lift Fixtures	5	**07MAY13**	*07MAY13*	**13MAY13**	*13MAY13*	110	**27,478.40**		0.00
2425-0078	Move - Lift Fixtures	1	**14MAY13**	*14MAY13*	**14MAY13**	*14MAY13*	110	**2,665.92**		0.00
2425-0079	Trial Runs - Lift Fixtures	5	**15MAY13**	*15MAY13*	**21MAY13**	*21MAY13*	110	**27,478.40**		0.00
Relocate HVE										
2425-0123	Move - HVE 1 Movement	2	**20MAY13***	*20MAY13**	**21MAY13**	*21MAY13*	68	**11,351.52**		0.00

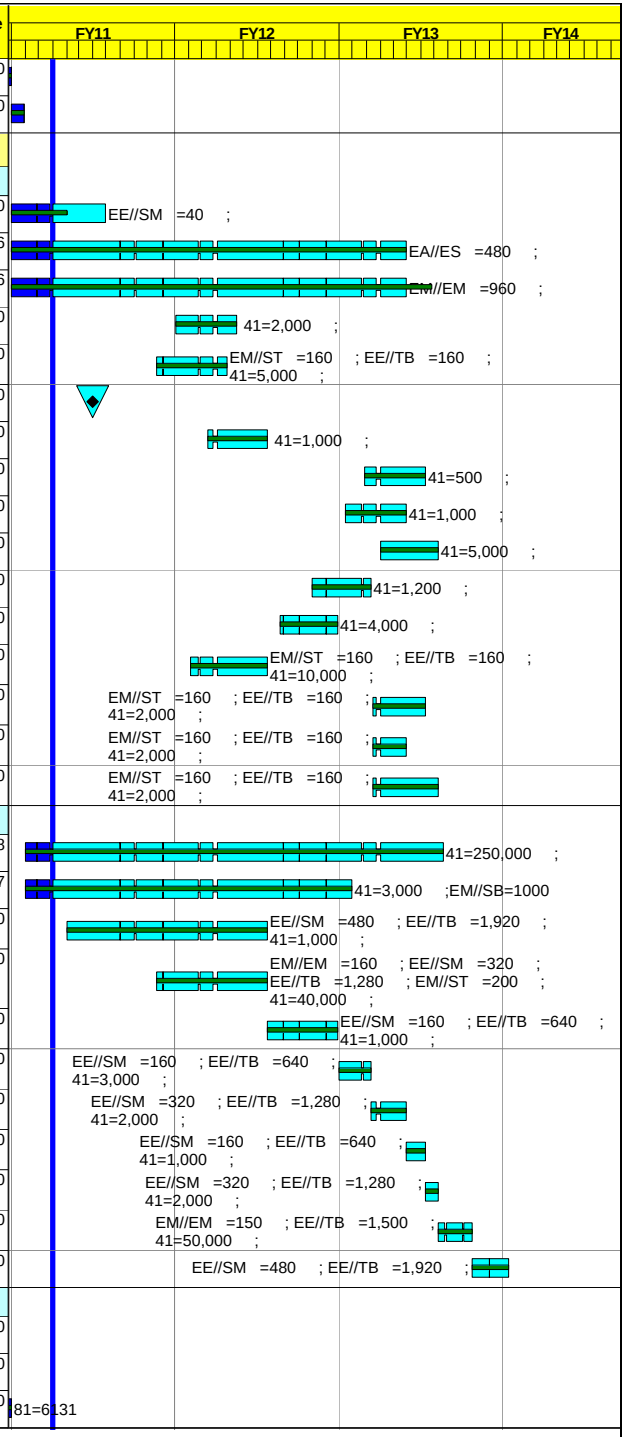


Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)	FY11 / FY12 / FY13 / FY14
2425-0124	Disassemble - HVE 1 Movement	2	**22MAY13**	*22MAY13*	**23MAY13**	*23MAY13*	68	**9,934.40**		0.00	EM//SM =16 ; EM//ST =64 ;
2425-0125	Move to Crain Access - HVE 1 Movement	2	**24MAY13**	*24MAY13*	**28MAY13**	*28MAY13*	68	**9,934.40**		0.00	EM//SM =16 ; EM//ST =64 ;
2425-0126	Lift into TFTR - HVE 1 Movement	1	**29MAY13**	*29MAY13*	**29MAY13**	*29MAY13*	68	**4,967.20**		0.00	EM//SM =08 ; EM//ST =32 ;
2425-0127	Move In - HVE 1 Movement	1	**30MAY13**	*30MAY13*	**30MAY13**	*30MAY13*	68	**4,967.20**		0.00	EM//SM =08 ; EM//ST =32 ;
2425-0128	Over Wall - HVE 1 Movement	2	**31MAY13**	*31MAY13*	**03JUN13**	*03JUN13*	68	**11,711.68**		0.00	EM//SM =16 ; EM//ST =80 ;
2425-0129	Reassemble - HVE 1 Movement	2	**04JUN13**	*04JUN13*	**05JUN13**	*05JUN13*	68	**9,934.40**		0.00	EM//SM =16 ; EM//ST =64 ;
2425-0130	Placement - HVE 1 Movement	3	**06JUN13**	*06JUN13*	**10JUN13**	*10JUN13*	68	**16,221.60**		0.00	EM//SM =24 ; EM//ST =96 ; 41=1,000 ;
2425-0133	Move - HVE 2 Movement	2	**11JUN13**	*11JUN13*	**12JUN13**	*12JUN13*	68	**11,351.52**		0.00	EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;
2425-0134	Disassemble - HVE 2 Movement	2	**13JUN13**	*13JUN13*	**14JUN13**	*14JUN13*	68	**9,934.40**		0.00	EM//SM =16 ; EM//ST =64 ;
2425-0135	Move to Crain Access - HVE 2 Movement	2	**17JUN13**	*17JUN13*	**18JUN13**	*18JUN13*	68	**9,934.40**		0.00	EM//SM =16 ; EM//ST =64 ;
2425-0136	Lift into TFTR - HVE 2 Movement	1	**19JUN13**	*19JUN13*	**19JUN13**	*19JUN13*	68	**4,967.20**		0.00	EM//SM =08 ; EM//ST =32 ;
2425-0137	Move In - HVE 2 Movement	1	**20JUN13**	*20JUN13*	**20JUN13**	*20JUN13*	68	**4,967.20**		0.00	EM//SM =08 ; EM//ST =32 ;
2425-0138	Over Wall - HVE 2 Movement	2	**21JUN13**	*21JUN13*	**24JUN13**	*24JUN13*	68	**11,711.68**		0.00	EM//SM =16 ; EM//ST =80 ;
2425-0139	Reassemble - HVE 2 Movement	2	**25JUN13**	*25JUN13*	**26JUN13**	*26JUN13*	68	**9,934.40**		0.00	EM//SM =16 ; EM//ST =64 ;
2425-0140	Placement - HVE 2 Movement	3	**27JUN13**	*27JUN13*	**01JUL13**	*01JUL13*	68	**16,221.60**		0.00	EM//SM =24 ; EM//ST =96 ; 41=1,000 ;
2425-0143	Move - HVE 3 Movement	2	**02JUL13**	*02JUL13*	**03JUL13**	*03JUL13*	68	**11,351.52**		0.00	EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;
2425-0144	Disassemble - HVE 3 Movement	2	**08JUL13**	*08JUL13*	**09JUL13**	*09JUL13*	68	**9,934.40**		0.00	EM//SM =16 ; EM//ST =64 ;
2425-0145	Move to Crain Access - HVE 3 Movement	2	**10JUL13**	*10JUL13*	**11JUL13**	*11JUL13*	68	**9,934.40**		0.00	EM//SM =16 ; EM//ST =64 ;
2425-0146	Lift into TFTR - HVE 3 Movement	1	**12JUL13**	*12JUL13*	**12JUL13**	*12JUL13*	68	**4,967.20**		0.00	EM//SM =08 ; EM//ST =32 ;
2425-0147	Move In - HVE 3 Movement	1	**15JUL13**	*15JUL13*	**15JUL13**	*15JUL13*	68	**4,967.20**		0.00	EM//SM =08 ; EM//ST =32 ;
2425-0148	Over Wall - HVE 3 Movement	2	**16JUL13**	*16JUL13*	**17JUL13**	*17JUL13*	68	**11,711.68**		0.00	EM//SM =16 ; EM//ST =80 ;
2425-0149	Reassemble - HVE 3 Movement	2	**18JUL13**	*18JUL13*	**19JUL13**	*19JUL13*	68	**9,934.40**		0.00	EM//SM =16 ; EM//ST =64 ;
2425-0150	Placement - HVE 3 Movement	3	**22JUL13**	*22JUL13*	**24JUL13**	*24JUL13*	68	**14,901.60**		0.00	EM//SM =24 ; EM//ST =836 ; 41=7,000 ;
2425-0155	Install HVE Hilti	45	**20MAY13**	*20MAY13*	**24JUL13**	*24JUL13*	68	**5,763.20**		0.00	EM//SM =0 ; EM//SB =40 ; 41=1,000 ;
2425-0160	Remove / Reinstall Floor Plug	45	**20MAY13**	*20MAY13*	**24JUL13**	*24JUL13*	68	**26,176.00**		0.00	EM//SM =0 ; EM//SB =200 ; 41=3,000 ;
Relocate Beamline **TC LIMITED ACCESS**											
2425-0081	BEGIN BEAMLINE RELOCATION TO NTC	0	**17OCT13**	*17OCT13*			8	**0.00**		0.00	
2425-0082	Lift onto Rollers - Box Movements	1	**17OCT13**	*17OCT13*	**17OCT13**	*17OCT13*	8	**34,807.04**		0.00	EM//EM =152 ; EM//SM =08 ; EM//ST =48 ;
2425-0083	Move IN - Box Movements	1	**18OCT13**	*18OCT13*	**18OCT13**	*18OCT13*	8	**8,434.88**		0.00	EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;
2425-0084	Over Wall - Box Movements	1	**21OCT13**	*21OCT13*	**21OCT13**	*21OCT13*	8	**8,434.88**		0.00	EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;
2425-0085	Placement - Box Movements	10	**22OCT13**	*22OCT13*	**04NOV13**	*04NOV13*	8	**84,348.80**		0.00	EM//EM =80 ; EM//SM =80 ; EM//ST =480 ;
2425-0086	Metrology - Box Movements	10	**05NOV13**	*05NOV13*	**18NOV13**	*18NOV13*	8	**63,800.00**		0.00	EM//EM =80 ; EM//SM =80 ; EM//ST =160 ; 41=12,000 ;
2425-0089	Off - Source Platform	1	**19NOV13***	*19NOV13**	**19NOV13**	*19NOV13*	8	**4,213.60**		0.00	EM//SM =08 ; EM//ST =24 ;
2425-0090	Move - Source Platform	1	**20NOV13**	*20NOV13*	**20NOV13**	*20NOV13*	8	**3,294.88**		0.00	EM//SM =08 ; EM//ST =16 ;
2425-0091	Lift - Source Platform	1	**21NOV13**	*21NOV13*	**21NOV13**	*21NOV13*	8	**5,132.32**		0.00	EM//SM =08 ; EM//ST =32 ;
2425-0092	On - Source Platform	1	**22NOV13**	*22NOV13*	**22NOV13**	*22NOV13*	8	**5,132.32**		0.00	EM//SM =08 ; EM//ST =32 ;
2425-0093	Metrology - Source Platform	10	**25NOV13**	*25NOV13*	**10DEC13**	*10DEC13*	8	**87,375.60**		0.00	EM//EM =160 ; EM//SM =80 ; EM//ST =320 ; 41=5,000 ;

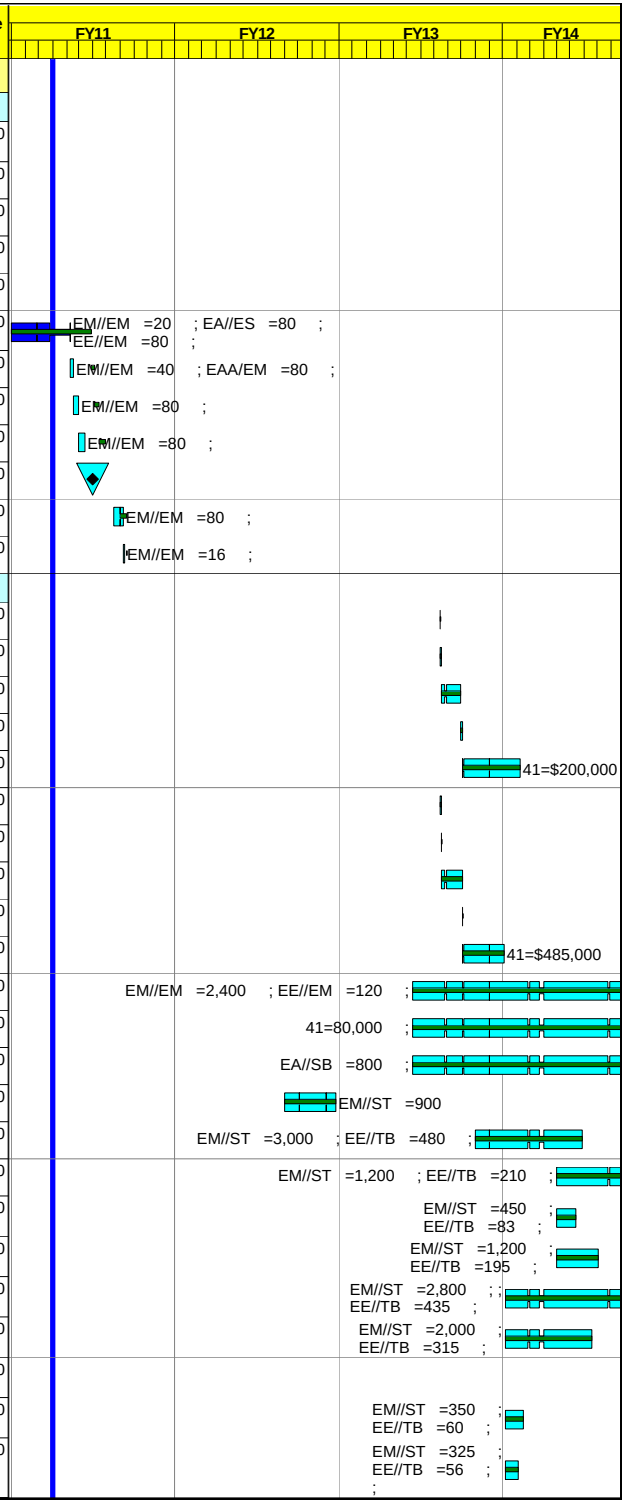
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
2425-0097	Stabilize - Lid Movement	3	**11DEC13**	*11DEC13*	**13DEC13**	*13DEC13*	8	**22,548.48**		0.00
2425-0098	Lift onto Rollers - Lid Movement	1	**16DEC13**	*16DEC13*	**16DEC13**	*16DEC13*	8	**8,434.88**		0.00
2425-0099	Move IN - Lid Movement	1	**17DEC13**	*17DEC13*	**17DEC13**	*17DEC13*	8	**8,434.88**		0.00
2425-0100	Over Wall - Lid Movement	1	**18DEC13**	*18DEC13*	**18DEC13**	*18DEC13*	8	**8,434.88**		0.00
2425-0101	Placement - Lid Movement	1	**19DEC13**	*19DEC13*	**19DEC13**	*19DEC13*	8	**4,760.00**		0.00
2425-0102	Metrology - Lid Movement	1	**20DEC13**	*20DEC13*	**20DEC13**	*20DEC13*	8	**19,350.00**		0.00
2425-0106	90in Flange - Component Movement	2	**02JAN14**	*02JAN14*	**03JAN14**	*03JAN14*	8	**10,264.64**		0.00
2425-0107	Magnet - Component Movement	2	**06JAN14**	*06JAN14*	**07JAN14**	*07JAN14*	8	**11,729.76**		0.00
2425-0108	Ion Dump - Component Movement	2	**08JAN14**	*08JAN14*	**09JAN14**	*09JAN14*	8	**11,729.76**		0.00
2425-0109	Exit Spool - Component Movement	2	**10JAN14**	*10JAN14*	**13JAN14**	*13JAN14*	8	**10,264.64**		0.00
2425-0110	TIV - Component Movement	2	**14JAN14**	*14JAN14*	**15JAN14**	*15JAN14*	8	**10,264.64**		0.00
2425-0111	Calorimeter - Component Movement	2	**16JAN14**	*16JAN14*	**17JAN14**	*17JAN14*	8	**17,129.76**		0.00
2425-0112	BEAMLINE AND COMPONENTS INSTALLED IN NTC	0			**17JAN14**	*17JAN14*	8	**0.00**		0.00
Relocate Sources										
2425-0115	Move 1 - Source Movement	2	**20JAN14**	*20JAN14*	**21JAN14**	*21JAN14*	146	**10,264.64**		0.00
2425-0116	Align 1 - Source Movement	4	**22JAN14**	*22JAN14*	**27JAN14**	*27JAN14*	146	**32,250.24**		0.00
2425-0117	Move 2 - Source Movement	2	**10APR14**	*10APR14*	**11APR14**	*11APR14*	94	**10,264.64**		0.00
2425-0118	Align 2 - Source Movement	4	**14APR14**	*14APR14*	**17APR14**	*17APR14*	94	**32,250.24**		0.00
2425-0119	Move 3 - Source Movement	2	**04AUG14**	*04AUG14*	**05AUG14**	*05AUG14*	20	**10,264.64**		0.00
2425-0120	Align 3 - Source Movement	4	**06AUG14**	*06AUG14*	**11AUG14**	*11AUG14*	20	**37,650.24**		0.00
FY092425	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**15,023.00**	**100**	15,023.00
FY102425	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30APR10A**	*30APR10A*		**19,729.00**	**100**	19,729.00
FY102435A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**6,165.00**	**100**	6,165.00
Job: 2430 - 2nd NBI Decontamination-STEVENSON										
24300230	Decon Calorimeter	30	**01OCT09A**	*01OCT09A*	**11NOV09A**	*11NOV09A*		**0.00**	**100**	0.00
24300240	Decon Ion Dump	42	**03MAY10A**	*03MAY10A*	**30JUN10A**	*30JUN10A*		**0.00**	**100**	0.00
24300260	Decon Bending Magnet	25	**26MAY10A**	*26MAY10A*	**30JUN10A**	*30JUN10A*		**0.00**	**100**	0.00
24300280	Decon 90 inch flange & neutralizer	63	**03MAY10A**	*03MAY10A*	**30JUL10A**	*30JUL10A*		**0.00**	**100**	0.00
24300300	Decon Exit Spool Piece	36*	**01SEP10A**	*01SEP10A*	**30SEP10A**	*30SEP10A*		**97,606.20**	**100**	97,606.20
24300310	Decon BL Lid	9	**18JUN10A**	*18JUN10A*	**30JUN10A**	*30JUN10A*		**0.00**	**100**	0.00
24300370	Decon BL Box	11	**13AUG10A**	*13AUG10A*	**27AUG10A**	*27AUG10A*		**0.00**	**100**	0.00
24300380	Decon BL exterior & accoutrements	49*	**13AUG10A**	*13AUG10A*	**30SEP10A**	*30SEP10A*		**68,755.45**	**100**	68,755.45
24300390	Decon Program Evaluation/Operation Impact Report	10	**01SEP10A**	*01SEP10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
24300399	DECON COMPLETE	0			**21OCT10A**	*21OCT10A*		**0.00**	**100**	0.00
24300400	Decon Procurement Support - Material & Supplies	121*	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**92,040.00**	**100**	92,040.00
FY092430	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**1,238,513.00**	**100**	1,238,513.00



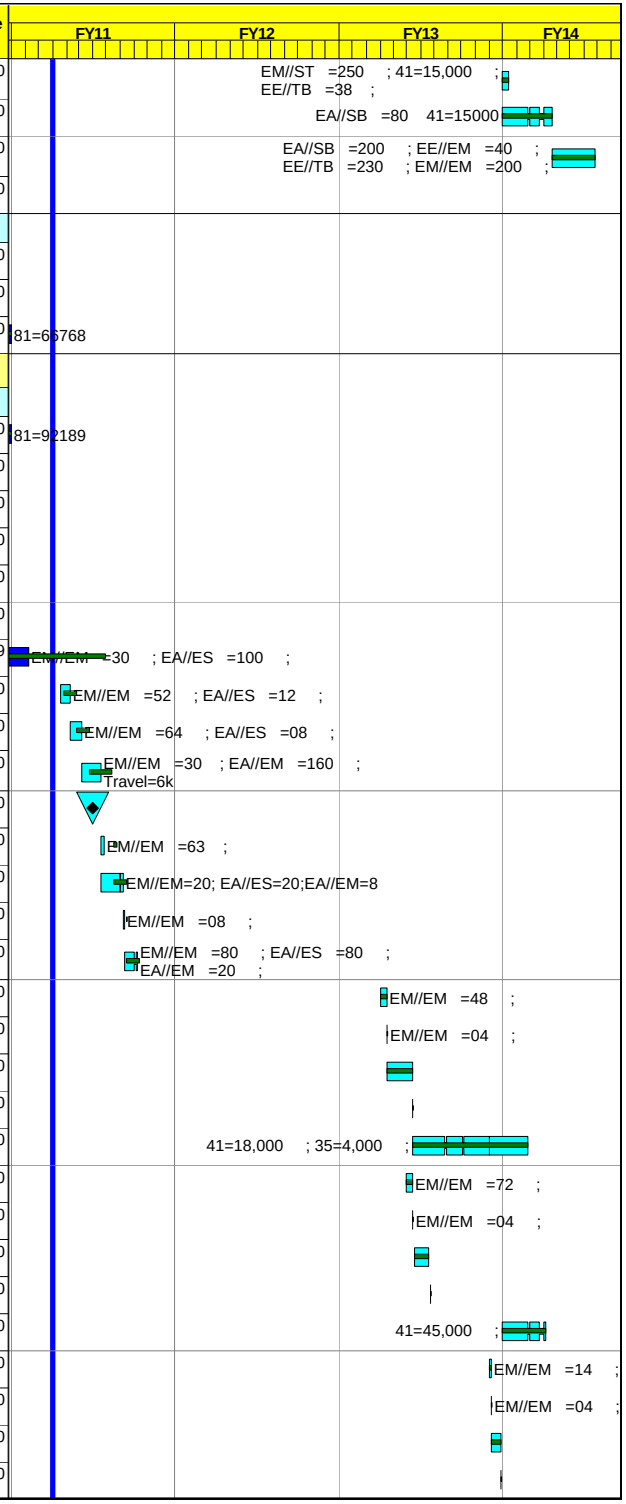
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
FY102430	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30SEP10A**	*30SEP10A*		**542,135.00**	**100**	542,135.00
FY112430	FY10 Actual Cost	143	**01OCT10A**	*01OCT10A*	**29OCT10A**	*29OCT10A*		**18,000.00**	**100**	18,000.00
Job: 2440 - 2nd NBI Beamline-DENAULT										
Procure, Fab & Assembly										
2440-0001	Begin refurbishment job parts list	143*	**01OCT10***	*01OCT10A*	**01FEB11**	*29APR11*	167	**6,212.80**	**50**	3,106.40
2440-0002	Prepare drawings	600*	**01OCT10***	*01OCT10A*	**01MAR13**	*01MAR13*	167	**44,155.30**	**20**	8,831.06
2440-0002A	Engineering Supervision (LOE)	599*	**01OCT10***	*01OCT10A*	**26APR13**	*28FEB13*	168	**161,592.38**	**LOE**	15,674.46
2440-0004	Ion Dump parts	90	**03OCT11***	*03OCT11**	**15FEB12**	*15FEB12*	57	**2,580.00**		0.00
2440-0012	Ion Dump TC wiring	103	**22AUG11***	*22AUG11**	**24JAN12**	*24JAN12*	73	**37,745.26**		0.00
2440PEER	Peer Review	0			**31MAR11**	*31MAR11*	53	**0.00**		0.00
2440-0003	Calorimeter parts	90	**13DEC11**	*13DEC11*	**24APR12**	*24APR12*	8	**1,290.00**		0.00
2440-0005	Magnet parts	90	**28NOV12**	*28NOV12*	**11APR13**	*11APR13*	8	**660.00**		0.00
2440-0006	90 inch flange and neutralizer parts	90	**15OCT12**	*15OCT12*	**28FEB13**	*28FEB13*	8	**1,320.00**		0.00
2440-0007	Exit spool piece parts	90	**04JAN13**	*04JAN13*	**09MAY13**	*09MAY13*	8	**6,600.00**		0.00
2440-0008	BL Lid parts	90	**03AUG12**	*03AUG12*	**11DEC12**	*11DEC12*	8	**1,568.00**		0.00
2440-0009	BL Box parts	90	**23MAY12**	*23MAY12*	**28SEP12**	*28SEP12*	8	**5,160.00**		0.00
2440-0011	Calorimeter TC wiring	115	**04NOV11**	*04NOV11*	**24APR12**	*24APR12*	8	**45,034.40**		0.00
2440-0013	Magnet TC wiring	78	**14DEC12**	*14DEC12*	**11APR13**	*11APR13*	8	**35,451.20**		0.00
2440-0014	90 inch flange and neutralizer TC wiring	48	**14DEC12**	*14DEC12*	**28FEB13**	*28FEB13*	8	**35,451.20**		0.00
2440-0015	Exit spool piece TC wiring (refurb & relocate)	98	**14DEC12**	*14DEC12*	**09MAY13**	*09MAY13*	8	**35,451.20**		0.00
Refurbishment										
2440-0017A	Radiation Supplies (M&S) (LOE)	635*	**01NOV10***	*01NOV10A*	**20MAY13**	*20MAY13*	111	**321,649.61**	**LOE**	18,655.68
2440-0017B	Test Cell Maintenance (LOE)	500*	**01NOV10***	*01NOV10A*	**30OCT12**	*30OCT12*	246	**131,251.04**	**LOE**	9,712.57
2440-0028	Refurbish Ion Dump	309	**01FEB11***	*01FEB11**	**23APR12**	*23APR12*	9	**280,279.91**		0.00
2440-0030	Refurbish Calorimeter	168	**22AUG11***	*22AUG11**	**24APR12**	*24APR12*	8	**269,865.06**		0.00
2440-0018	Refurbish BL Box	110	**25APR12***	*25APR12**	**28SEP12**	*28SEP12*	8	**87,454.80**		0.00
2440-0020	Refurbish BL Lid	50	**01OCT12**	*01OCT12*	**11DEC12**	*11DEC12*	8	**91,939.20**		0.00
2440-0022	Refurbish 90 inch flange and neutralizer	50	**12DEC12**	*12DEC12*	**28FEB13**	*28FEB13*	8	**178,598.40**		0.00
2440-0024	Refurbish Bending Magnet	30	**01MAR13**	*01MAR13*	**11APR13**	*11APR13*	8	**89,299.20**		0.00
2440-0026	Refurbish spool piece	20	**12APR13**	*12APR13*	**09MAY13**	*09MAY13*	8	**178,598.40**		0.00
2440-0031	Modify to New style	50	**10MAY13**	*10MAY13*	**23JUL13**	*23JUL13*	8	**233,556.00**		0.00
2440-0033	Reassembly & Test & relocate	60	**24JUL13**	*24JUL13*	**16OCT13**	*16OCT13*	8	**265,724.16**		0.00
FY092440	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**28,566.00**	**100**	28,566.00
FY102440	FY10 Actual Cost	100	**01DEC09A**	*01DEC09A*	**30APR10A**	*30APR10A*		**5,908.00**	**100**	5,908.00
FY102440A	FY10 Actual Cost	1	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**6,131.00**	**100**	6,131.00



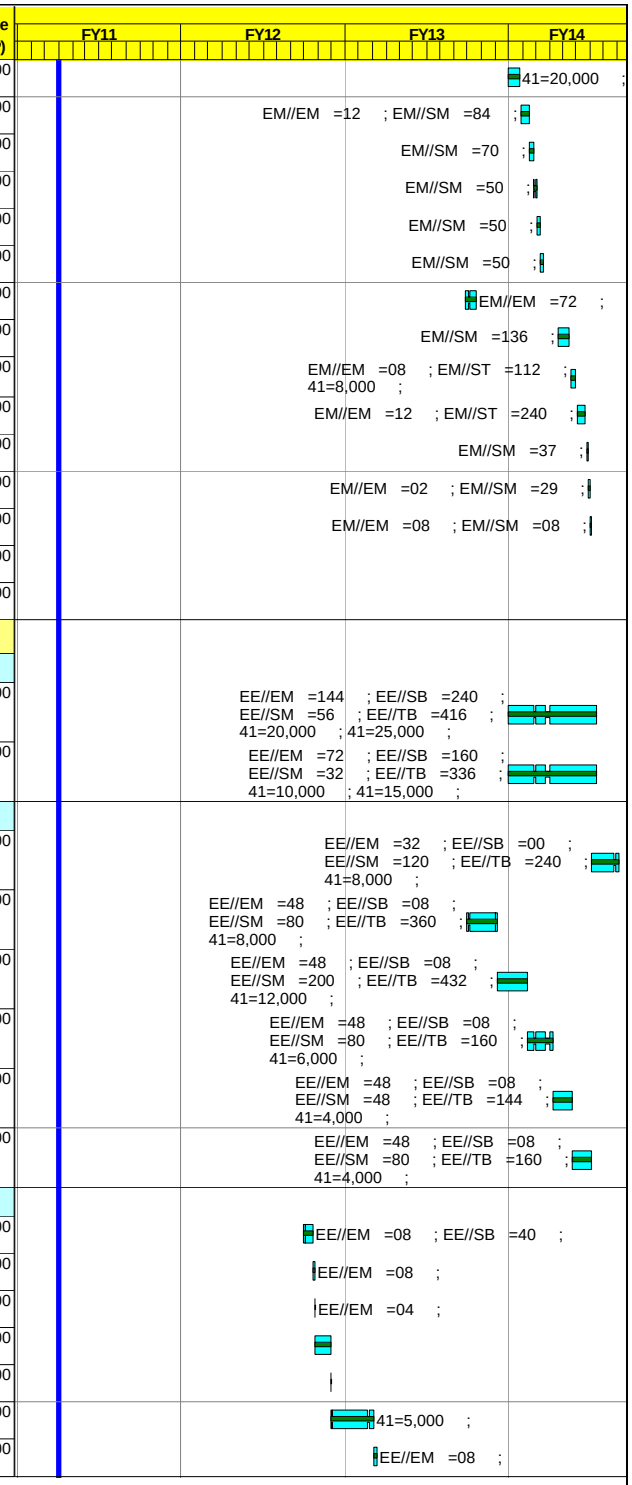
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
Job: 2450 - 2nd NBI Services-DENAULT										
Design										
2450-0017	Design Drawings	25	**03MAY10A**	*03MAY10A*	**07JUN10A**	*07JUN10A*		**0.00**	**100**	0.00
2450-0018	PDR Prep	10	**23JUN10A**	*23JUN10A*	**24JUN10A**	*24JUN10A*		**0.00**	**100**	0.00
2450-0019	CONDUCT PDR	2	**22JUN10A**	*22JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
2450-0020	Lehman Review	5	**10AUG10A**	*10AUG10A*	**16AUG10A**	*16AUG10A*		**0.00**	**100**	0.00
2450-0022	Disposition PDR Chits	2	**24JUN10A**	*24JUN10A*	**25JUN10A**	*25JUN10A*		**0.00**	**100**	0.00
2450-0023	Design Drawings	87*	**01OCT10A**	*01OCT10A*	**28MAR11**	*10FEB11*	4	**23,957.00**	**20**	4,791.40
2450-0024	Update Analyses	5	**29MAR11**	*11FEB11*	**04APR11**	*17FEB11*	4	**21,742.80**		0.00
2450-0025	Update Cost & Schedule Estimate	7	**05APR11**	*18FEB11*	**13APR11**	*28FEB11*	4	**12,656.80**		0.00
2450-0026	Prep Procurement Specs	10	**14APR11**	*01MAR11*	**27APR11**	*14MAR11*	4	**12,656.80**		0.00
2450-PEER	Peer Review	0			**31MAR11**	*31MAR11*	53	**0.00**		0.00
2450-0027	FDR Prep	15	**31MAY11**	*17MAY11*	**13JUN11**	*07JUN11*	4	**12,656.80**		0.00
2450-0028	CONDUCT FDR 2450	2	**14JUN11**	*08JUN11*	**15JUN11**	*09JUN11*	4	**2,531.36**		0.00
Procure, Fab & Assembly										
2450-0032	Prep Requisition & procurement pckg - Cyro parts	1	**15MAY13***	*15MAY13**	**15MAY13**	*15MAY13*	24	**0.00**		0.00
2450-0033	SUBMIT REQ TO PROCUREMENT - Cyro parts	1	**16MAY13**	*16MAY13*	**16MAY13**	*16MAY13*	45	**0.00**		0.00
2450-0034	Procurement lead time (1) - Cyro parts	30	**17MAY13**	*17MAY13*	**28JUN13**	*28JUN13*	45	**0.00**		0.00
2450-0035	AWARD - Cyro parts	1	**01JUL13**	*01JUL13*	**01JUL13**	*01JUL13*	45	**0.00**		0.00
2450-0036	Fabricate or delivery - Cyro parts	90	**02JUL13**	*02JUL13*	**07NOV13**	*07NOV13*	45	**265,866.67**		0.00
2450-0038	Prep Requisitn & procuremnt pckg - Pipe & misc.	2	**15MAY13***	*15MAY13**	**16MAY13**	*16MAY13*	24	**0.00**		0.00
2450-0039	SUBMIT REQ TO PROCUREMENT - Pipe & misc.	1	**17MAY13**	*17MAY13*	**17MAY13**	*17MAY13*	24	**0.00**		0.00
2450-0040	Procurement lead time (1) - Pipe & misc.	30	**20MAY13**	*20MAY13*	**01JUL13**	*01JUL13*	24	**0.00**		0.00
2450-0041	AWARD - Pipe & misc.	1	**02JUL13**	*02JUL13*	**02JUL13**	*02JUL13*	24	**0.00**		0.00
2450-0042	Fabricate or delivery - Pipe & misc.	65	**03JUL13**	*03JUL13*	**04OCT13**	*04OCT13*	24	**641,095.38**		0.00
2450-0053A	Engineering for 2nd NBI Services	356	**15MAR13***	*15MAR13**	**18AUG14**	*18AUG14*	30	**457,664.43**		0.00
2450-0053B	Engineering Support for 2nd NBI Services	356	**15MAR13**	*15MAR13*	**18AUG14**	*18AUG14*	30	**107,069.66**		0.00
2450-0053C	Drafting Support for 2nd NBI Services	356	**15MAR13**	*15MAR13*	**18AUG14**	*18AUG14*	30	**114,210.07**		0.00
2450-0056	Install Penetrations	80	**01JUN12***	*01JUN12**	**24SEP12**	*24SEP12*	245	**119,385.00**		0.00
2450-0057	Helium Transfer Lines	160	**01AUG13***	*01AUG13**	**27MAR14**	*27MAR14*	35	**462,686.30**		0.00
2450-0059	Nitrogen Transfer Lines	120	**31JAN14***	*31JAN14**	**21JUL14**	*21JUL14*	35	**188,429.70**		0.00
2450-0061	SF6 Transfer Lines	30	**31JAN14***	*31JAN14**	**13MAR14**	*13MAR14*	125	**71,074.11**		0.00
2450-0063	HVE Water Lines	65	**31JAN14***	*31JAN14**	**01MAY14**	*01MAY14*	90	**186,972.15**		0.00
2450-0065	Ion Dump Water Lines	175	**07OCT13***	*07OCT13**	**23JUN14**	*23JUN14*	24	**434,324.95**		0.00
2450-0067	Ion Source Water Lines	130	**07OCT13***	*07OCT13**	**18APR14**	*18APR14*	69	**310,648.55**		0.00
2450-0074	Vacuum Lines	30	**24JUN14***	*24JUN14**	**05AUG14**	*05AUG14*	24	**88,868.12**		0.00
2450-0085	Stack 8 Vacuum Lines	30	**07OCT13***	*07OCT13**	**15NOV13**	*15NOV13*	199	**54,837.20**		0.00
2450-0093	Gas System	23	**07OCT13***	*07OCT13**	**06NOV13**	*06NOV13*	206	**50,948.02**		0.00



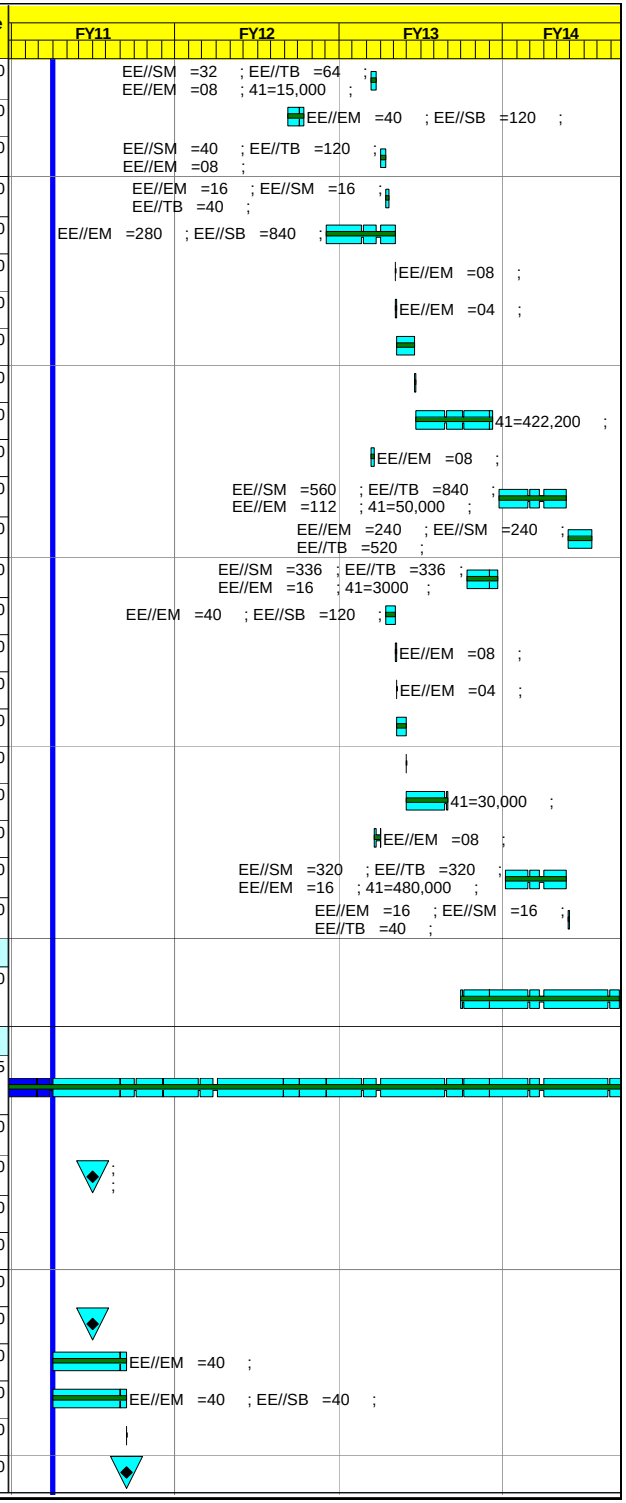
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
2450-0097	Legs	12	**01OCT13***	*01OCT13**	**16OCT13**	*16OCT13*	221	**58,947.46**		0.00
2450-0099	HVAC	70	**01OCT13***	*01OCT13**	**20JAN14**	*20JAN14*	163	**31,818.00**		0.00
2450-0102	Platform Mods	70	**20JAN14***	*20JAN14**	**25APR14**	*25APR14*	14	**519,198.30**		0.00
2450-0103	NBI SERVICES COMPLETE	0			**05AUG14**	*05AUG14*	24	**0.00**		0.00
FY092450	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**76,722.00**	**100**	76,722.00
FY102450	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30APR10A**	*30APR10A*		**122,550.00**	**100**	122,550.00
FY102450A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**66,728.00**	**100**	66,728.00
Job: 2460 - 2nd NBI Armor-PRINISKI										
FY102460A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**84,622.00**	**100**	84,622.00
2460-0016	Armor Service Connection (Bay H)	10	**06JUL10A**	*06JUL10A*	**19JUL10A**	*19JUL10A*		**0.00**	**100**	0.00
2460-0018	PDR Prep - NBI Armor	36	**03MAY10A**	*03MAY10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
2460-0019	CONDUCT PDR - NBI Armor	1	**23JUN10A**	*23JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
2460-0020	Disposition PDR Chits - Final Design	23	**28JUN10A**	*28JUN10A*	**29JUL10A**	*29JUL10A*		**0.00**	**100**	0.00
2460-0021	Revise Armor Backing &Armor service connecti	19	**28JUN10A**	*28JUN10A*	**23JUL10A**	*23JUL10A*		**0.00**	**100**	0.00
2460-0022	Design Drawings	186*	**02AUG10A**	*02AUG10A*	**29APR11**	*08NOV10A*		**13,129.69**	**100**	13,129.69
2460-0024	Armor Instrumentation/Service Connection	15	**27JAN11***	*18JAN11**	**24FEB11**	*07FEB11*	4	**18,542.32**		0.00
2460-0025	Develop Installation Techniques	20	**25FEB11**	*08FEB11**	**24MAR11**	*07MAR11*	4	**10,821.60**		0.00
2460-0026	Update Analysis	30	**25MAR11**	*08MAR11*	**13MAY11**	*18APR11*	4	**43,135.10**		0.00
2460-0026A	Peer Review - 2nd NBI Armor	0			**31MAR11***	*31MAR11**	2,360	**0.00**		0.00
2460-0027	Update Cost & Sched Estimate - Final Dsgn	6	**16MAY11***	*19APR11**	**23MAY11**	*26APR11*	4	**9,967.23**		0.00
2460-0028	FDR Prep - NBI Armor	35	**16MAY11**	*19APR11**	**13JUN11**	*07JUN11*	4	**6,446.04**		0.00
2460-0029	Conduct FDR - NBI Armor	2	**14JUN11**	*08JUN11*	**14JUN11***	*09JUN11**	4	**1,265.68**		0.00
2460-0030	FDR Chit Resolution	20	**15JUN11**	*10JUN11*	**13JUL11***	*08JUL11**	424	**23,472.00**		0.00
2460-0031	Prep Requisition & Procuremnt Pckg - Armor Tiles	10	**02JAN13***	*02JAN13**	**15JAN13**	*15JAN13*	58	**8,502.72**		0.00
2460-0032	Submit Request to Procurement - Armor Tiles	1	**16JAN13**	*16JAN13*	**16JAN13**	*16JAN13*	58	**708.56**		0.00
2460-0033	Procurement Lead Times - Armor Tiles	40	**17JAN13**	*17JAN13*	**13MAR13**	*13MAR13*	58	**0.00**		0.00
2460-0034	Award - Armor Tiles	1	**14MAR13**	*14MAR13*	**14MAR13**	*14MAR13*	58	**0.00**		0.00
2460-0035	Fabricate / Delivery - Armor Tiles	180	**15MAR13**	*15MAR13*	**27NOV13**	*27NOV13*	58	**29,234.00**		0.00
2460-0037	Prep Requisition & Procuremnt Pckg - Armor Tiles	10	**01MAR13***	*01MAR13**	**14MAR13**	*14MAR13*	176	**12,754.08**		0.00
2460-0038	Submit Request t/Proc - Armor Support	1	**15MAR13**	*15MAR13*	**15MAR13**	*15MAR13*	176	**708.56**		0.00
2460-0039	Procurement Lead Time - Armor Support	25	**18MAR13**	*18MAR13*	**19APR13**	*19APR13*	176	**0.00**		0.00
2460-0040	Award - Armor Support	1	**22APR13**	*22APR13*	**22APR13**	*22APR13*	176	**0.00**		0.00
2460-0041	Fabricate / Delivery - Armor Support	60	**01OCT13***	*01OCT13**	**06JAN14**	*06JAN14*	65	**60,750.00**		0.00
2460-0043	Prep Requisition & Procuremnt Pckg-Backing Plate	2	**03SEP13***	*03SEP13**	**04SEP13**	*04SEP13*	44	**2,479.96**		0.00
2460-0044	Submit Request t/Proc - New Backing Plates	1	**05SEP13**	*05SEP13*	**05SEP13**	*05SEP13*	44	**708.56**		0.00
2460-0045	Procurement Lead Time - New Backing Plates	15	**06SEP13**	*06SEP13*	**26SEP13**	*26SEP13*	44	**0.00**		0.00
2460-0046	Award - New Backing Plates	1	**27SEP13**	*27SEP13*	**27SEP13**	*27SEP13*	44	**0.00**		0.00



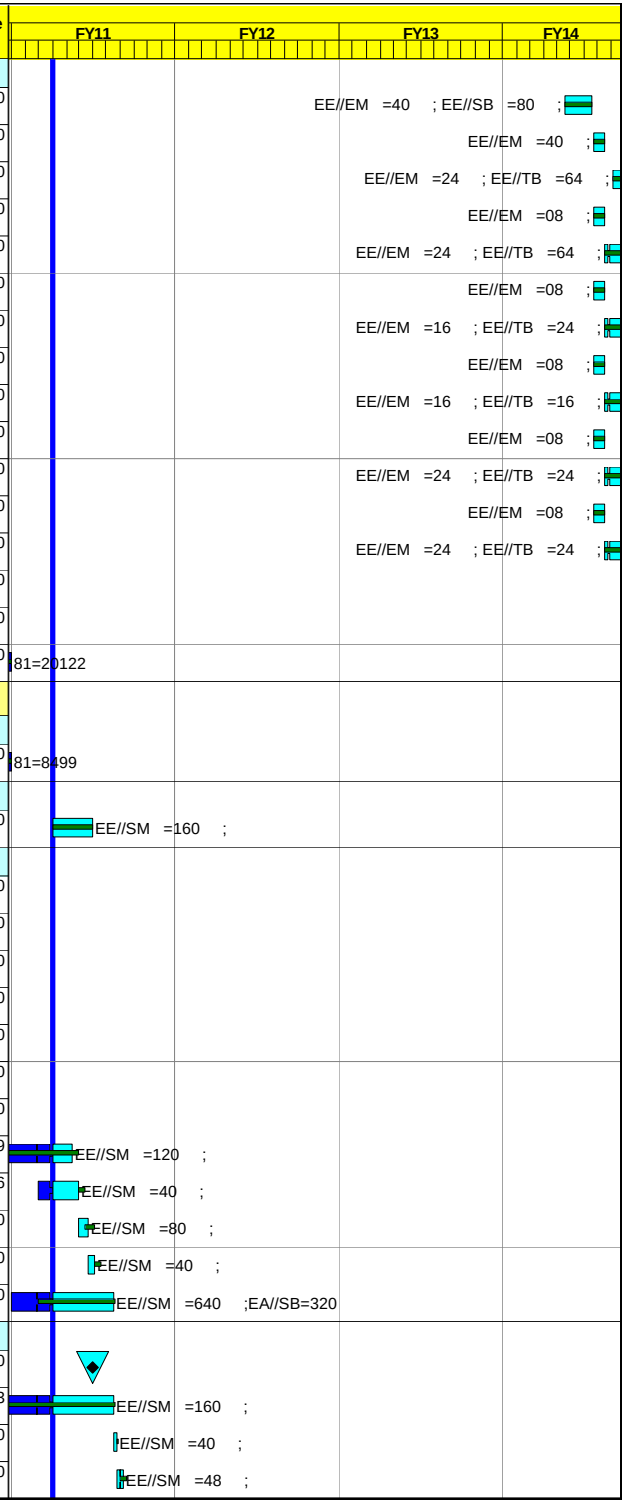
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
2460-0047	Delivery - New Backing Plates	20	**30SEP13**	*30SEP13*	**25OCT13**	*25OCT13*	44	**26,970.00**		0.00
2460-0049	Fabricate Backing Plates	15	**28OCT13***	*28OCT13**	**15NOV13**	*15NOV13*	44	**17,500.80**		0.00
2460-0050	Assemble Armor Quad #1	7	**18NOV13**	*18NOV13*	**26NOV13**	*26NOV13*	44	**12,752.60**		0.00
2460-0051	Assemble Armor Quad #2	5	**27NOV13**	*27NOV13*	**05DEC13**	*05DEC13*	44	**9,109.00**		0.00
2460-0052	Assemble Armor Quad #3	5	**06DEC13**	*06DEC13*	**12DEC13**	*12DEC13*	44	**9,109.00**		0.00
2460-0053	Assemble Armor Quad #4	5	**13DEC13**	*13DEC13*	**19DEC13**	*19DEC13*	44	**9,109.00**		0.00
2460-0054	Assembly Procedure Finalized	15	**28JUN13***	*28JUN13**	**22JUL13**	*22JUL13*	129	**12,754.08**		0.00
2460-0057	In Vessel Work Remove Armor	20	**20JAN14***	*20JAN14**	**14FEB14**	*14FEB14*	11	**24,776.48**		0.00
2460-0058	Armor Support Installation	10	**17FEB14**	*17FEB14*	**28FEB14**	*28FEB14*	11	**25,127.20**		0.00
2460-0059	Armor Quadrant Installations	15	**03MAR14***	*03MAR14**	**21MAR14**	*21MAR14*	11	**29,759.28**		0.00
2460-0060	Service Connections	4	**24MAR14**	*24MAR14*	**27MAR14**	*27MAR14*	11	**6,740.66**		0.00
2460-0061	Bay-H Port Cover Install	3	**28MAR14***	*28MAR14**	**01APR14**	*01APR14*	11	**5,649.50**		0.00
2460-0062	PTP Testing - NBI Armor	2	**02APR14***	*02APR14**	**03APR14**	*03APR14*	11	**2,922.56**		0.00
FY092460	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**35,786.00**	**100**	35,786.00
FY102460	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30APR10A**	*30APR10A*		**144,675.00**	**100**	144,675.00
Job: 2470 - 2nd NBI Power-RAKI										
21-AC Aux.										
247000245	211-AC Auxiliaries PP's etc	130	**01OCT13***	*01OCT13**	**14APR14**	*14APR14*	63	**174,685.04**		0.00
247000250	212 grounding	130	**01OCT13***	*01OCT13**	**14APR14**	*14APR14*	63	**109,645.28**		0.00
22-Reactivation										
247000254	Power Testing of Reactivated Equipment	45	**03APR14**	*03APR14*	**05JUN14**	*05JUN14*	26	**51,300.96**		0.00
247000255	Switchyard- Reactivation	45	**01JUL13***	*01JUL13**	**04SEP13**	*04SEP13*	26	**68,716.88**		0.00
247000256	Surge Room- Reactivation	50	**05SEP13**	*05SEP13*	**13NOV13**	*13NOV13*	26	**103,722.63**		0.00
247000257	Mod- reg- Reactivation	30	**14NOV13**	*14NOV13*	**08JAN14**	*08JAN14*	26	**48,791.60**		0.00
247000258	Arc/Filament/magnet- Reactivation	30	**09JAN14**	*09JAN14*	**19FEB14**	*19FEB14*	26	**38,783.28**		0.00
247000259	LCC- Reactivation	30	**20FEB14**	*20FEB14*	**02APR14**	*02APR14*	26	**46,091.60**		0.00
24-Cabling										
247000260	Design - Penetrations	15	**02JUL12***	*02JUL12**	**23JUL12**	*23JUL12*	210	**6,983.52**		0.00
247000420	Prep Req & Procurement Pckg - Penetrations	1	**24JUL12**	*24JUL12*	**24JUL12**	*24JUL12*	210	**1,516.72**		0.00
247000430	Submit Req to Procurement - Penetrations	1	**25JUL12**	*25JUL12*	**25JUL12**	*25JUL12*	210	**758.36**		0.00
247000440	Procurement Lead Time - Penetrations	25	**26JUL12**	*26JUL12*	**29AUG12**	*29AUG12*	210	**0.00**		0.00
247000450	Award - Penetrations	1	**30AUG12**	*30AUG12*	**30AUG12**	*30AUG12*	210	**0.00**		0.00
247000460	Procurement/Fab/Assembly - Penetrations	65	**31AUG12**	*31AUG12*	**04DEC12**	*04DEC12*	210	**6,553.85**		0.00
247000690	Installation Procedure - Penetrations	5	**05DEC12**	*05DEC12*	**11DEC12**	*11DEC12*	210	**1,548.56**		0.00



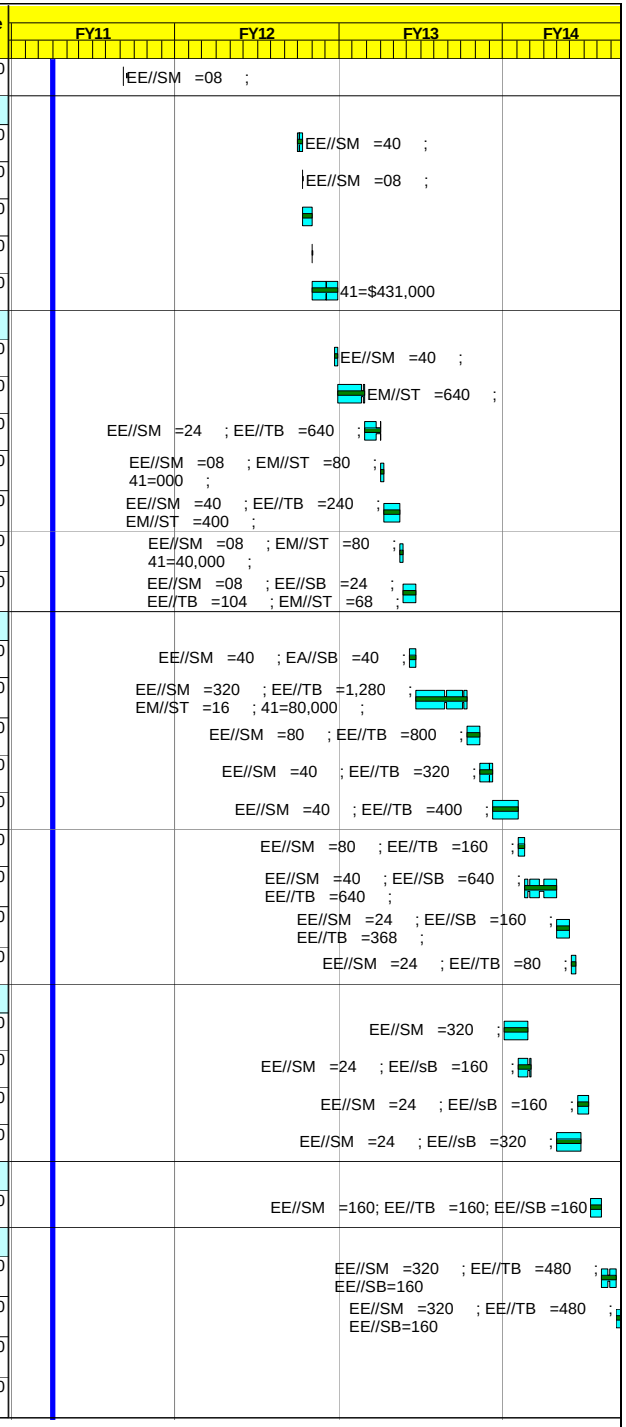
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
247000700	Installation - Penetrations	8	12DEC12	12DEC12	21DEC12	21DEC12	210	32,929.04		0.00
247000270	Design Removal of Cable	25	08JUN12*	08JUN12*	13JUL12	13JUL12	182	23,984.00		0.00
247000710	Removal - Cable	8	02JAN13	02JAN13	11JAN13	11JAN13	215	19,783.76		0.00
247000780	Commissioning - Removal of Cable	5	14JAN13	14JAN13	18JAN13	18JAN13	310	9,639.28		0.00
247000275	Design - Cables	100	04SEP12*	04SEP12*	01FEB13	01FEB13	47	170,743.41		0.00
247000470	Prep Req & Procurement Pckg - Cables	1	04FEB13	04FEB13	04FEB13	04FEB13	47	1,548.56		0.00
247000480	Submit Req to Procurement - Cables	1	05FEB13	05FEB13	05FEB13	05FEB13	47	774.28		0.00
247000490	Procurement Lead Time - Cables	30	06FEB13	06FEB13	19MAR13	19MAR13	47	0.00		0.00
247000500	Award - Cables	1	20MAR13	20MAR13	20MAR13	20MAR13	47	0.00		0.00
247000510	Procurement - NBI Cables	120	21MAR13	21MAR13	10SEP13	10SEP13	47	557,304.00		0.00
247000720	Installation Procedure - Cable	5	12DEC12	12DEC12	18DEC12	18DEC12	226	1,548.56		0.00
247000730	Installation - Cable	100	23SEP13*	23SEP13*	21FEB14	21FEB14	39	271,733.11		0.00
247000790	Commissioning - Cable	40	24FEB14	24FEB14	18APR14	18APR14	39	141,711.60		0.00
2470000729	decontmination of east wall	48	16JUL13	16JUL13	20SEP13	20SEP13	39	97,071.52		0.00
247000280	Prep Procurement Spec - Raceway	15	14JAN13*	14JAN13*	01FEB13	01FEB13	160	24,487.60		0.00
247000520	Prep Req & Procurement Pckg - Raceway	1	05FEB13	05FEB13	05FEB13	05FEB13	161	1,548.56		0.00
247000530	Submit Req to Procurement - Raceway	1	06FEB13	06FEB13	06FEB13	06FEB13	161	774.28		0.00
247000540	Procurement Lead Time - Raceway	15	07FEB13	07FEB13	27FEB13	27FEB13	161	0.00		0.00
247000550	Award - Raceway	1	28FEB13	28FEB13	28FEB13	28FEB13	161	0.00		0.00
247000560	Procurement/Fab/Assembly - Raceway	65	01MAR13	01MAR13	31MAY13	31MAY13	161	39,600.00		0.00
247000740	Installation Procedure - Raceway	5	19DEC12	19DEC12	03JAN13	03JAN13	266	1,548.56		0.00
247000750	Installation - 2nd NBI Raceway	90	07OCT13*	07OCT13*	21FEB14	21FEB14	74	739,832.48		0.00
247000795	Commissioning - Raceway	5	24FEB14	24FEB14	28FEB14	28FEB14	74	9,965.68		0.00
25-Transmission Line										
247000285	Design & Install Transmission Line	240	01JUL13*	01JUL13*	19JUN14	19JUN14	56	133,959.36		0.00
28-System Design & Integration										
247000090	Design dwgs, changes,as-builts (LOE)	1,101*	03MAY10A	03MAY10A	30SEP14	30SEP14	1,487	87,822.51	LOE	13,085.55
247000100	CDR Complete Power System	20	01OCT09A	01OCT09A	28OCT09A	28OCT09A		0.00	100	0.00
247000090A	Peer Review - 2nd NBI Power	0			31MAR11	31MAR11*	2,360	0.00		0.00
247000180	PDR Preparation	37	03MAY10A	03MAY10A	23JUN10A	23JUN10A		0.00	100	0.00
247000190	Conduct PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A		0.00	100	0.00
247000200	PDR Complete	0			24JUN10A	24JUN10A		0.00	100	0.00
2470PEER	Peer Review	0			31MAR11	31MAR11	53	0.00		0.00
247000235	Calculations - Final Dsgn	115	03JAN11*	03JAN11*	13JUN11	13JUN11	1	6,915.60		0.00
247000295	FDR Cabling	115	03JAN11	03JAN11	13JUN11	13JUN11	1	11,900.80		0.00
247000300	Conduct FDR	1	14JUN11	14JUN11	14JUN11	14JUN11	1	0.00		0.00
247000305	FDR Complete	0			14JUN11	14JUN11	1	0.00		0.00



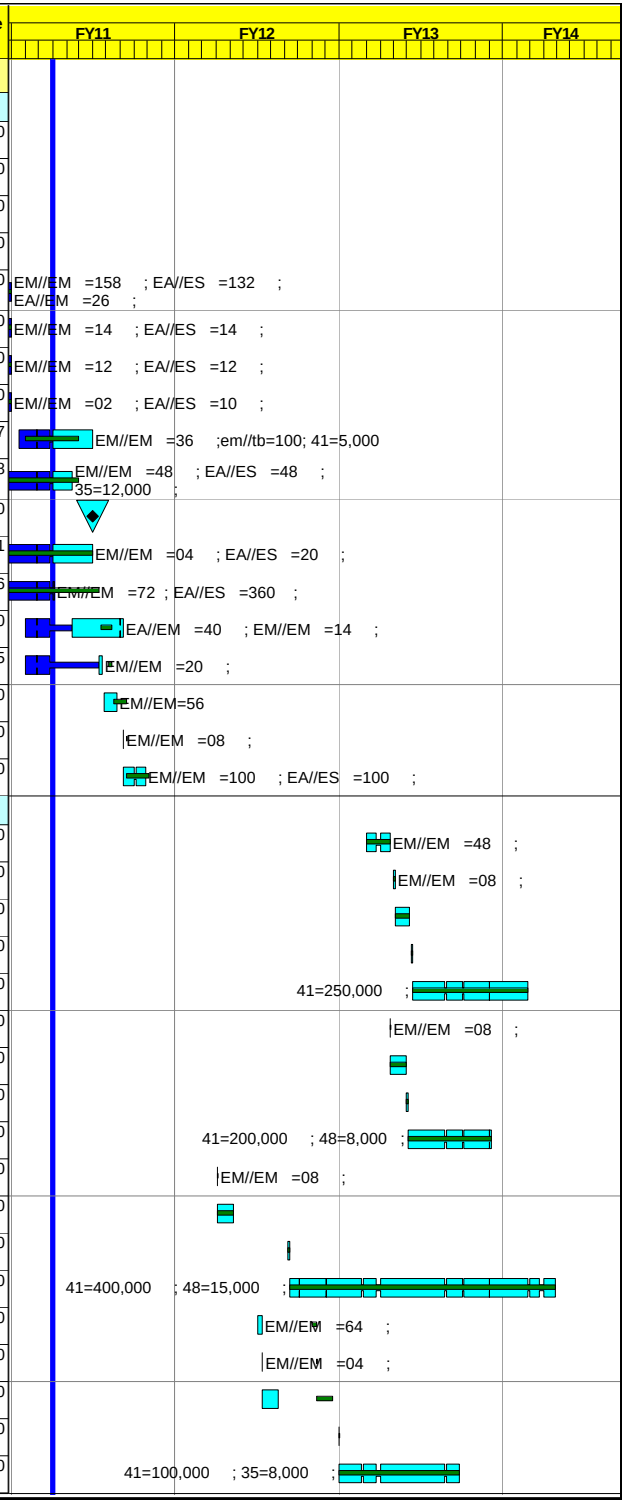
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
System Testing										
247000890	New Procedures, PTP's, ISTP's	44	**18FEB14***	*18FEB14**	**18APR14**	*18APR14*	39	**19,546.80**		0.00
247000900	DC Hipots Engineering	20	**21APR14**	*21APR14*	**16MAY14**	*16MAY14*	39	**8,005.20**		0.00
247000910	DC Hipots Commissioning	40	**06JUN14**	*06JUN14*	**01AUG14**	*01AUG14*	26	**11,022.00**		0.00
247000920	Elect Interlock Testing Eng	20	**21APR14**	*21APR14*	**16MAY14**	*16MAY14*	39	**1,601.04**		0.00
247000930	Elect Interlock Testg Commissioning	40	**19MAY14**	*19MAY14*	**15JUL14**	*15JUL14*	39	**11,022.00**		0.00
247000940	Kirk Key Testing Eng	20	**21APR14**	*21APR14*	**16MAY14**	*16MAY14*	39	**1,601.04**		0.00
247000941	Kirk Key Testg Commissioning	40	**19MAY14**	*19MAY14*	**15JUL14**	*15JUL14*	39	**5,534.16**		0.00
247000945	Instrumentation Testing Engr	20	**21APR14**	*21APR14*	**16MAY14**	*16MAY14*	39	**1,601.04**		0.00
247000946	Instrumentation Commissioning	40	**19MAY14**	*19MAY14*	**15JUL14**	*15JUL14*	39	**4,756.80**		0.00
247000950	Control Sys Engr	20	**21APR14**	*21APR14*	**16MAY14**	*16MAY14*	39	**1,601.04**		0.00
247000951	Control Sys Commissioning	40	**19MAY14**	*19MAY14*	**15JUL14**	*15JUL14*	39	**7,135.20**		0.00
247000960	Coil Protection Engr	20	**21APR14**	*21APR14*	**16MAY14**	*16MAY14*	39	**1,601.04**		0.00
247000971	Coil Protection Commissioning	40	**19MAY14**	*19MAY14*	**15JUL14**	*15JUL14*	39	**7,135.20**		0.00
FY092470	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**115,170.00**	**100**	115,170.00
FY102470	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30APR10A**	*30APR10A*		**78,528.00**	**100**	78,528.00
FY102470A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**12,565.00**	**100**	12,565.00
Job: 2475 - 2nd NBI Controls-CROPPER										
System Testing										
FY102475A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**1,855.00**	**100**	1,855.00
-										
2475-0018	Protective Plate Interlocks-NBI-Controls & Instr	64	**03JAN11***	*03JAN11**	**31MAR11**	*31MAR11*	37	**24,851.20**		0.00
Control System Layout										
2475-0002	Control System Lay Out-NBI-Controls & Instrument	30	**03MAY10A**	*03MAY10A*	**14JUN10A**	*14JUN10A*		**0.00**	**100**	0.00
2475-0003	Update Cost & Sched Estimate-NBI-Control & Instm	5	**08JUN10A**	*08JUN10A*	**14JUN10A**	*14JUN10A*		**0.00**	**100**	0.00
2475-0004	FMEA Analysis-NBI-Controls & Instrumentation	5	**08JUN10A**	*08JUN10A*	**14JUN10A**	*14JUN10A*		**0.00**	**100**	0.00
2475-0005	Design Drawings-NBI-Controls & Instrumentation	30	**03MAY10A**	*03MAY10A*	**14JUN10A**	*14JUN10A*		**0.00**	**100**	0.00
2475-0006	PDR Prep PPL-NBI-Controls & Instrumentation	6	**15JUN10A**	*15JUN10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
2475-0009	CONDUCT PDR-NBI-Controls & Instrumentation	1	**23JUN10A**	*23JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
2475-0012	Disposition PDR Chits-NBI-Controls & Instrum	10	**23JUN10A**	*23JUN10A*	**28JUN10A**	*28JUN10A*		**0.00**	**100**	0.00
2475-0102	PLC - Control System Layout	135*	**28JUL10A**	*28JUL10A*	**28FEB11**	*14FEB11*	5	**18,179.67**	**95**	17,270.69
2475-0103	Remote LCC - Control System Layout	58*	**01MAR11***	*01DEC10A*	**14MAR11**	*28FEB11*	35	**6,212.80**	**95**	5,902.16
2475-0104	TC scanners, Beamline & P.P - Control Sys Layout	15	**15MAR11**	*01MAR11*	**04APR11**	*21MAR11*	35	**12,425.60**		0.00
2475-0105	NBOS Station - Control System Layout	10	**05APR11**	*22MAR11*	**18APR11**	*04APR11*	35	**6,212.80**		0.00
2475-0106	DWGS CWD's & Cable Diagram - Control Sys Layout	154*	**01DEC10***	*01OCT10A*	**20MAY11**	*16MAY11*	5	**139,376.00**	**5**	6,968.80
Final Design										
2475PEER	Peer Review	0			**31MAR11**	*31MAR11*	53	**0.00**		0.00
2475-0110	Design Drawings-NBI-Controls & Instrumentation	220*	**29JUN10A**	*29JUN10A*	**20MAY11**	*16MAY11*	5	**24,283.13**	**20**	4,856.63
2475-0110A	Update Cost & SchedEstimate-NBI-Controls & Instr	5	**23MAY11**	*17MAY11*	**27MAY11**	*23MAY11*	5	**6,212.80**		0.00
2475-0110B	FDR Prep PPL-NBI-Controls & Instrumentation	10	**31MAY11**	*24MAY11*	**13JUN11**	*07JUN11*	5	**7,455.36**		0.00



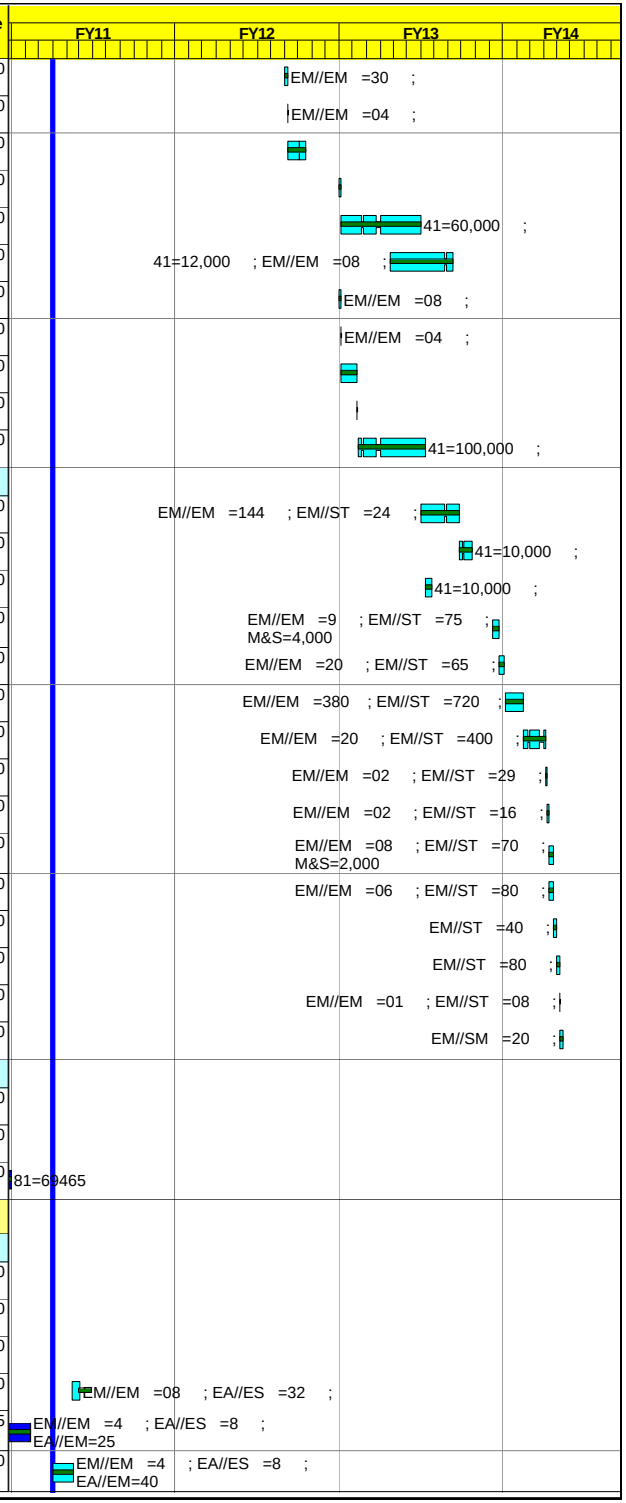
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
2475-0111	CONDUCT FDR-NBI-Controls & Instrumentation	1	**14JUN11***	*08JUN11**	**14JUN11**	*08JUN11*	5	**1,242.56**		0.00
Procurement										
2475-0116	Prep Requisition and procurement package	5	**02JUL12***	*02JUL12**	**09JUL12**	*09JUL12*	4	**6,813.20**		0.00
2475-0117	SUBMIT REQ TO PROCUREMENT	1	**10JUL12**	*10JUL12*	**10JUL12**	*10JUL12*	4	**1,362.64**		0.00
2475-0118	Procurement lead time (1)	15	**11JUL12**	*11JUL12*	**31JUL12**	*31JUL12*	4	**0.00**		0.00
2475-0119	AWARD-NBI-Controls & Instrumentation	1	**01AUG12**	*01AUG12*	**01AUG12**	*01AUG12*	4	**0.00**		0.00
2475-0120	Fabricate or delivery--NBI-Controls & Instrument	40	**02AUG12**	*02AUG12*	**27SEP12**	*27SEP12*	4	**555,990.00**		0.00
Fab/Assembly										
2475-0123	Fab/Assy Procedure	5	**21SEP12**	*21SEP12*	**27SEP12**	*27SEP12*	4	**6,813.20**		0.00
2475-0125	Cable Tray - Fab/Assembly	40	**28SEP12***	*28SEP12**	**26NOV12**	*26NOV12*	4	**71,054.56**		0.00
2475-0126	Gradient Grid divider - Fab/Assembly	20	**27NOV12**	*27NOV12*	**02JAN13**	*02JAN13*	4	**64,327.44**		0.00
2475-0127	Control Rack Cage - Fab/Assembly	5	**03JAN13**	*03JAN13*	**09JAN13**	*09JAN13*	4	**10,277.68**		0.00
2475-0128	Rack relocation - Fab/Assembly	25	**10JAN13***	*10JAN13**	**13FEB13**	*13FEB13*	4	**73,946.00**		0.00
2475-0129	Penetrations - Fab/Assembly	5	**14FEB13***	*14FEB13**	**20FEB13**	*20FEB13*	4	**63,077.68**		0.00
2475-0130	Disconnect remote control	20	**21FEB13**	*21FEB13*	**20MAR13**	*20MAR13*	4	**22,068.64**		0.00
Installation										
2475-0133	Installation Procedures	10	**07MAR13**	*07MAR13*	**20MAR13**	*20MAR13*	4	**12,550.80**		0.00
2475-0134	Beam Line Cabling - Installation	80	**21MAR13**	*21MAR13*	**15JUL13**	*15JUL13*	4	**283,335.68**		0.00
2475-0135	Aux Cabling - Installation	20	**16JUL13**	*16JUL13*	**12AUG13**	*12AUG13*	4	**89,104.80**		0.00
2475-0136	Protective Plate Interlocks(I/P Pyrometer/IR Cam	20	**13AUG13**	*13AUG13*	**10SEP13**	*10SEP13*	4	**37,033.20**		0.00
2475-0137	TC Scanners - beamline & Protective Plates-Instl	40	**11SEP13**	*11SEP13*	**05NOV13**	*05NOV13*	4	**45,532.34**		0.00
2475-0138	NBOS Station - Installation	10	**06NOV13**	*06NOV13*	**19NOV13**	*19NOV13*	4	**29,931.20**		0.00
2475-0139	LCC Remote - Installation	40	**20NOV13**	*20NOV13*	**28JAN14**	*28JAN14*	4	**161,713.60**		0.00
2475-0140	Power Supply Upgrade - Installation	23	**29JAN14**	*29JAN14*	**28FEB14**	*28FEB14*	4	**63,156.96**		0.00
2475-0141	Protective Plate TC's - Installation	10	**03MAR14**	*03MAR14*	**14MAR14**	*14MAR14*	4	**12,088.80**		0.00
Programing										
2475-0144	PLC & RSView Programing-NBI-Controls & Instrumen	40	**03OCT13***	*03OCT13**	**27NOV13**	*27NOV13*	91	**57,536.00**		0.00
2475-0145	Beamline TC Scanner Program-NBI-Controls & Instr	20	**06NOV13***	*06NOV13**	**05DEC13**	*05DEC13*	47	**27,398.40**		0.00
2475-0146	Protective Plate TC Scanner Program-NBI-Controls	20	**17MAR14**	*17MAR14*	**11APR14**	*11APR14*	4	**27,398.40**		0.00
2475-0147	LCC Remote LabView Programing-NBI-Controls/Instr	40	**29JAN14**	*29JAN14*	**25MAR14**	*25MAR14*	17	**50,481.60**		0.00
Testing										
2475-0149	PTP Testing	20	**14APR14**	*14APR14*	**09MAY14**	*09MAY14*	4	**67,398.40**		0.00
Commissioning in Ops										
2475-0154	Commissioning & Testing of 4A Power System	20	**12MAY14**	*12MAY14*	**09JUN14**	*09JUN14*	4	**0.00**		0.00
2475-0155	Commissioning & Testing of 4B Power System	20	**10JUN14**	*10JUN14*	**08JUL14**	*08JUL14*	4	**0.00**		0.00
2475-0156	Commissioning & Testing of 4C Power System	20	**09JUL14**	*09JUL14*	**05AUG14**	*05AUG14*	4	**0.00**		0.00
2475-0157	40 kv Beam Operation	20	**06AUG14**	*06AUG14*	**03SEP14**	*03SEP14*	4	**0.00**		0.00



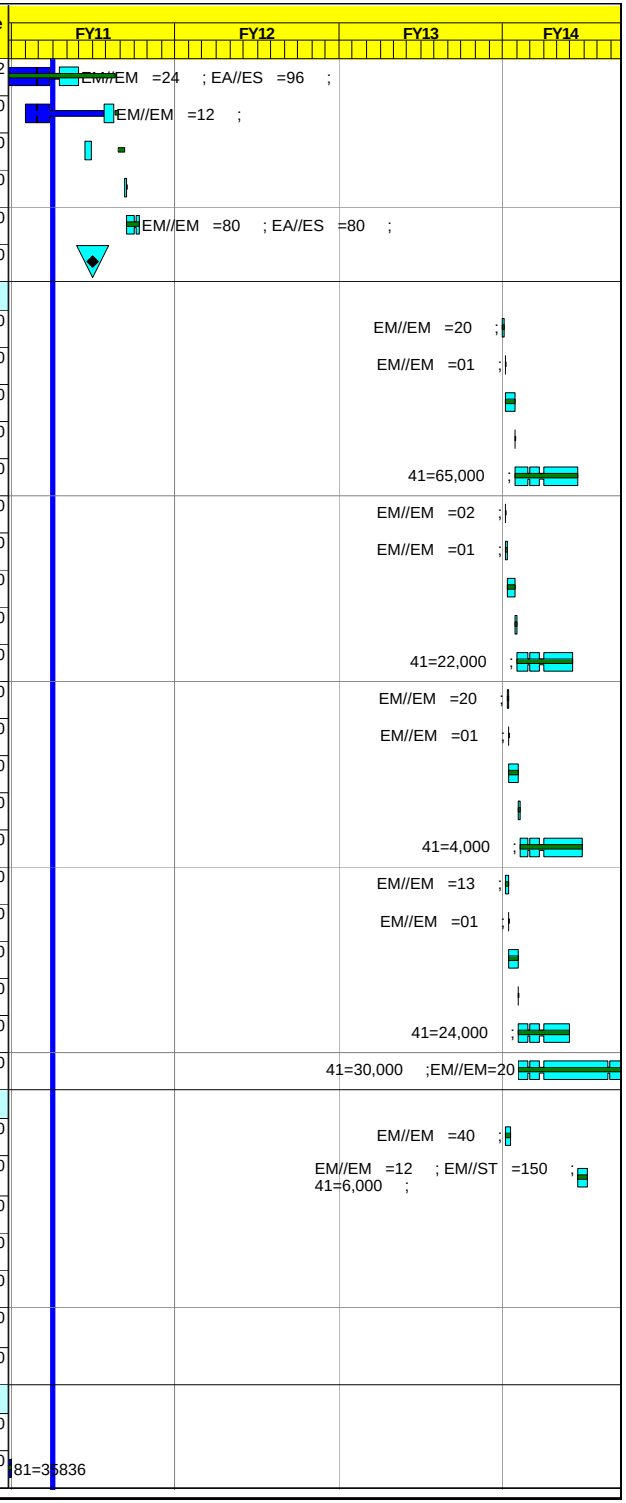
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
Job: 2480 - 2nd NBI/TVPS Duct & VV-PRINISKI										
Design										
2480-0024	New Coil Comonents F/J-K RWM Coil Re Dsgn	22	**03MAY10A**	*03MAY10A*	**02JUN10A**	*02JUN10A*		**0.00**	**100**	0.00
2480-0025	Seismic Analysis	5	**03MAY10A**	*03MAY10A*	**07MAY10A**	*07MAY10A*		**0.00**	**100**	0.00
2480-0027	PDR Prep - Duct & VV Mods	36	**03MAY10A**	*03MAY10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
2480-0028	CONDUCT PDR - Duct & VV Mods	1	**23JUN10A**	*23JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
2480-0029	Disposition PDR Chits - Final Design	84*	**03JUN10A**	*03JUN10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
2480-0031	1000100100100 K- Port Extension	41*	**16AUG10A**	*16AUG10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
2480-0032	NB- Ceramic-Break	47*	**16AUG10A**	*16AUG10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
2480-0033	Spool Piece/Round Bellows	52*	**16AUG10A**	*16AUG10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
2480-0029A	Installation Prototype	111*	**01NOV10***	*18OCT10A*	**28FEB11**	*31MAR11*	6	**21,304.56**	**30**	6,391.37
2480-0030	J-K Cap/Installation Procedure	121*	**16AUG10A**	*16AUG10A*	**28FEB11**	*11FEB11*	6	**26,539.92**	**25**	6,634.98
2480PEER	Peer review	0			**31MAR11**	*31MAR11*	53	**0.00**		0.00
2480-0034	Rectangular Bellows Assembly	155*	**16AUG10A**	*16AUG10A*	**31MAR11**	*31MAR11*	36	**2,264.44**	**95**	2,151.21
2480-0035	Design Drawings - Final Design	172*	**16AUG10A**	*16AUG10A*	**15APR11**	*03JAN11A*		**41,081.36**	**100**	41,081.36
2480-0037	Update Analysis - Final Design	147*	**18APR11**	*01NOV10A*	**13MAY11**	*06JUN11*	6	**9,922.14**	**70**	6,945.50
2480-0038	Update Cost & Sched Estimate - Final Dsgn	7	**05MAY11**	*01NOV10A*	**13MAY11**	*22APR11*	15	**3,164.20**	**25**	791.05
2480-0039	FDR Prep-Duct & VV Mods	21*	**16MAY11**	*25APR11**	**13JUN11**	*23MAY11*	15	**8,859.76**		0.00
2480-0040	CONDUCT FDR-Duct & VV Mods	1	**14JUN11**	*07JUN11*	**14JUN11***	*07JUN11**	6	**1,265.68**		0.00
2480-0041	Disposition FDR Chits	33	**15JUN11***	*08JUN11**	**01AUG11**	*25JUL11*	341	**24,523.00**		0.00
Procure, Fab & Assembly										
2480-0042	Prep Req & Procuremnt Pckg	30	**03DEC12***	*03DEC12**	**22JAN13**	*22JAN13*	1	**8,502.72**		0.00
2480-0044	Submit Req to Procurement - 40" VAT Valves (2)	1	**01FEB13***	*01FEB13**	**01FEB13**	*01FEB13*	36	**1,417.12**		0.00
2480-0045	Procurement Lead Times - 40" VAT Valves (2)	25	**04FEB13**	*04FEB13*	**08MAR13**	*08MAR13*	36	**0.00**		0.00
2480-0046	Award - - 40" VAT Valves (2)	3	**11MAR13**	*11MAR13*	**13MAR13**	*13MAR13*	36	**0.00**		0.00
2480-0047	Fabricate / Delivery - 40" VAT Valves (2)	180	**14MAR13**	*14MAR13*	**26NOV13**	*26NOV13*	36	**331,708.33**		0.00
2480-0049	Submit Req to Procurement - 40" Bellows Section	1	**23JAN13***	*23JAN13**	**23JAN13**	*23JAN13*	1	**1,417.12**		0.00
2480-0050	Procurement Lead Time - 40" Bellows Section	25	**24JAN13**	*24JAN13*	**27FEB13**	*27FEB13*	1	**0.00**		0.00
2480-0051	Award - 40" Bellows Section	3	**28FEB13**	*28FEB13*	**04MAR13**	*04MAR13*	1	**0.00**		0.00
2480-0052	Fabricate / Delivery - 40" Bellows Section	130	**05MAR13**	*05MAR13*	**06SEP13**	*06SEP13*	1	**272,640.00**		0.00
2480-0054	Submit Req to Proc-Rectangular Bellows Section	1	**03JAN12***	*03JAN12**	**03JAN12**	*03JAN12*	89	**1,387.92**		0.00
2480-0055	Procurement Lead Time-Rectangular Bellows Sectn	25	**04JAN12**	*04JAN12*	**07FEB12**	*07FEB12*	89	**0.00**		0.00
2480-0056	Award-Rectangular Bellows Section	1	**11JUN12***	*11JUN12**	**11JUN12**	*11JUN12*	2	**0.00**		0.00
2480-0057	Fabricate / Delivery-Rectangular Bellows Section	400	**12JUN12**	*12JUN12*	**27JAN14**	*27JAN14*	2	**507,828.38**		0.00
2480-0059	Prep Req & Procuremnt Pckg - Vessel Cap & Port E	8	**01AUG12***	*02APR12**	**10AUG12**	*11APR12*	195	**11,103.36**		0.00
2480-0060	Submit Req to Procurement - Vessel Cap & Port Ex	1	**13AUG12**	*12APR12*	**13AUG12**	*12APR12*	195	**693.96**		0.00
2480-0061	Procurement Lead Times - Vessel Cap & Port Exten	25	**14AUG12**	*13APR12*	**18SEP12**	*17MAY12*	195	**0.00**		0.00
2480-0062	Award - Vessel Cap & Port Extension	1	**01OCT12***	*01OCT12**	**01OCT12**	*01OCT12*	102	**0.00**		0.00
2480-0063	Fabricate / Delivery - Vessel Cap & Port Extensn	180	**02OCT12***	*02OCT12**	**24JUN13**	*24JUN13*	102	**142,640.00**		0.00



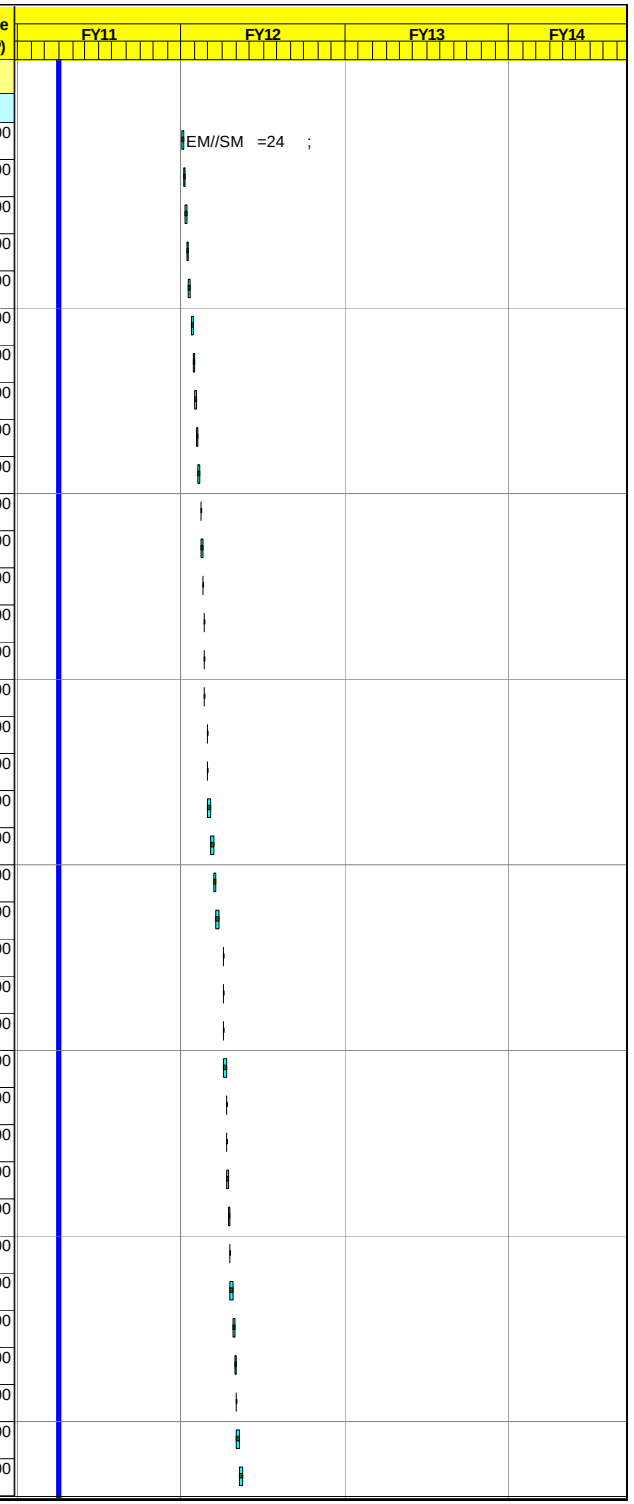
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
2480-0064	Prep Req & Procuremnt Pckg - Spool Piece	5	**01JUN12***	*01JUN12**	**07JUN12**	*07JUN12*	257	**5,204.70**		0.00
2480-0065	Submit Req to Procurement - Spool Piece	1	**08JUN12**	*08JUN12*	**08JUN12**	*08JUN12*	257	**693.96**		0.00
2480-0066	Procurement Lead Times - Spool Piece	25	**11JUN12**	*11JUN12*	**16JUL12**	*16JUL12*	257	**0.00**		0.00
2480-0067	Award - Spool Piece	1	**03OCT12***	*03OCT12**	**03OCT12**	*03OCT12*	202	**0.00**		0.00
2480-0068	Fabricate / Delivery - Spool Piece	120	**04OCT12***	*04OCT12**	**02APR13**	*02APR13*	202	**79,200.00**		0.00
2480-0070	Fabricate / Delivery - RWM Coil Mtrl (cooper)	100	**23JAN13***	*23JAN13**	**12JUN13**	*12JUN13*	142	**17,257.12**		0.00
2480-0072	Prep Req & Procuremnt Pckg-Raw Material f/Duct	3	**01OCT12***	*01OCT12**	**03OCT12**	*03OCT12*	183	**3,188.52**		0.00
2480-0073	Submit Req to Procurement -Other Material f/Duct	1	**04OCT12**	*04OCT12*	**04OCT12**	*04OCT12*	183	**708.56**		0.00
2480-0074	Procurement Lead Time - Other Material for Duct	25	**05OCT12**	*05OCT12*	**08NOV12**	*08NOV12*	183	**0.00**		0.00
2480-0075	Award - Other Material for Duct	1	**09NOV12**	*09NOV12*	**09NOV12**	*09NOV12*	183	**0.00**		0.00
2480-0076	Fabricate / Delivery-Other Mtrl f/Duct	100	**12NOV12***	*12NOV12**	**11APR13**	*11APR13*	183	**132,000.00**		0.00
Installation										
2480-0077	Installation Procedure - Duct & VV Mods	60	**01APR13***	*01APR13**	**24JUN13**	*24JUN13*	32	**28,174.08**		0.00
2480-0078	Installation Material - Duct & VV Mods	20	**25JUN13***	*25JUN13**	**24JUL13**	*24JUL13*	32	**26,400.00**		0.00
2480-0078A	Duct Cladding Installation	10	**12APR13**	*12APR13*	**25APR13**	*25APR13*	191	**8,081.92**		0.00
2480-0081	Install Vessel Supports/Prep Machine	12	**09SEP13**	*09SEP13*	**24SEP13**	*24SEP13*	1	**15,205.26**		0.00
2480-0082	Remove Bay-K Nozzle	8	**25SEP13**	*25SEP13*	**04OCT13**	*04OCT13*	1	**10,945.20**		0.00
2480-0083	Cut J-K opening	30	**07OCT13**	*07OCT13*	**15NOV13**	*15NOV13*	1	**97,336.00**		0.00
2480-0084	Fit Up/Install Cap	25	**18NOV13**	*18NOV13*	**03JAN14**	*03JAN14*	1	**49,598.80**		0.00
2480-0085	Install Duct Supports	3	**06JAN14**	*06JAN14*	**08JAN14**	*08JAN14*	1	**3,696.64**		0.00
2480-0086	Install K Extension	2	**09JAN14**	*09JAN14*	**10JAN14**	*10JAN14*	1	**2,203.72**		0.00
2480-0086A	RWM Coil Installation	10	**13JAN14**	*13JAN14*	**24JAN14**	*24JAN14*	3	**12,203.92**		0.00
2480-0088	Make up NB2 Transition Duct	7	**13JAN14***	*13JAN14**	**21JAN14**	*21JAN14*	1	**10,056.36**		0.00
2480-0089	Leak Check Duct	5	**22JAN14**	*22JAN14*	**28JAN14**	*28JAN14*	1	**4,593.60**		0.00
2480-0090	Install Transition Duct	5	**29JAN14**	*29JAN14*	**04FEB14**	*04FEB14*	1	**9,187.20**		0.00
2480-0091	Install, Connect Bake Out Lines	1	**05FEB14**	*05FEB14*	**05FEB14**	*05FEB14*	1	**1,101.86**		0.00
2480-0092	PTP Testing - Duct & VV Mods	5	**06FEB14**	*06FEB14*	**12FEB14**	*12FEB14*	1	**3,643.60**		0.00
FY092480	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**183,352.00**	**100**	183,352.00
FY102480	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30APR10A**	*30APR10A*		**101,704.00**	**100**	101,704.00
FY102480A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**35,090.00**	**100**	35,090.00
Job: 2485 - Vacuum Pumping System-PRINISKI										
Design										
2485-0013	PDR Prep	10	**09JUN10A**	*09JUN10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
2485-0014	CONDUCT PDR	2	**23JUN10A**	*23JUN10A*	**24JUN10A**	*24JUN10A*		**0.00**	**100**	0.00
2485-0015	Disposition PDR Chits	15	**25JUN10A**	*25JUN10A*	**16JUL10A**	*16JUL10A*		**0.00**	**100**	0.00
2485-0016	Vacuum Diagnostic Layout	11	**01MAR11***	*15FEB11**	**28MAR11**	*01MAR11*	1	**4,050.32**		0.00
2485-0016A	Magnetic Shieding Conceptual Design	143	**01SEP10A**	*01SEP10A*	**12NOV10A**	*12NOV10A*		**5,887.05**	**100**	5,887.05
2485-0016B	Magnetic Shieding Final Design	33*	**03JAN11A**	*03JAN11A*	**16FEB11**	*16FEB11*	2	**8,780.97**	**10**	878.10



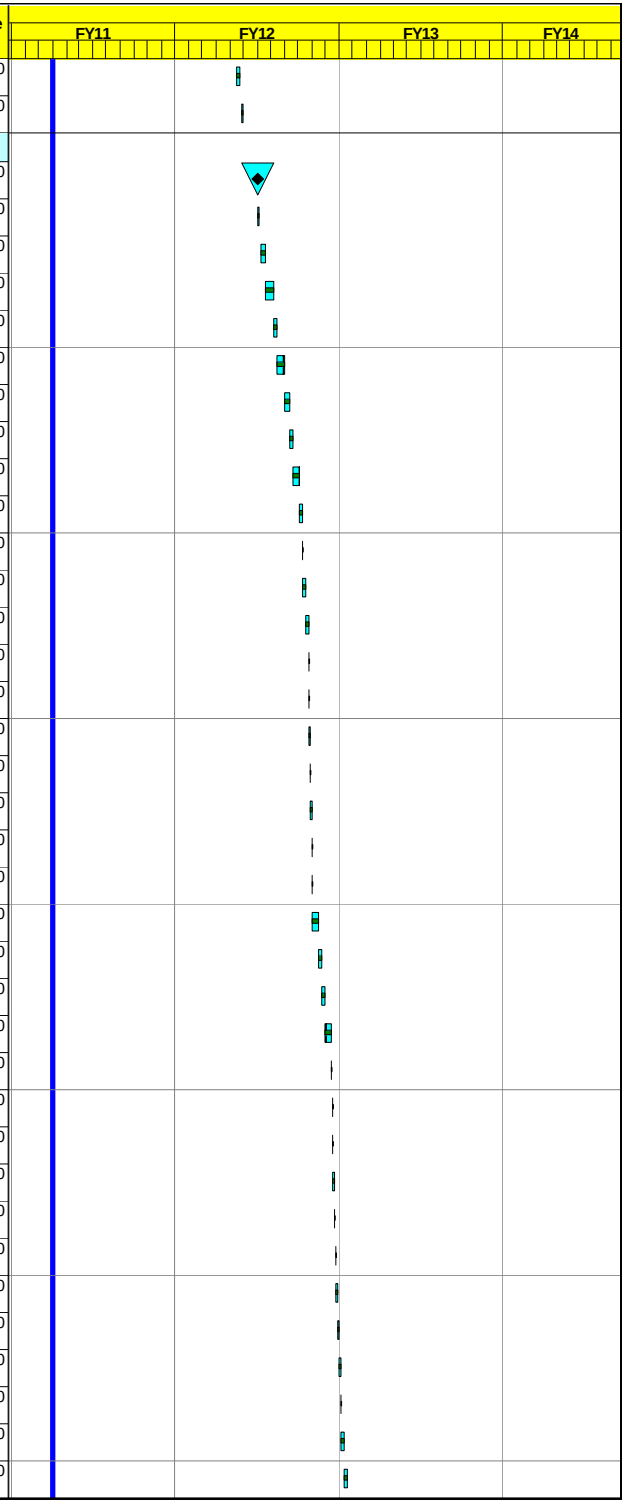
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
2485-0017	Design Drawings	152*	19JUL10A	19JUL10A	19MAY11	28FEB11	2	11,908.32	70	8,335.82
2485-0018	Update Cost & Schedule Estimate	133*	20MAY11	01NOV10A	26MAY11	16MAY11	2	6,328.40	25	1,582.10
2485-0019	FDR Prep	11*	27MAY11	14MAR11	10JUN11	28MAR11	44	0.00		0.00
2485-0020	CONDUCT FDR	2	13JUN11*	10JUN11*	14JUN11	13JUN11	2	0.00		0.00
2485-0021	FDR Chit Resolution (All Areas)	20	15JUN11*	16JUN11*	13JUL11	14JUL11	560	19,618.40		0.00
2485PEER	Peer Review	0			31MAR11	31MAR11	53	0.00		0.00
Procure, Fab & Assembly										
2485-0022	Prep Req & proc pckg - 3200i/s TMPx2	4	01OCT13*	01OCT13*	04OCT13	04OCT13	8	3,662.80		0.00
2485-0023	SUBMIT REQ TO PROC - 3200i/s TMPx2	1	07OCT13	07OCT13	07OCT13	07OCT13	69	183.14		0.00
2485-0024	Procurement lead time (1) - 3200i/s TMPx2	15	08OCT13	08OCT13	28OCT13	28OCT13	69	0.00		0.00
2485-0025	AWARD - 3200i/s TMPx2	1	29OCT13	29OCT13	29OCT13	29OCT13	69	0.00		0.00
2485-0026	Fabricate or delivery - 3200i/s TMPx2	90	30OCT13	30OCT13	18MAR14	18MAR14	69	87,750.00		0.00
2485-0028	Prep Req & proc pckg - New VAT Valves	2	07OCT13	07OCT13	08OCT13	08OCT13	8	366.28		0.00
2485-0029	SUBMIT REQ TO PROC- New VAT Valves	1	09OCT13	09OCT13	09OCT13	09OCT13	77	183.14		0.00
2485-0030	Procurement lead time (1)- New VAT Valves	15	10OCT13	10OCT13	30OCT13	30OCT13	77	0.00		0.00
2485-0031	AWARD- New VAT Valves	1	31OCT13	31OCT13	31OCT13	31OCT13	77	0.00		0.00
2485-0032	Fabricate or delivery - New VAT Valves	80	01NOV13	01NOV13	06MAR14	06MAR14	77	29,700.00		0.00
2485-0034	Prep Req & proc pckg - Vacuum Instrumentation	4	10OCT13	10OCT13	15OCT13	15OCT13	85	3,662.80		0.00
2485-0035	SUBMIT REQ TO PROC- Vacuum Instrumentation	1	16OCT13	16OCT13	16OCT13	16OCT13	85	183.14		0.00
2485-0036	Procurement lead time (1)- Vacuum Instrumentatn	15	17OCT13	17OCT13	06NOV13	06NOV13	85	0.00		0.00
2485-0037	AWARD- Vacuum Instrumentation	1	07NOV13	07NOV13	07NOV13	07NOV13	85	0.00		0.00
2485-0038	Fabricate or delivery - Vacuum Instrumentation	90	08NOV13	08NOV13	27MAR14	27MAR14	85	5,400.00		0.00
2485-0040	Prep Req & proc pckg - Misc Mtrl/Comp for Ducts	4	09OCT13	09OCT13	14OCT13	14OCT13	8	2,380.82		0.00
2485-0041	SUBMIT REQ TO PROC - Misc Mtrl/Comp for Ducts	1	15OCT13	15OCT13	15OCT13	15OCT13	8	183.14		0.00
2485-0042	Procurement lead time (1) - Mtrl/Comp for Duct	15	16OCT13	16OCT13	05NOV13	05NOV13	8	0.00		0.00
2485-0043	AWARD - Misc Mtrl/Comp for Ducts	1	06NOV13	06NOV13	06NOV13	06NOV13	8	0.00		0.00
2485-0044	Fabricate or delivery - Misc Mtrl/Comp for Ducts	70	07NOV13	07NOV13	26FEB14	26FEB14	83	32,400.00		0.00
2485-0044A	Fabricate or delivery - All Other Mtrl/Component	160	07NOV13*	07NOV13*	03JUL14	03JUL14	8	44,162.80		0.00
Installation										
2485-0046	Installation Procedure	10	07OCT13*	07OCT13*	18OCT13	18OCT13	166	7,325.60		0.00
2485-0047	Pre-Assemble Duct Legs 1 and 2	15	19MAR14*	19MAR14*	08APR14	08APR14	69	27,523.68		0.00
2485-0048	Leak Checking	3	31JUL14	31JUL14	04AUG14	04AUG14	15	1,378.08		0.00
2485-0049	Install TVPS Supports/	8	07JUL14	07JUL14	16JUL14	16JUL14	8	15,097.24		0.00
2485-0050	Install Ducts/Pumps	10	17JUL14*	17JUL14*	30JUL14	30JUL14	8	14,687.44		0.00
2485-0050A	Install Vacuum Instrumentation	10	31JUL14	31JUL14	13AUG14	13AUG14	8	18,250.00		0.00
2485-0051	PTP Testing	10	14AUG14	14AUG14	27AUG14	27AUG14	8	2,920.64		0.00
FY102485	FY10 Actual Cost	40	01MAR10A	01MAR10A	30APR10A	30APR10A		5,206.00	100	5,206.00
FY102485A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		28,285.00	100	28,285.00



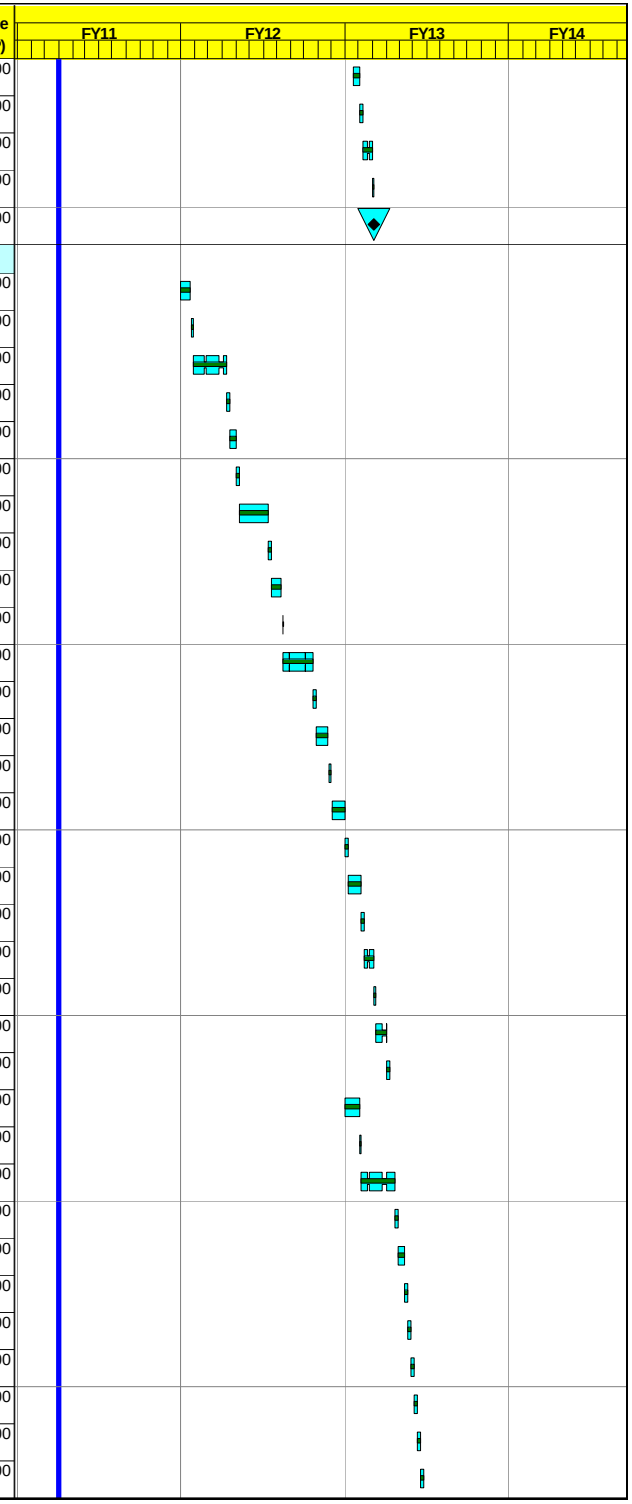
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
Job: 2490 - NTC Equipt Relocations-PERRY										
Removal Procedures										
24910010	Prep procd rack 419 removal - UCLA Reflectometer	3	**03OCT11***	*03OCT11**	**05OCT11**	*05OCT11*	204	**4,141.92**		0.00
24910160	Prep procedure rack 440 removal-SPRED & VIPS	3	**06OCT11**	*06OCT11*	**10OCT11**	*10OCT11*	204	**4,141.92**		0.00
24910210	Prep procedure rack 441-445 removal-VV ion gages	3	**11OCT11**	*11OCT11*	**13OCT11**	*13OCT11*	204	**4,141.92**		0.00
24910260	Prep procedure rack 447-448 removal-Fiber Optics	3	**14OCT11**	*14OCT11*	**18OCT11**	*18OCT11*	204	**4,141.92**		0.00
24910310	Prep procedure rack 449 removal - Glow Discharge	3	**19OCT11**	*19OCT11*	**21OCT11**	*21OCT11*	204	**4,141.92**		0.00
24910360	Prep proced rack 456 removal-Xray Crystal Spectr	3	**24OCT11**	*24OCT11*	**26OCT11**	*26OCT11*	204	**4,141.92**		0.00
24910380	Prp procd rack 488 remv-Dep monitr/fast xray/NPA	3	**27OCT11**	*27OCT11*	**31OCT11**	*31OCT11*	204	**4,141.92**		0.00
24910430	Prep procedure rack 489 removal - NPA	3	**01NOV11**	*01NOV11*	**03NOV11**	*03NOV11*	204	**4,141.92**		0.00
24910450	Prep procedure rack removal - PSI Camera	3	**04NOV11**	*04NOV11*	**08NOV11**	*08NOV11*	204	**4,141.92**		0.00
24910500	Prp procd rack removal -Ultra Fast X-ray Camera	3	**09NOV11**	*09NOV11*	**11NOV11**	*11NOV11*	204	**4,141.92**		0.00
24910550	Prep procd rack removal-Transmsn Grating Spectro	3	**14NOV11**	*14NOV11*	**16NOV11**	*16NOV11*	204	**4,141.92**		0.00
24910700	Prp procd equipt removal Bay J-Two gas injectors	1	**17NOV11**	*17NOV11*	**17NOV11**	*17NOV11*	204	**1,387.92**		0.00
24910750	Prep procd equipment removal Bay J - Reflectomer	1	**18NOV11**	*18NOV11*	**18NOV11**	*18NOV11*	204	**1,387.92**		0.00
24910800	Prep procdur equipment removal Bay J - Bolometer	1	**21NOV11**	*21NOV11*	**21NOV11**	*21NOV11*	204	**1,387.92**		0.00
24910850	Prep procdure equipment removal Bay J - RF Prove	1	**22NOV11**	*22NOV11*	**22NOV11**	*22NOV11*	204	**1,387.92**		0.00
24910900	Prep procedure equipment removal Bay J - S-Flip	1	**23NOV11**	*23NOV11*	**23NOV11**	*23NOV11*	204	**1,387.92**		0.00
24910950	Prep procedure equipment removal Bay J - SSNPA	1	**28NOV11**	*28NOV11*	**28NOV11**	*28NOV11*	204	**1,387.92**		0.00
24911000	Prp procd equipt removal Bay J-Re-entrant Window	1	**29NOV11**	*29NOV11*	**29NOV11**	*29NOV11*	204	**1,387.92**		0.00
24911050	Prp procd equipt removal Bay K-High K Scattering	5	**30NOV11**	*30NOV11*	**06DEC11**	*06DEC11*	204	**6,939.60**		0.00
24911070	Prep procdure equipment removal Bay K - FireTips	5	**07DEC11**	*07DEC11*	**13DEC11**	*13DEC11*	204	**6,939.60**		0.00
24911090	Prep procdu equipment removal Bay K - PSI Camera	3	**14DEC11**	*14DEC11*	**16DEC11**	*16DEC11*	204	**4,163.76**		0.00
24911110	Prp procedure equipment removal Bay K - NPA	5	**19DEC11**	*19DEC11*	**23DEC11**	*23DEC11*	204	**6,939.60**		0.00
24911130	Prp procd equipt remov Bay K-Ultra Fast Xray Cam	1	**03JAN12**	*03JAN12*	**03JAN12**	*03JAN12*	204	**1,387.92**		0.00
24911150	Prp procd equipt removal Bay K-IR Window f/Camra	1	**04JAN12**	*04JAN12*	**04JAN12**	*04JAN12*	204	**1,387.92**		0.00
24911200	Prp procd equip removal Bay K-Trans Grating Spec	1	**05JAN12**	*05JAN12*	**05JAN12**	*05JAN12*	204	**1,387.92**		0.00
24911250	Prep procd EQ remval Bay L pmp duct-VV Ion Gages	2	**06JAN12**	*06JAN12*	**09JAN12**	*09JAN12*	204	**2,775.84**		0.00
24911300	Prp procd EQ rem BayL pmp duct-X-ray Crystal Spe	1	**10JAN12**	*10JAN12*	**10JAN12**	*10JAN12*	204	**1,387.92**		0.00
24911320	Prep procedu equip removal Bay L pump duct-SPRED	1	**11JAN12**	*11JAN12*	**11JAN12**	*11JAN12*	204	**1,387.92**		0.00
24911390	Prep procedure equip removal Bay L pump duct-RGA	2	**12JAN12**	*12JAN12*	**13JAN12**	*13JAN12*	204	**2,775.84**		0.00
24911460	Prep procdu equip removal Bay L pump duct-LOWEUS	1	**16JAN12**	*16JAN12*	**16JAN12**	*16JAN12*	204	**1,387.92**		0.00
24911630	Prp procd EQ remov Bay L pmp duct-MPTS Beam Dump	1	**17JAN12**	*17JAN12*	**17JAN12**	*17JAN12*	204	**1,387.92**		0.00
24911642	Prp procd EQ remov Bay L pmp duct-Pump Duct	4	**18JAN12**	*18JAN12*	**23JAN12**	*23JAN12*	204	**1,387.92**		0.00
24911750	Prep procdur Power/Ground/Light @ Platform W NTC	5	**24JAN12**	*24JAN12*	**30JAN12**	*30JAN12*	204	**6,859.84**		0.00
24911820	Prp procd EQ Remov Misc. - Gas Delivery System	1	**31JAN12**	*31JAN12*	**31JAN12**	*31JAN12*	204	**1,387.92**		0.00
24911840	Prp procd EQ Remov Misc. - NW Sect 109' Platform	2	**01FEB12**	*01FEB12*	**02FEB12**	*02FEB12*	204	**2,775.84**		0.00
24911860	Prp procd EQ Remov Misc. - Convenience Outlets	5	**03FEB12**	*03FEB12*	**09FEB12**	*09FEB12*	204	**6,939.60**		0.00
24911880	Prp procd EQ Remov Misc. - Cat 3 & Cat 4 Bus	5	**10FEB12**	*10FEB12*	**16FEB12**	*16FEB12*	204	**6,939.60**		0.00



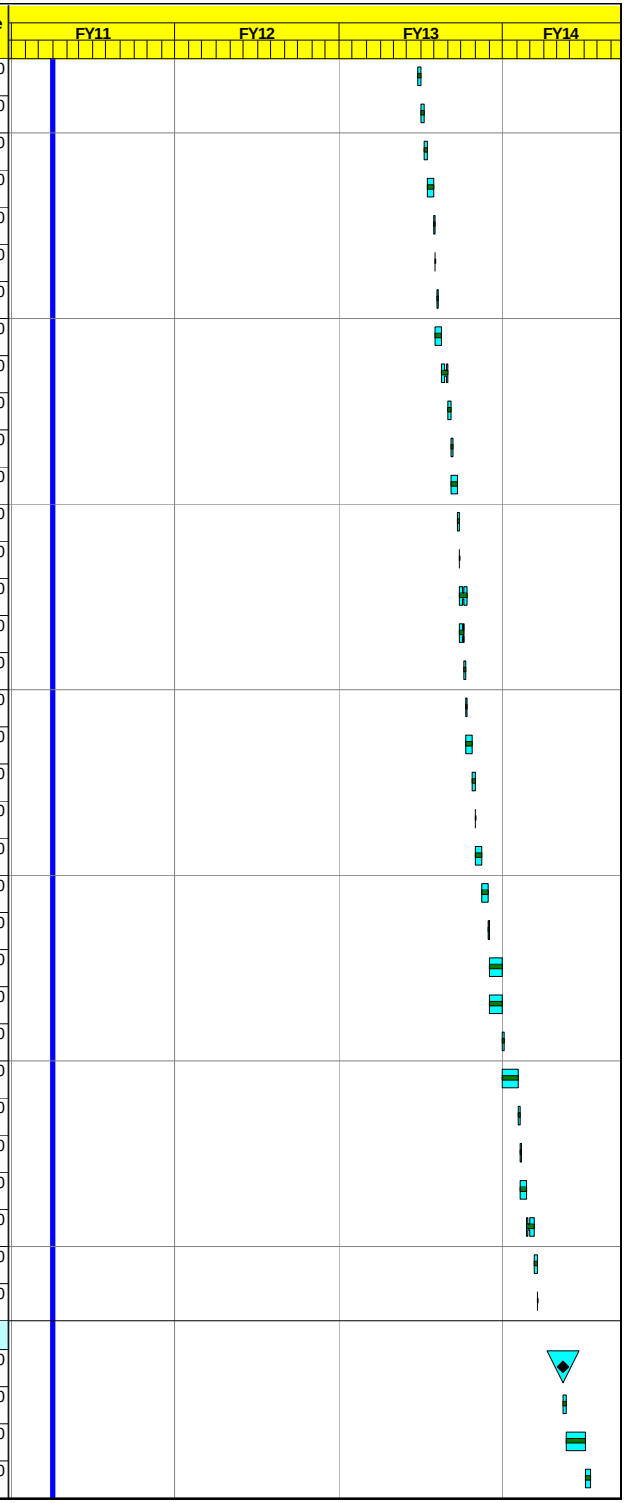
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
24911900	Prp procd EQ Remv Misc-Lights/E-stops/Fire Alarm	6	**17FEB12**	*17FEB12*	**24FEB12**	*24FEB12*	204	**8,327.52**		0.00
24911920	Prp procd EQ Rem Misc-Glow Disch Splice Box/Disc	2	**27FEB12**	*27FEB12*	**28FEB12**	*28FEB12*	204	**2,775.84**		0.00
Removals										
24910019	BEGIN DIAG REMOVALS	0			**02APR12***	*02APR12**	180	**0.00**		0.00
24910020	Remove rack 419 - UCLA Reflectometer	4	**03APR12**	*03APR12*	**06APR12**	*06APR12*	180	**8,472.20**		0.00
24910170	Remove rack 440 - SPRED and VIPS	8	**09APR12**	*09APR12*	**18APR12**	*18APR12*	180	**14,639.60**		0.00
24910220	Remove rack 441-445 - VV ion gages, RGA	15	**19APR12**	*19APR12*	**09MAY12**	*09MAY12*	180	**31,761.16**		0.00
24910270	Remove rack 447-448 - Fiber Optics	5	**10MAY12**	*10MAY12*	**16MAY12**	*16MAY12*	180	**11,593.48**		0.00
24910320	Remove rack 449 - Glow Discharge	10	**17MAY12**	*17MAY12*	**31MAY12**	*31MAY12*	180	**21,677.32**		0.00
24910370	Remove rack 456 --Xray Crystal Spectr	7	**01JUN12**	*01JUN12*	**11JUN12**	*11JUN12*	180	**15,074.76**		0.00
24910390	Remove rack 488 - Depositn monitor/fast xray/NPA	7	**12JUN12**	*12JUN12*	**20JUN12**	*20JUN12*	180	**15,074.76**		0.00
24910440	Remove rack 489 - NPA	10	**21JUN12**	*21JUN12*	**05JUL12**	*05JUL12*	180	**21,677.32**		0.00
24910460	Remove rack - PSI Camera	2	**06JUL12**	*06JUL12*	**09JUL12**	*09JUL12*	180	**4,990.92**		0.00
24910510	Remove rack - Ultra Fast X-ray Camera	2	**10JUL12**	*10JUL12*	**11JUL12**	*11JUL12*	180	**4,990.92**		0.00
24910560	Remove rack - Transmission Grating Spectrometer	3	**12JUL12**	*12JUL12*	**16JUL12**	*16JUL12*	180	**6,731.56**		0.00
24910690	Moving equipment In & Out of NTC	6	**17JUL12**	*17JUL12*	**24JUL12**	*24JUL12*	180	**13,205.12**		0.00
24910710	Remove Bay J - Two gas injectors	1	**25JUL12**	*25JUL12*	**25JUL12**	*25JUL12*	180	**1,869.64**		0.00
24910760	Remove Bay J - Reflectomer	1	**26JUL12**	*26JUL12*	**26JUL12**	*26JUL12*	180	**1,869.64**		0.00
24910810	Remove Bay J - Bolometer	1	**27JUL12**	*27JUL12*	**27JUL12**	*27JUL12*	180	**1,869.64**		0.00
24910860	Remove Bay J - RF Prove	1	**30JUL12**	*30JUL12*	**30JUL12**	*30JUL12*	180	**1,869.64**		0.00
24910910	Remove Bay J - S-Flip	1	**31JUL12**	*31JUL12*	**31JUL12**	*31JUL12*	180	**1,869.64**		0.00
24910960	Remove Bay J - SSNPA	1	**01AUG12**	*01AUG12*	**01AUG12**	*01AUG12*	180	**999.32**		0.00
24911010	Remove Bay J - Re-entrant Window	1	**02AUG12**	*02AUG12*	**02AUG12**	*02AUG12*	180	**999.32**		0.00
24911060	Remove Bay K - High K Scattering	10	**03AUG12**	*03AUG12*	**16AUG12**	*16AUG12*	180	**34,941.80**		0.00
24911080	Remove Bay K - FireTips	5	**17AUG12**	*17AUG12*	**23AUG12**	*23AUG12*	180	**17,535.40**		0.00
24911100	Remove Bay K - PSI Camera	4	**24AUG12**	*24AUG12*	**29AUG12**	*29AUG12*	180	**14,054.12**		0.00
24911120	Remove Bay K - NPA	10	**30AUG12**	*30AUG12*	**13SEP12**	*13SEP12*	180	**34,941.80**		0.00
24911140	Remove Bay K - Ultra Fast X-ray Camera	1	**14SEP12**	*14SEP12*	**14SEP12**	*14SEP12*	180	**999.32**		0.00
24911160	Remove Bay K - IR Window for Camera	1	**17SEP12**	*17SEP12*	**17SEP12**	*17SEP12*	180	**999.32**		0.00
24911210	Remove Bay K - Transmission Grating Spectrometer	1	**18SEP12**	*18SEP12*	**18SEP12**	*18SEP12*	180	**999.32**		0.00
24911260	Remove Bay Bay L pump duct-VV Ion Gages/Filament	2	**19SEP12***	*19SEP12**	**20SEP12**	*20SEP12*	180	**3,610.28**		0.00
24911310	Remove Bay Bay L pump duct--X-ray Crystal Spectr	1	**21SEP12**	*21SEP12*	**21SEP12**	*21SEP12*	180	**2,739.96**		0.00
24911330	Remove Bay L pump duct-SPRED	1	**24SEP12**	*24SEP12*	**24SEP12**	*24SEP12*	180	**1,869.64**		0.00
24911400	Remove Bay L pump duct-RGA	3	**25SEP12**	*25SEP12*	**27SEP12**	*27SEP12*	180	**5,350.92**		0.00
24911470	Remove Bay L pump duct - LOWEUS	3	**28SEP12**	*28SEP12*	**02OCT12**	*02OCT12*	180	**1,896.07**		0.00
24911640	Remove Bay L pump duct-MPTS Beam Dump Window	1	**03OCT12**	*03OCT12*	**03OCT12**	*03OCT12*	180	**1,020.64**		0.00
24911646	Remove Bay L pump duct-Pump Duct	1	**04OCT12**	*04OCT12*	**04OCT12**	*04OCT12*	180	**17,307.52**		0.00
24911830	Remove Misc. EQ. - Gas Delivery System	4	**05OCT12**	*05OCT12*	**10OCT12**	*10OCT12*	180	**18,363.52**		0.00
24911850	Remove Misc. EQ - NW Sect 109' Platform	6	**11OCT12**	*11OCT12*	**18OCT12**	*18OCT12*	180	**33,485.28**		0.00



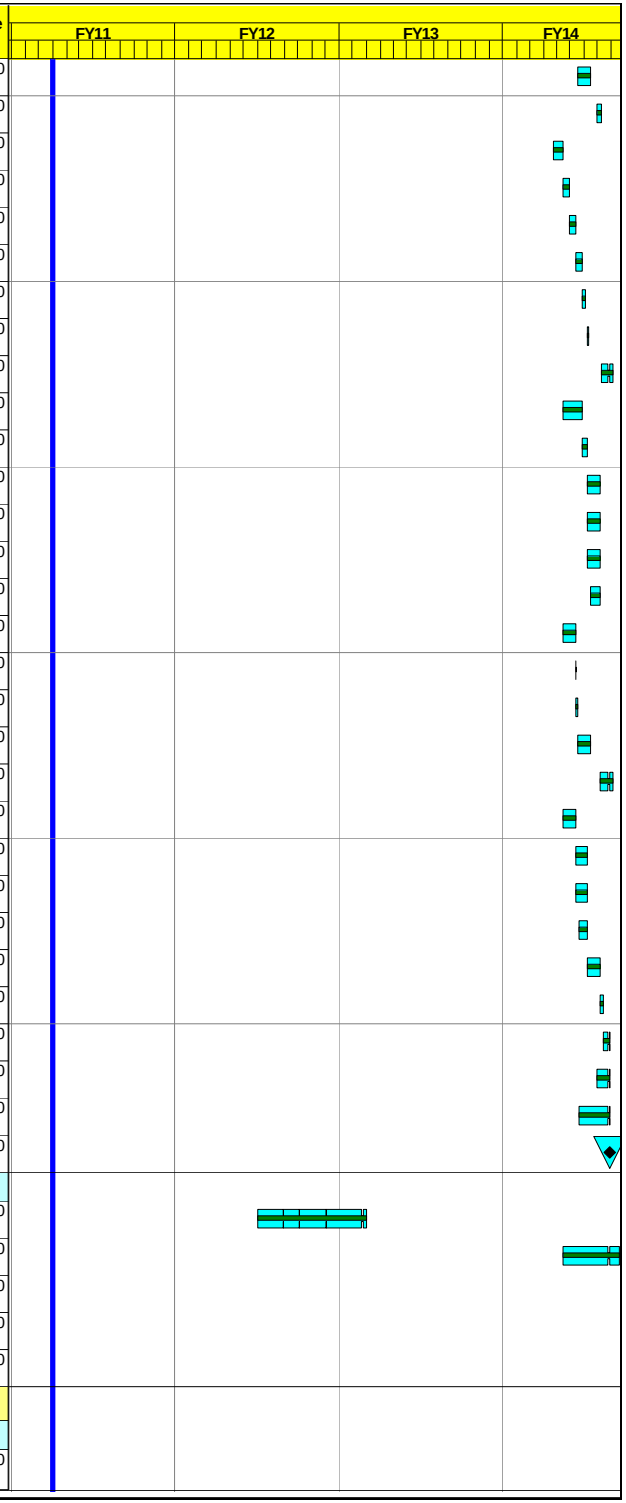
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
24911870	Remove Misc. EQ - Convenience Outlets	10	**19OCT12**	*19OCT12*	**01NOV12**	*01NOV12*	180	**23,330.72**		0.00
24911890	Remove Misc. EQ - Cat 3 & Cat 4 Bus	5	**02NOV12**	*02NOV12*	**08NOV12**	*08NOV12*	180	**14,351.68**		0.00
24911910	Remove Misc. EQ-Lights/E-stops/Fire Alarm	13	**09NOV12**	*09NOV12*	**29NOV12**	*29NOV12*	180	**32,715.20**		0.00
24911930	Remove Misc. EQ-Glow Disch Splice Box/Disc	2	**30NOV12**	*30NOV12*	**03DEC12**	*03DEC12*	180	**6,287.20**		0.00
24919999	REMOVALS COMPLETE	0			**03DEC12**	*03DEC12*	180	**0.00**		0.00
Design, Procurement & Fabr of Re-installations										
24910030	Dsgn rack 419 re-installation - UCLA Reflectomer	17	**29SEP11***	*29SEP11**	**21OCT11**	*21OCT11*	73	**23,741.77**		0.00
24910040	Prep procd rack 419 reinstalltn-UCLA Reflectomet	3	**24OCT11**	*24OCT11*	**26OCT11**	*26OCT11*	73	**4,668.16**		0.00
24910080	Dsgn rack 431-435 reinstallatn-VV T/C/magnetics	45	**27OCT11**	*27OCT11*	**09JAN12**	*09JAN12*	73	**70,496.64**		0.00
24910090	Prep procd rack 431-435 reinstln-VV T/C/magnetic	5	**10JAN12**	*10JAN12*	**16JAN12**	*16JAN12*	73	**6,859.84**		0.00
24910180	Design rack 440 re-installation - SPRED	13	**17JAN12**	*17JAN12*	**02FEB12**	*02FEB12*	73	**19,587.20**		0.00
24910190	Prep procd rack 440 reinstallatn-SPRED	3	**03FEB12**	*03FEB12*	**07FEB12**	*07FEB12*	73	**4,668.16**		0.00
24910230	Dsgn rack 441-445 re-installatn-VV ion gages/RGA	46	**08FEB12**	*08FEB12*	**11APR12**	*11APR12*	73	**65,142.48**		0.00
24910240	Prep procd rack 441-445 reinstln-VV ion gage/RGA	5	**12APR12**	*12APR12*	**18APR12**	*18APR12*	73	**6,859.84**		0.00
24910280	Design rack 447-448 re-installation-Fiber Optics	17	**19APR12**	*19APR12*	**11MAY12**	*11MAY12*	73	**23,970.56**		0.00
24910290	Prep procd rack 447-448 re-installtn-Fiber Optics	3	**14MAY12**	*14MAY12*	**16MAY12**	*16MAY12*	73	**4,668.16**		0.00
24910330	Design rack 449 re-installation - Glow Discharge	45	**17MAY12**	*17MAY12*	**20JUL12**	*20JUL12*	73	**67,916.64**		0.00
24910340	Prep procedure rack 449 reinstall-Glow Discharge	5	**23JUL12**	*23JUL12*	**27JUL12**	*27JUL12*	73	**6,859.84**		0.00
24910400	Dsgn rack 488 reinstal-Dep monitr/fast xray	20	**30JUL12**	*30JUL12*	**24AUG12**	*24AUG12*	73	**28,638.72**		0.00
24910410	Prp procd rck 488 reinst-Dep montr/fast xray	5	**27AUG12**	*27AUG12*	**31AUG12**	*31AUG12*	73	**6,859.84**		0.00
24910470	Design rack re-installation - PSI Camera	20	**04SEP12**	*04SEP12*	**01OCT12**	*01OCT12*	73	**28,669.56**		0.00
24910480	Prep procedure rack re-installation - PSI Camera	5	**02OCT12**	*02OCT12*	**08OCT12**	*08OCT12*	73	**7,007.04**		0.00
24910520	Dsgn rack reinstallation-Ultra Fast X-ray Camera	20	**09OCT12**	*09OCT12*	**05NOV12**	*05NOV12*	73	**29,255.52**		0.00
24910530	Prp procd rack reinstall-Ultra Fast X-ray Camera	5	**06NOV12**	*06NOV12*	**12NOV12**	*12NOV12*	73	**7,007.04**		0.00
24910570	Dsgn rack reinstall- Transmissn Grating Spectrom	13	**13NOV12**	*13NOV12*	**03DEC12**	*03DEC12*	73	**15,958.08**		0.00
24910580	Prp procd rack reinstall-Transm Grating Spectrom	3	**04DEC12**	*04DEC12*	**06DEC12**	*06DEC12*	73	**7,409.28**		0.00
24910600	Design rack re-installation -IR Camera at Bay L	12	**07DEC12**	*07DEC12*	**02JAN13**	*02JAN13*	73	**18,891.84**		0.00
24910610	Prep procd rack re-installatn-IR Camera at Bay L	3	**03JAN13**	*03JAN13*	**07JAN13**	*07JAN13*	73	**4,769.28**		0.00
24910630	Design rack re-installation - IR Camera at Bay K	24	**01OCT12***	*01OCT12**	**01NOV12**	*01NOV12*	33	**41,651.04**		0.00
24910640	Prep procedure rack reinstall-IR Camera at Bay K	3	**02NOV12**	*02NOV12*	**06NOV12**	*06NOV12*	33	**4,769.28**		0.00
24910660	Dsgn rack reinstall-Reconf AC & Diagnostic Trays	45	**07NOV12**	*07NOV12*	**21JAN13**	*21JAN13*	33	**79,945.44**		0.00
24910670	Prp procd rack reinstall-Reconf AC & Diagnt Tray	5	**22JAN13**	*22JAN13*	**28JAN13**	*28JAN13*	33	**7,007.04**		0.00
24910730	Prep procd Equipt reinstln Bay J-Two gas injectr	10	**29JAN13**	*29JAN13*	**11FEB13**	*11FEB13*	33	**14,171.20**		0.00
24910780	Prep procd Equipt reinstln Bay J-Reflectomer	5	**12FEB13**	*12FEB13*	**18FEB13**	*18FEB13*	33	**7,085.60**		0.00
24910830	Prep procd Equipt reinstln Bay J-Bolometer	5	**19FEB13**	*19FEB13*	**25FEB13**	*25FEB13*	33	**7,085.60**		0.00
24910880	Prep procd Equipt reinstln Bay J-RF Prove	5	**26FEB13**	*26FEB13*	**04MAR13**	*04MAR13*	33	**7,085.60**		0.00
24910930	Prep procd Equipt reinstln Bay J-S-Flip	5	**05MAR13**	*05MAR13*	**11MAR13**	*11MAR13*	33	**7,085.60**		0.00
24910980	Prep procd Equipt reinstln Bay J-SSNPA	5	**12MAR13**	*12MAR13*	**18MAR13**	*18MAR13*	33	**7,085.60**		0.00
24911030	Prep procd Equip reinst Bay J-Re-entrant Window	5	**19MAR13**	*19MAR13*	**25MAR13**	*25MAR13*	33	**7,085.60**		0.00



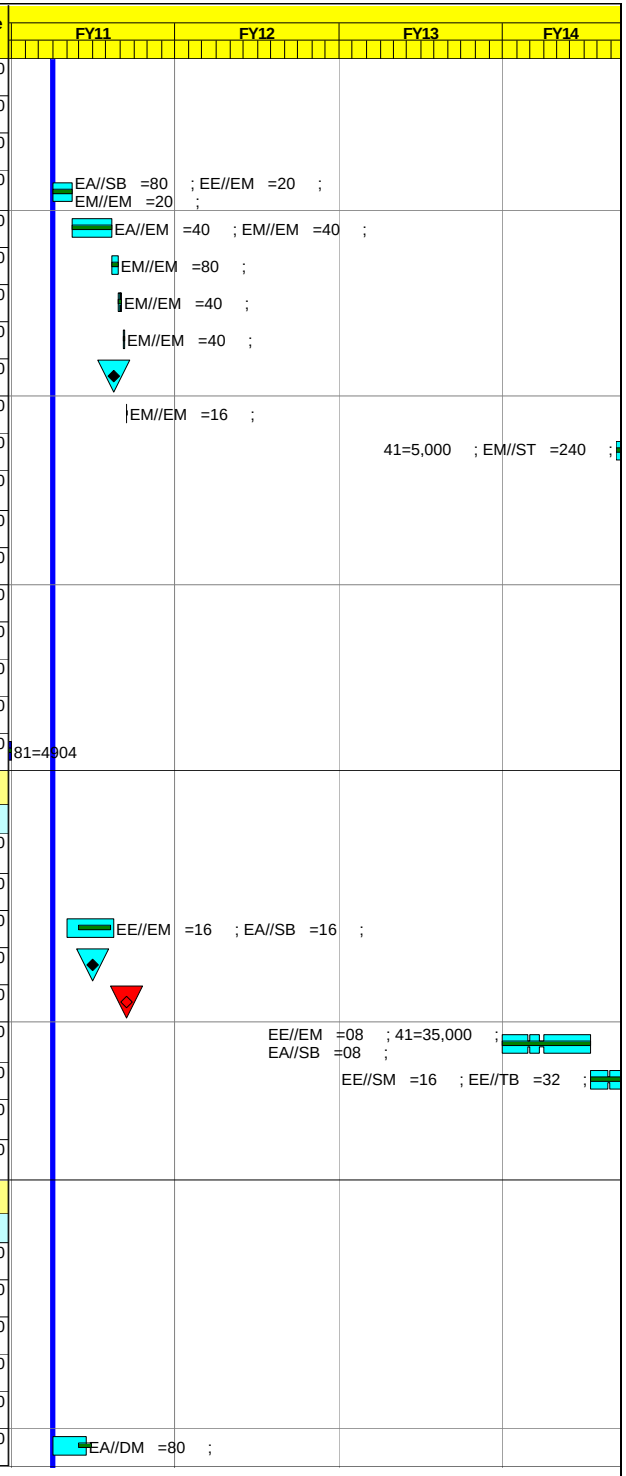
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
24911180	Prep procd Equip reinst NB2 Duct-IR Window f/Cam	5	26MAR13	26MAR13	01APR13	01APR13	33	7,085.60		0.00
24911230	Prep procd EQ reinst NB2 Duct-Trans Gratng Spect	5	02APR13	02APR13	08APR13	08APR13	33	7,085.60		0.00
24911280	Prep procd EQ reinstal New pmp duct-VV Ion Gages	5	09APR13	09APR13	15APR13	15APR13	33	7,085.60		0.00
24911340	Design Equip re-installatn Bay L - SPRED	10	16APR13	16APR13	29APR13	29APR13	33	18,274.40		0.00
24911350	Prep procedure Equip re-installatn Bay L -SPRED	3	30APR13	30APR13	02MAY13	02MAY13	33	4,773.76		0.00
24911360	Procure Equipment re-installatn Bay L - SPRED	1	03MAY13	03MAY13	03MAY13	03MAY13	185	4,057.12		0.00
24911370	Fabrication Equipment re-installatn Bay L-SPRED	5	06MAY13	06MAY13	10MAY13	10MAY13	185	8,886.40		0.00
24911410	Prelim Design New Pump Duct - RGA	10	03MAY13	03MAY13	16MAY13	16MAY13	33	25,360.00		0.00
24911420	Final Design New Pump Duct - RGA	10	17MAY13	17MAY13	31MAY13	31MAY13	33	25,360.00		0.00
24911430	Prep procd Equip reinstalltn New Pump Duct - RGA	5	03JUN13	03JUN13	07JUN13	07JUN13	33	7,011.52		0.00
24911440	Procure Equipment reinstallatn New Pump Duct-RGA	1	10JUN13	10JUN13	10JUN13	10JUN13	165	11,977.12		0.00
24911480	Design Bay L - LOWEUS	10	10JUN13	10JUN13	21JUN13	21JUN13	33	18,274.40		0.00
24911490	Prep procedure Equip re-installatn Bay L- LOWEUS	3	24JUN13	24JUN13	26JUN13	26JUN13	33	4,773.76		0.00
24911500	Procure Equipment re-installatn Bay L- LOWEUS	1	27JUN13	27JUN13	27JUN13	27JUN13	142	1,417.12		0.00
24911510	Fabrication Equipment re-installatn Bay L-LOWEUS	10	28JUN13	28JUN13	15JUL13	15JUL13	142	8,886.40		0.00
24911530	Design Bay L - IR Camera	6	27JUN13	27JUN13	08JUL13	08JUL13	33	15,189.12		0.00
24911540	Prep procdu Equip re-installatn Bay L- IR Camera	3	09JUL13	09JUL13	11JUL13	11JUL13	33	4,237.92		0.00
24911550	Procure Equip re-installatn Bay L- IR Camera	1	12JUL13	12JUL13	12JUL13	12JUL13	143	2,640.00		0.00
24911580	Design Bay L - Glow Discharge	10	12JUL13	12JUL13	25JUL13	25JUL13	33	18,274.40		0.00
24911590	Prep procdu EQ reinstallatn Bay L-Glow Discharge	3	26JUL13	26JUL13	30JUL13	30JUL13	33	4,773.76		0.00
24911600	Procure EQ re-installatn Bay L-Glow Discharge	1	31JUL13	31JUL13	31JUL13	31JUL13	33	4,057.12		0.00
24911610	Fabrication EQ reinstallatn Bay L-Glow Discharge	10	01AUG13	01AUG13	14AUG13	14AUG13	33	8,886.40		0.00
24911700	Design 5 sections of Platform El 118' W Side NTC	10	15AUG13	15AUG13	28AUG13	28AUG13	33	18,646.72		0.00
24911710	Prep procd 5 sections of Platform El 118' W Side	3	29AUG13	29AUG13	03SEP13	03SEP13	33	4,251.36		0.00
24911720	Fab 5 sections of Platform El 118' W Side NTC	20	04SEP13	04SEP13	01OCT13	01OCT13	87	53,275.36		0.00
24911740	Fin Dsgn Power/Ground/Light @ Platform WSide NTC	20	04SEP13	04SEP13	01OCT13	01OCT13	33	31,946.16		0.00
24911760	Procurements Power/Ground/Light @ Platform W NTC	1	02OCT13	02OCT13	02OCT13	02OCT13	86	5,400.00		0.00
24911780	Design 42 Ckt Panel NTC/30 Ckt Panel Gallery	25	02OCT13	02OCT13	05NOV13	05NOV13	33	34,749.76		0.00
24911790	Prep procd 42 Ckt Panel NTC/30 Ckt Panel Gallery	3	06NOV13	06NOV13	08NOV13	08NOV13	33	4,927.84		0.00
24911800	Procuremnt 42 Ckt Panel NTC/30 Ckt Panel Gallery	1	11NOV13	11NOV13	11NOV13	11NOV13	58	81,000.00		0.00
24911940	Prel Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	11NOV13	11NOV13	22NOV13	22NOV13	33	26,219.20		0.00
24911950	Fin Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	25NOV13	25NOV13	10DEC13	10DEC13	33	26,219.20		0.00
24911960	Prep proc EQ Reinst New Pmp Duct-Tank Farm/TMB S	5	11DEC13	11DEC13	17DEC13	17DEC13	33	14,651.20		0.00
24911970	Proc EQ Reinst New Pmp Duct-Tank Farm/TMB Sys/Ga	1	18DEC13	18DEC13	18DEC13	18DEC13	33	18,900.00		0.00
Re-Installation										
24910049	BEGIN RE-INSTALLATION OF DIAGNOSTICS	0			12FEB14	12FEB14	1	0.00		0.00
24910050	re-install rack 419 - UCLA Reflectometer	6	13FEB14	13FEB14	20FEB14	20FEB14	1	11,294.64		0.00
24910100	re-install rack 431-435 - VV T/C & magnetics	30	21FEB14	21FEB14	03APR14	03APR14	1	68,132.72		0.00
24910200	re-install rack 440 - SPRED	8	04APR14	04APR14	15APR14	15APR14	1	15,805.80		0.00



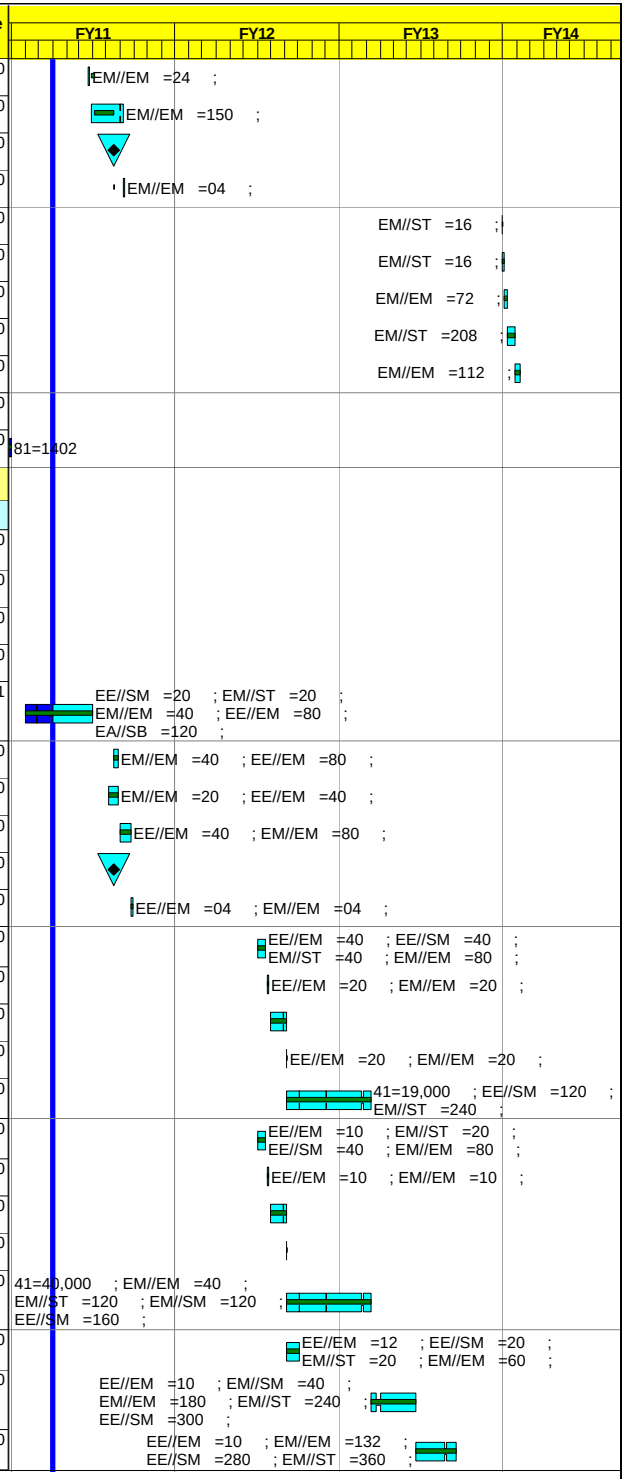
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
24910250	re-install rack 441-445 - VV ion gages, RGA	20	19MAR14	19MAR14	15APR14	15APR14	1	42,692.40		0.00
24910300	re-install rack 447-448 - Fiber Optics	10	28APR14	28APR14	09MAY14	09MAY14	14	14,455.80		0.00
24910350	re-install rack 449 - Glow Discharge	15	23JAN14	23JAN14	12FEB14	12FEB14	35	31,611.60		0.00
24910420	re-install rack 488-Dep monitor/fast xray	10	13FEB14	13FEB14	26FEB14	26FEB14	35	21,993.12		0.00
24910490	re-install rack - PSI Camera	10	27FEB14	27FEB14	12MAR14	12MAR14	35	21,074.40		0.00
24910540	re-install rack - Ultra Fast X-ray Camera	10	13MAR14	13MAR14	26MAR14	26MAR14	35	21,074.40		0.00
24910590	re-install rack-Transmission Grating Spectrometr	7	27MAR14	27MAR14	04APR14	04APR14	35	14,752.08		0.00
24910620	re-install rack - IR Camera at Bay L	4	07APR14	07APR14	10APR14	10APR14	35	8,699.76		0.00
24910650	re-install rack - IR Camera at Bay K	15	12MAY14	12MAY14	02JUN14	02JUN14	14	31,611.60		0.00
24910680	re-install rack-Reconfigure AC & Diagnostic tray	30	13FEB14	13FEB14	26MAR14	26MAR14	20	82,417.52		0.00
24910740	re-install Equipment Bay J - Two gas injectors	10	27MAR14	27MAR14	09APR14	09APR14	20	21,074.40		0.00
24910790	re-install Equipment Bay J - Reflectomer	20	10APR14	10APR14	07MAY14	07MAY14	20	49,436.00		0.00
24910840	re-install Equipment Bay J - Bolometer	20	10APR14	10APR14	07MAY14	07MAY14	20	49,436.00		0.00
24910890	re-install Equipment Bay J - RF Prove	20	10APR14	10APR14	07MAY14	07MAY14	20	49,436.00		0.00
24910940	re-install Equipment Bay J - S-Flip	15	17APR14	17APR14	07MAY14	07MAY14	20	49,436.00		0.00
24910990	re-install Equipment Bay J - SSNPA	20	13FEB14	13FEB14	12MAR14	12MAR14	36	49,436.00		0.00
24911040	re-install Equipment Bay J - Re-entrant Window	1	13MAR14	13MAR14	13MAR14	13MAR14	36	1,053.72		0.00
24911190	re-install Equipment NB2 Duct-IR Window f/Camera	3	14MAR14	14MAR14	18MAR14	18MAR14	36	3,161.16		0.00
24911240	reinstall Equip NB2 Duct-Transm Grating Spectro	20	19MAR14	19MAR14	15APR14	15APR14	36	49,436.00		0.00
24911290	reinstall EQ New pump duct-VV Ion Gages/Filament	20	08MAY14	08MAY14	05JUN14	05JUN14	20	49,436.00		0.00
24911380	re-install Bay L - SPRED	20	13FEB14	13FEB14	12MAR14	12MAR14	25	42,148.80		0.00
24911450	Re-install New Pump Duct - RGA	20	13MAR14	13MAR14	09APR14	09APR14	25	42,148.80		0.00
24911520	re-install Bay L - LOWEUS	20	13MAR14	13MAR14	09APR14	09APR14	25	42,148.80		0.00
24911570	re-install Bay L - IR Camera	15	20MAR14	20MAR14	09APR14	09APR14	25	16,480.80		0.00
24911620	re-install Bay L - Glow Discharge	20	10APR14	10APR14	07MAY14	07MAY14	25	42,148.80		0.00
24911730	instl 5 sections of Platform El 118' W Side NTC	5	08MAY14	08MAY14	14MAY14	14MAY14	25	21,912.80		0.00
24911770	Install Power/Ground/Light @ Platform W Side NTC	10	15MAY14	15MAY14	29MAY14	29MAY14	25	21,074.40		0.00
24911810	Install 42 Ckt Panel NTC/30 Ckt Panel Gallery	20	01MAY14	01MAY14	29MAY14	29MAY14	25	49,436.00		0.00
24911980	Reinstall New Pmp Duct-Tank Farm/TMB Sys/Gas So	50	20MAR14	20MAR14	29MAY14	29MAY14	25	110,818.72		0.00
24911999	DIAGNOSTICS RE-INSTALLED	0			29MAY14	29MAY14	25	0.00		0.00
24910001	Test Cell Oversight during diag removals	169	03APR12	03APR12	30NOV12	30NOV12	181	158,321.15		0.00
24910002	Test Cell Oversight during diag re-installation	87	13FEB14	13FEB14	16JUN14	16JUN14	74	266,711.52		0.00
FY092490	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		143,025.00	100	143,025.00
FY102490	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		115,145.00	100	115,145.00
FY102490A	FY10 Actual Cost	45	01JUN10A	01JUN10A	30JUL10A	30JUL10A		20,036.00	100	20,036.00
Job: 3200 - Water Cooling System Mods-DENAULT										
3200-0015	Prelim Dsn-Design Drawings	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00



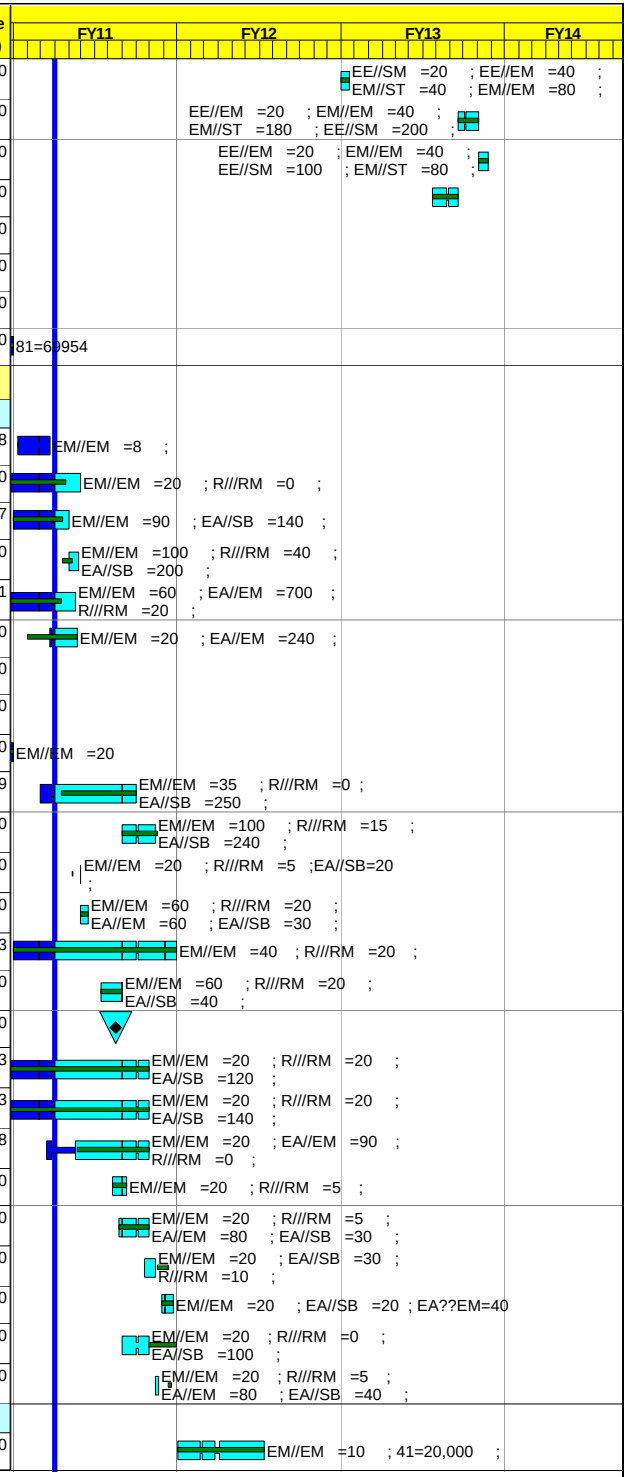
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
3200-0016	Prelim Dsn-PDR Prep	5	**15JUN10A**	*15JUN10A*	**21JUN10A**	*21JUN10A*		**0.00**	**100**	0.00
3200-0017	Prelim Dsn-CONDUCT PDR	2	**22JUN10A**	*22JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
3200-0021	Final Design-Disposition PDR Chits	2	**24JUN10A**	*24JUN10A*	**25JUN10A**	*25JUN10A*		**0.00**	**100**	0.00
3200-0022	Final Design-Design Drawings	30	**03JAN11***	*03JAN11**	**11FEB11**	*11FEB11*	1	**16,614.80**		0.00
3200-0023	Final Design-Update Analyses	64*	**14FEB11**	*14FEB11*	**12MAY11**	*12MAY11*	1	**14,035.60**		0.00
3200-0024	Final Design-Update Cost & Schedule Estimate	10	**13MAY11**	*13MAY11*	**26MAY11**	*26MAY11*	1	**12,656.80**		0.00
3200-0025	Final Design-Prep Procurement Specs	5	**27MAY11**	*27MAY11*	**03JUN11**	*03JUN11*	1	**6,328.40**		0.00
3200-0026	Final Design-FDR Prep	5	**06JUN11**	*06JUN11*	**10JUN11**	*10JUN11*	1	**6,328.40**		0.00
3200-0026A	Water Cooling System - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
3200-0027	Final Design-CONDUCT FDR	2	**13JUN11**	*13JUN11*	**14JUN11**	*14JUN11*	1	**2,531.36**		0.00
3200-0055	Bus Work Cooling	10	**11JUN14**	*11JUN14*	**24JUN14**	*24JUN14*	31	**34,311.60**		0.00
3200-0057	Flow Sensors	5	**25JUN14**	*25JUN14*	**01JUL14**	*01JUL14*	31	**28,304.40**		0.00
3200-0059	Modify Manifold	10	**02JUL14**	*02JUL14*	**16JUL14**	*16JUL14*	31	**34,311.60**		0.00
3200-0061	Fab & Connect Lines	5	**17JUL14***	*17JUL14**	**23JUL14**	*23JUL14*	31	**20,530.80**		0.00
3200-0063	Leak Check	2	**24JUL14**	*24JUL14*	**25JUL14**	*25JUL14*	31	**3,674.88**		0.00
FY093000	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**5,447.00**	**100**	5,447.00
FY103000	FY10 Actual Cost	40	**01OCT09A**	*01OCT09A*	**30NOV09A**	*30NOV09A*		**3,956.00**	**100**	3,956.00
FY103200	FY10 Actual Cost	22	**01APR10A**	*01APR10A*	**30APR10A**	*30APR10A*		**1,301.00**	**100**	1,301.00
FY103200A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**4,904.00**	**100**	4,904.00
Job: 3300 - Bakeout System Mods for CSU-RAKI										
3300-105	Bakeout- Prelim Design	37	**03MAY10A**	*03MAY10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
3300-110	Bakeout-PDR	0			**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
3300-115	Bakeout-Final Design	75*	**01MAR11***	*01FEB11**	**09MAY11**	*16MAY11*	21	**4,764.80**		0.00
3300-117	Bakeout-Peer Review	0			**31MAR11**	*30MAR11**	2,361	**0.00**		0.00
3300-120	Bakeout-FDR	0			**15JUN11***	*15JUN11**	0	**0.00**		0.00
3300-125	Bakeout-Procure Hardware	130	**01OCT13***	*01OCT13**	**14APR14**	*14APR14*	13	**50,007.84**		0.00
3300-130	Bakeout-Assembly	65	**15APR14**	*15APR14*	**16JUL14**	*16JUL14*	13	**5,986.24**		0.00
3300-135	Bakeout-Installation	20	**17JUL14**	*17JUL14*	**13AUG14**	*13AUG14*	13	**9,988.84**		0.00
3300-140	Bakeout-Test	5	**14AUG14**	*14AUG14*	**20AUG14**	*20AUG14*	13	**8,434.12**		0.00
Job: 3400 - Gas Delivery System Mods-BLANCHARD										
3400-0016	Update Cost & Schedule Estimate - Gas Delivery S	2	**03MAY10A**	*03MAY10A*	**04MAY10A**	*04MAY10A*		**0.00**	**100**	0.00
3400-0017	Design Drawings - Gas Delivery Sys Mod	3	**05MAY10A**	*05MAY10A*	**07MAY10A**	*07MAY10A*		**0.00**	**100**	0.00
3400-0018	PDR Prep - Gas Delivery Sys Mod	9	**10JUN10A**	*10JUN10A*	**22JUN10A**	*22JUN10A*		**0.00**	**100**	0.00
3400-0019	CONDUCT PDR - Gas Delivery Sys Mod	1	**23JUN10A**	*23JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
3400-0022	Disposition PDR Chits - Gas Delivery Sys Mod	2	**23JUN10A**	*23JUN10A*	**24JUN10A**	*24JUN10A*		**0.00**	**100**	0.00
3400-0023	Design Drawings - Gas Delivery Sys Mod	55	**01MAR11***	*03JAN11**	**28MAR11**	*18MAR11*	4	**10,148.00**		0.00



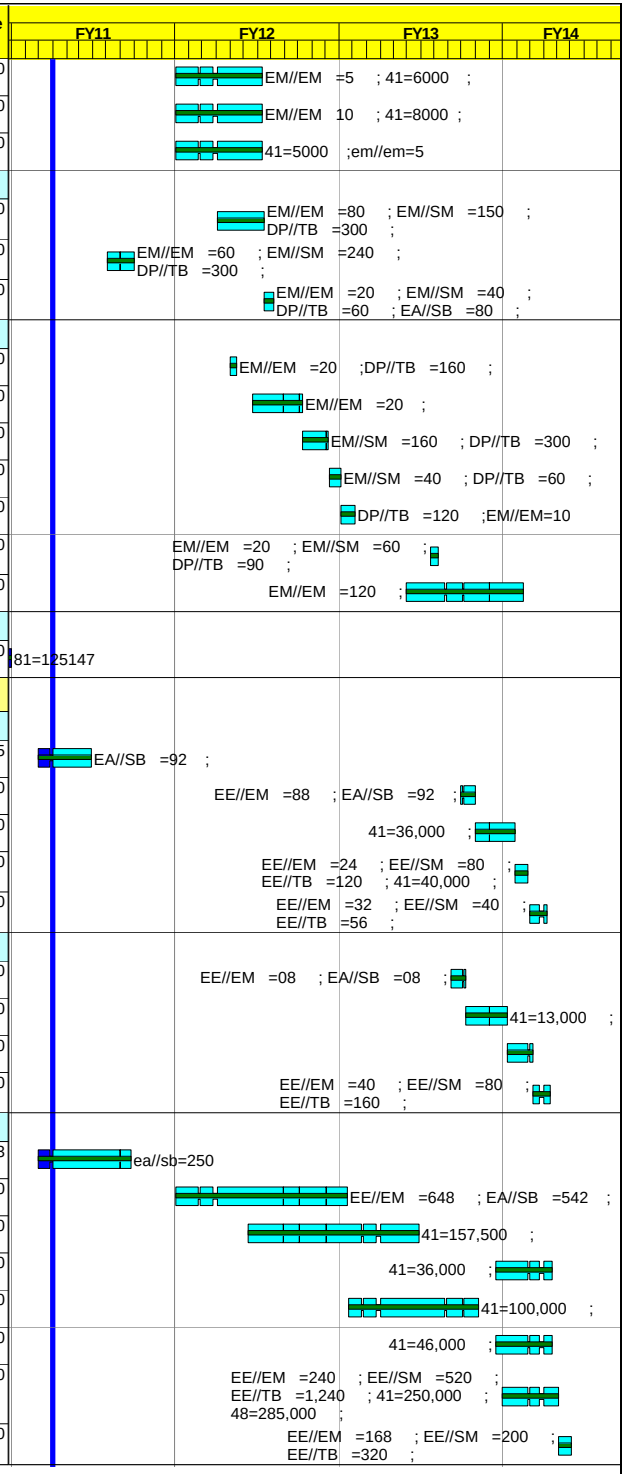
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
3400-0025	Update Cost & Schedule Estimate - Gas Delivery S	5	**29MAR11**	*21MAR11*	**04APR11**	*25MAR11*	4	**3,797.04**		0.00
3400-0027	FDR Prep - Gas Delivery Sys Mod	52	**05APR11**	*28MAR11*	**16MAY11**	*08JUN11*	4	**23,731.50**		0.00
3400-0027A	Gas Delivery System - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
3400-0028	CONDUCT FDR	1	**17MAY11***	*09JUN11**	**17MAY11**	*09JUN11*	4	**632.84**		0.00
3400-0046	Shop Fabrication - Gas Delivery Sys Mod	1	**01OCT13***	*01OCT13**	**01OCT13**	*01OCT13*	205	**1,837.44**		0.00
3400-0047	Assembly - Gas Delivery Sys Mod	1	**02OCT13**	*02OCT13*	**02OCT13**	*02OCT13*	205	**1,837.44**		0.00
3400-0050	Installation Procedure/Oversight - Gas Delivery	6	**03OCT13**	*03OCT13*	**10OCT13**	*10OCT13*	205	**13,186.08**		0.00
3400-0051	Machine Installation - Gas Delivery Sys Mod	13	**11OCT13**	*11OCT13*	**29OCT13**	*29OCT13*	205	**23,886.72**		0.00
3400-0052	PTP Testing/Programming - Gas Delivery Sys Mod	7	**30OCT13**	*30OCT13*	**07NOV13**	*07NOV13*	205	**20,511.68**		0.00
FY103400	FY10 Actual Cost	17	**01DEC09A**	*01DEC09A*	**23DEC09A**	*23DEC09A*		**1,318.00**	**100**	1,318.00
FY103400A	FY10 Actual Cost	130	**01APR10A**	*01APR10A*	**30SEP10A**	*30SEP10A*		**1,402.00**	**100**	1,402.00
Job: 4100 - Center Stack Diagnostics-KAITA										
4100-0017	Prelim Dsn-Design Drawings	25	**03MAY10A**	*03MAY10A*	**07JUN10A**	*07JUN10A*		**0.00**	**100**	0.00
4100-0018	Prelim Dsn-PDR Prep	10	**08JUN10A**	*08JUN10A*	**21JUN10A**	*21JUN10A*		**0.00**	**100**	0.00
4100-0019	Prelim Dsn-CONDUCT PDR	2	**22JUN10A**	*22JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
4100-0022	Final Dsn-Disposition PDR Chits	10	**08JUN10A**	*08JUN10A*	**21JUN10A**	*21JUN10A*		**0.00**	**100**	0.00
4100-0023	Final Dsn-Design Drawings	101*	**01NOV10***	*01NOV10A*	**31MAR11**	*31MAR11*	265	**40,239.40**	**65**	26,155.61
4100-0025	Final Dsn-Update Cost & Schedule Estimate	10	**16MAY11***	*16MAY11*	**27MAY11**	*27MAY11*	240	**20,159.60**		0.00
4100-0026	Final Dsn-Prep Procurement Specs	16	**06MAY11***	*06MAY11*	**27MAY11**	*27MAY11*	240	**10,079.80**		0.00
4100-0027	Final Dsn-FDR Prep	19	**31MAY11**	*31MAY11*	**24JUN11**	*24JUN11*	240	**19,572.40**		0.00
4100-0027A	CS Diagnostic - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
4100-0028	Final Dsn-CONDUCT FDR	2	**27JUN11**	*27JUN11*	**28JUN11***	*28JUN11**	240	**1,324.40**		0.00
4100-0032	Wire/Cables-Prep Requisition and procurement pac	15	**02APR12***	*02APR12**	**20APR12**	*20APR12*	37	**32,627.60**		0.00
4100-0033	Wire/Cables-SUBMIT REQ TO PROCUREMENT	5	**23APR12**	*23APR12*	**27APR12**	*27APR12*	37	**7,261.60**		0.00
4100-0034	Wire/Cables-Procurement lead time (1)	25	**30APR12**	*30APR12*	**04JUN12**	*04JUN12*	37	**0.00**		0.00
4100-0035	Wire/Cables-AWARD	1	**05JUN12**	*05JUN12*	**05JUN12**	*05JUN12*	37	**7,261.60**		0.00
4100-0036	Wire/Cables-Fabricate or delivery	130	**06JUN12**	*06JUN12*	**10DEC12**	*10DEC12*	37	**71,643.14**		0.00
4100-0038	Coils w/mandrels -Prep Requisition & procurement	15	**02APR12***	*02APR12**	**20APR12**	*20APR12*	37	**24,764.10**		0.00
4100-0039	Coils w/mandrels - SUBMIT REQ TO PROCUREMENT	5	**23APR12**	*23APR12*	**27APR12**	*27APR12*	37	**3,630.80**		0.00
4100-0040	Coils w/mandrels - Procurement lead time (1)	25	**30APR12**	*30APR12*	**04JUN12**	*04JUN12*	37	**0.00**		0.00
4100-0041	Coils w/mandrels - AWARD	1	**05JUN12**	*05JUN12*	**05JUN12**	*05JUN12*	37	**0.00**		0.00
4100-0042	Coils w/mandrels - Fabricate or delivery	130	**06JUN12**	*06JUN12*	**10DEC12**	*10DEC12*	37	**120,564.54**		0.00
4100-0045	Fab/Assy Procedure	20	**06JUN12**	*06JUN12*	**03JUL12**	*03JUL12*	147	**18,266.88**		0.00
4100-0046	Shop Fabrication	65	**11DEC12***	*11DEC12**	**20MAR13**	*20MAR13*	37	**119,716.30**		0.00
4100-0047	Assembly	65	**21MAR13**	*21MAR13*	**20JUN13**	*20JUN13*	37	**114,001.78**		0.00



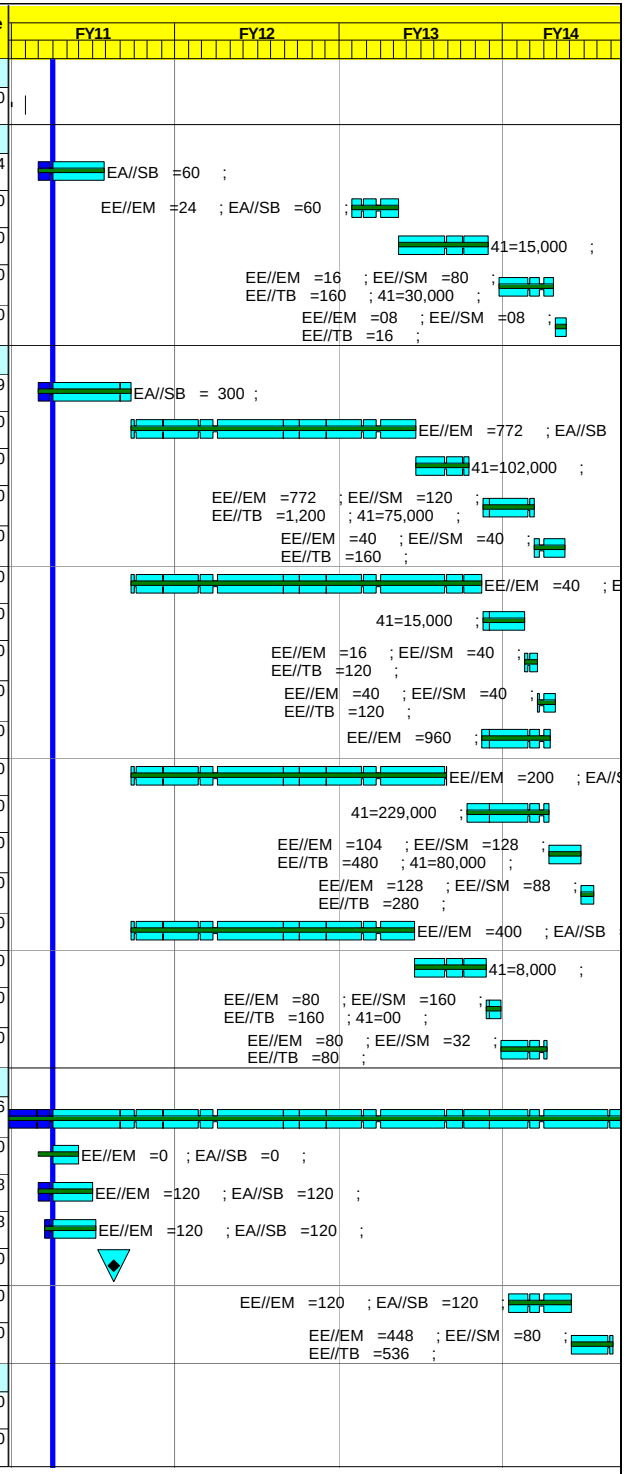
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
4100-0050	Installation Procedure (ex-vessel only)	15	**01OCT12***	*01OCT12**	**19OCT12**	*19OCT12*	201	**29,835.40**		0.00
4100-0051	Machine Installation (ex-vessel only)	30	**21JUN13**	*21JUN13*	**05AUG13**	*05AUG13*	37	**65,733.40**		0.00
4100-0052	PTP Testing	15	**06AUG13**	*06AUG13*	**26AUG13**	*26AUG13*	37	**37,234.40**		0.00
4100-0056	Mount Diagnostics in PFC Tiles	40	**25APR13**	*25APR13*	**20JUN13**	*20JUN13*	82	**0.00**		0.00
4100-FY09	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**11,000.00**	**100**	11,000.00
FY104000	FY10 Actual Cost	40	**01JAN10A**	*01JAN10A*	**26FEB10A**	*26FEB10A*		**-1,729.00**	**100**	-1,729.00
FY104100	FY10 Actual Cost	65	**01FEB10A**	*01FEB10A*	**30APR10A**	*30APR10A*		**12,432.00**	**100**	12,432.00
FY104100A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**69,954.00**	**100**	69,954.00
Job: 4500 - MPTS VV Modification-Labik										
Design										
MPTS-0003	PREPARE WORK PLANNING FORM	49*	**11OCT10***	*11OCT10A*	**12OCT10**	*20DEC10A*		**1,265.68**	**100**	1,265.68
MPTS-0004	Prep System Description	132*	**16AUG10A**	*16AUG10A*	**25JAN11**	*28FEB11*	65	**3,068.50**	**60**	1,841.10
MPTS-0007	Mechanical Design Bay L - Phase 1	79*	**01OCT10**	*01OCT10A*	**17JAN11**	*31JAN11*	84	**30,329.30**	**90**	27,296.37
MPTS-0008	Port Support Design Bay L	18	**18JAN11***	*01FEB11**	**10FEB11**	*24FEB11*	84	**47,648.20**		0.00
MPTS-0009	Stress Analysis - Bay L	126*	**11AUG10A**	*11AUG10A*	**14JAN11**	*15FEB11*	73	**142,213.69**	**95**	135,103.01
MPTS-0009A	Stress Analysis - Bay F	37*	**01NOV10***	*23DEC10A*	**21FEB11**	*21FEB11*	105	**52,830.00**	**25**	13,207.50
MPTS-0010	N/A Technical Support (see 0021)	49	**01SEP10A**	*01SEP10A*	**01SEP10A**	*01SEP10A*		**0.00**	**100**	0.00
MPTS-0011	Conceptual Design presented at PDR	7	**23AUG10A**	*23AUG10A*	**31AUG10A**	*31AUG10A*		**0.00**	**100**	0.00
MPTS-0011A	Conceptual Design Chits	20	**01SEP10A**	*01SEP10A*	**29SEP10A**	*29SEP10A*		**0.00**	**100**	0.00
MPTS-0014	Mechanical Design Bay F - Phase 2	145*	**17JAN11***	*01DEC10A*	**30JUN11**	*30JUN11*	284	**36,764.85**	**10**	3,676.49
MPTS-0015	Port Support Design Bay F	53*	**02JUN11***	*01JUN11**	**16AUG11**	*15AUG11*	253	**48,366.35**		0.00
MPTS-0020	CONDUCT PDR for MPTS	1	**10FEB11***	*28FEB11**	**10FEB11**	*28FEB11*	65	**6,518.05**		0.00
MPTS-0020A	Input for Global FDR	11	**01MAR11***	*01MAR11**	**15MAR11**	*15MAR11*	65	**28,223.30**		0.00
MPTS-0021	Technical Support General (LOE)	250*	**01OCT10**	*01OCT10A*	**30SEP11**	*30SEP11*	361	**9,751.00**	**LOE**	2,262.23
MPTS-0023	Disposition PDR Chits	33	**15APR11***	*15APR11**	**01JUN11**	*01JUN11*	287	**17,911.60**		0.00
MPTS-0023A	MPTS - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
MPTS-0025	Design Pro E Model - Phase 1 (Bay L)	218*	**15SEP10A**	*15SEP10A*	**29JUL11**	*29JUL11*	394	**10,737.36**	**90**	9,663.63
MPTS-0025A	Design Pro E Model - Phase 2 (Bay F)	218*	**15SEP10A**	*15SEP10A*	**29JUL11**	*29JUL11*	2,276	**10,737.36**	**10**	1,073.73
MPTS-0026	Update Optic & Stress Analyses	155*	**21FEB11***	*15DEC10A*	**29JUL11**	*29JUL11*	362	**20,505.40**	**20**	4,101.08
MPTS-0027	Update Cost & Schedule Estimate	24	**09MAY11***	*09MAY11**	**10JUN11**	*10JUN11*	304	**4,019.85**		0.00
MPTS-0028	Final Design Changes	48	**23MAY11***	*23MAY11**	**29JUL11**	*29JUL11*	294	**23,181.55**		0.00
MPTS-0028A	CONDUCT FDR MPTS VV interface	18	**17AUG11***	*21JUL11**	**12SEP11**	*15AUG11*	253	**8,622.80**		0.00
MPTS-0028C	CONDUCT FDR externals	18	**30AUG11***	*30AUG11**	**23SEP11**	*23SEP11*	2,237	**13,369.60**		0.00
MPTS-0029	Detail Drawings	43	**01AUG11***	*31MAY11**	**29SEP11**	*29JUL11*	289	**15,655.20**		0.00
MPTS-0030	FDR Chit Response	5	**13SEP11**	*16AUG11*	**19SEP11**	*22AUG11*	253	**24,430.65**		0.00
Procurement										
MPTS-0032	Bay L Wire Seal Flange & Nozzle w/Weld Prep	130	**03OCT11***	*03OCT11**	**11APR12**	*11APR12*	225	**27,534.90**		0.00



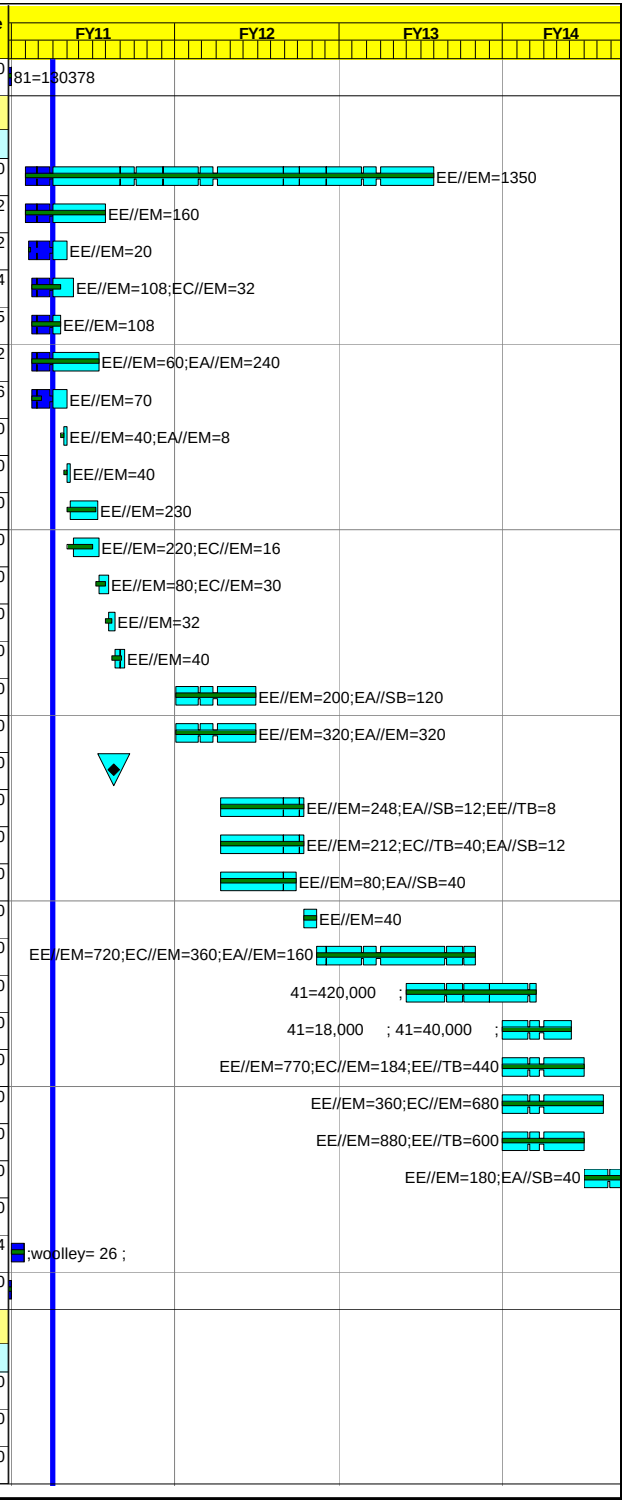
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
MPTS-0033	Bay L Port Cover	130	**03OCT11***	*03OCT11**	**11APR12**	*11APR12*	225	**8,607.45**		0.00
MPTS-0035	Misc Materials	130	**03OCT11***	*03OCT11**	**11APR12**	*11APR12*	225	**12,054.90**		0.00
MPTS-0036	Tooling	130	**03OCT11***	*03OCT11**	**11APR12**	*11APR12*	225	**7,317.45**		0.00
Fabrication										
MPTS-0038	Fabricate Tooling & New Port Support Assemblies	76	**03JAN12***	*03JAN12**	**17APR12**	*17APR12*	167	**70,390.20**		0.00
MPTS-0039	POP Vessel Wall Plate and Nozzle Mockup	42	**03MAY11***	*03MAY11**	**30JUN11**	*30JUN11*	413	**75,190.80**		0.00
MPTS-0041	Low Power Laser Holder for Bay L , F and F/G	15	**18APR12**	*18APR12*	**08MAY12**	*08MAY12*	212	**27,456.20**		0.00
Installation										
MPTS-0043A	Protective Enclosure Cutting Debris	12	**01FEB12***	*01FEB12**	**16FEB12**	*16FEB12*	270	**19,802.60**		0.00
MPTS-0044	Installation Procedure	79	**22MAR12**	*22MAR12*	**12JUL12**	*12JUL12*	167	**3,469.80**		0.00
MPTS-0045	SetUp Cutting Device Supp/Machine Penetr B-L/F/G	40	**13JUL12**	*13JUL12*	**07SEP12**	*07SEP12*	167	**58,236.80**		0.00
MPTS-0046	Set Up New Ports Support Bays L&F	18	**10SEP12**	*10SEP12*	**03OCT12**	*03OCT12*	167	**13,076.17**		0.00
MPTS-0047	Weld New Ports	23	**04OCT12**	*04OCT12*	**05NOV12**	*05NOV12*	167	**14,279.00**		0.00
MPTS-0048	Set up and Machine Bay F Edge	13	**24APR13***	*24APR13**	**10MAY13**	*10MAY13*	164	**23,518.30**		0.00
MPTS-0050	Metrology Support & leak check ports	183	**28FEB13**	*28FEB13*	**15NOV13**	*15NOV13*	109	**21,390.57**		0.00
FY104500A	FY10 Actuals Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**10,079.00**	**100**	10,079.00
Job: 5000 - CSU Power Systems-RAKI										
51 - AC Power										
510-003	51- AC Power -FINAL DESIGN PREP	78*	**01DEC10***	*01DEC10A*	**28MAR11**	*28MAR11*	616	**11,491.72**	**3**	344.75
510-005	51- AC Power -procedures, specs, revision	20	**01JUL13***	*01JUL13**	**30JUL13**	*30JUL13*	51	**29,901.28**		0.00
510-009	51- AC Power -Procurement	65	**31JUL13***	*31JUL13**	**30OCT13**	*30OCT13*	51	**47,885.54**		0.00
510-013	51- AC Power -Installation	20	**31OCT13**	*31OCT13*	**27NOV13**	*27NOV13*	51	**84,847.52**		0.00
510-017	51- AC Power -Test&Commission	20	**02DEC13**	*02DEC13*	**08JAN14**	*08JAN14*	51	**19,037.68**		0.00
52 - AC/DC Converters										
520-005	52 - AC/DC Converters - Dsn	20	**10JUN13***	*10JUN13**	**09JUL13**	*09JUL13*	46	**2,667.44**		0.00
520-009	52 - AC/DC Converters -Procurement	65	**10JUL13***	*10JUL13**	**09OCT13**	*09OCT13*	46	**17,202.00**		0.00
520-013	52 - AC/DC Converters -Reactivate	40	**10OCT13**	*10OCT13*	**06DEC13**	*06DEC13*	46	**0.00**		0.00
520-017	52 - AC/DC Converters -Test&Commission	20	**09DEC13**	*09DEC13*	**15JAN14**	*15JAN14*	46	**37,936.40**		0.00
531 - FCPC DC PF1 & TF Systems										
531-004	531- FCPC DC Systems FINAL DESIGN PREP	140*	**01DEC10***	*01DEC10A*	**23JUN11**	*23JUN11*	121	**31,227.50**	**3**	936.83
531-005	531- FCPC DC Systems procedures, specs, revision	263	**04OCT11***	*04OCT11**	**19OCT12**	*19OCT12*	51	**197,333.60**		0.00
531-013	531- FCPC DC Systems-Procure 1000MCM Cable&Tray	260	**13MAR12***	*13MAR12**	**27MAR13**	*27MAR13*	142	**205,337.60**		0.00
531-017	531- FCPC DC Systems Cabling Changes	80	**16SEP13***	*16SEP13**	**17JAN14**	*17JAN14*	24	**48,451.50**		0.00
531-021	531- FCPC DC Systems -Procure OH Reactors	195	**22OCT12**	*22OCT12*	**06AUG13**	*06AUG13*	51	**132,000.00**		0.00
531-025	531- FCPC DC Systems -OH React Install	80	**16SEP13***	*16SEP13**	**17JAN14**	*17JAN14*	24	**61,910.25**		0.00
531-029	531- FCPC DC Systems-Install cable & misc h/w	80	**01OCT13***	*01OCT13**	**03FEB14**	*03FEB14*	13	**913,018.00**		0.00
531-033	531- FCPC DC Systems -Test&Commission	20	**04FEB14**	*04FEB14*	**03MAR14**	*03MAR14*	13	**100,676.24**		0.00



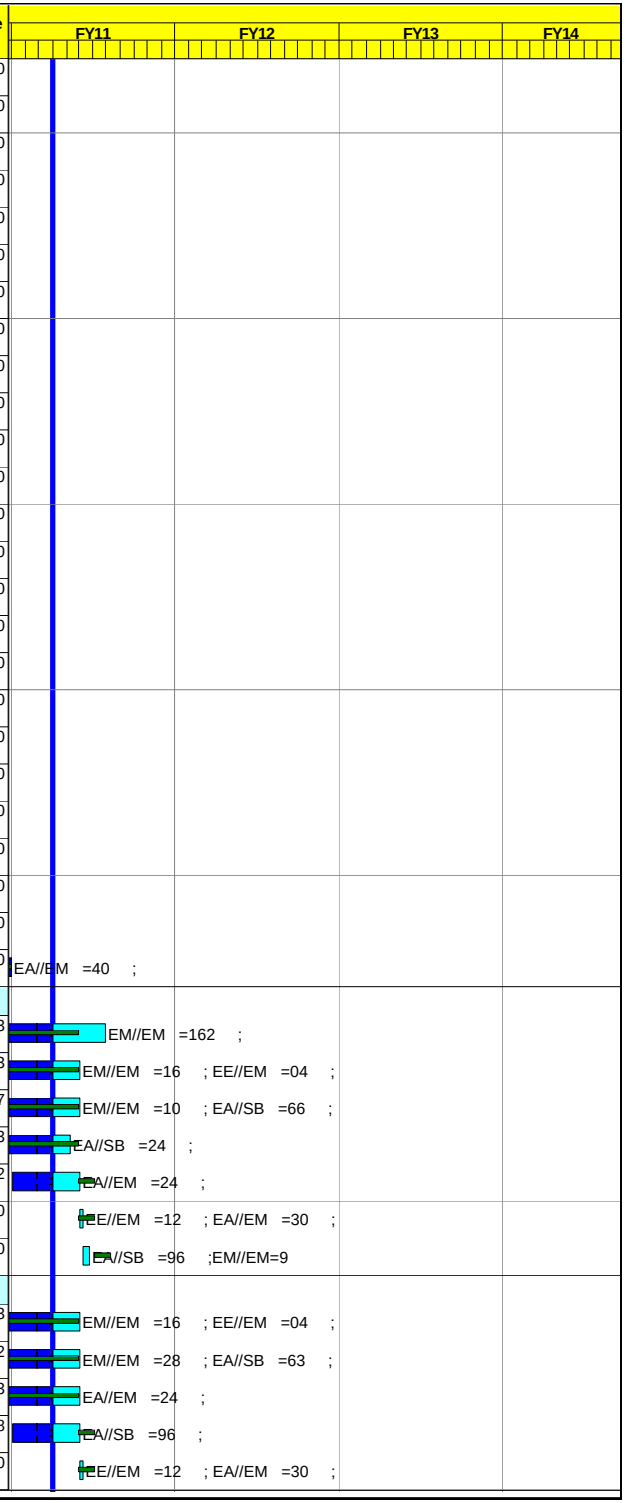
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
532 - FCPC PF5 DC Systems*NOT IN PROJECT SCOPE**										
530XXX		1	**01OCT10**	*01NOV10A*	**01OCT10**	*01NOV10A*		**0.00**	**100**	0.00
532 - TA-NTC DC Systems										
532-003	532- PCTS Changes -FINAL DESIGN PREP	99*	**01DEC10***	*01DEC10A*	**26APR11**	*26APR11*	415	**7,494.60**	**3**	224.84
532-005	532- PCTS Changes -procedures, specs, revision	65	**31OCT12***	*31OCT12**	**11FEB13**	*11FEB13*	34	**8,391.60**		0.00
532-009	532- PCTS Changes -Procurement	140	**12FEB13***	*12FEB13**	**29AUG13**	*29AUG13*	34	**19,800.00**		0.00
532-013	532- PCTS Changes -Installation	80	**23SEP13***	*23SEP13**	**24JAN14**	*24JAN14*	19	**73,484.41**		0.00
532-017	532- PCTS Changes -Test&Commission	20	**27JAN14**	*27JAN14*	**21FEB14**	*21FEB14*	19	**4,594.16**		0.00
54 - Control & Protection System										
541-001	Control & Protection Systems- FINAL DESIGN PREP	140*	**01DEC10***	*01DEC10A*	**23JUN11**	*23JUN11*	38	**37,473.00**	**3**	1,124.19
541-005	541 - Electrical Interlocks -proced, specs, revs	433	**24JUN11**	*24JUN11*	**21MAR13**	*21MAR13*	46	**203,256.67**		0.00
541-009	541 - Electrical Interlocks -Procurement PLC	80	**22MAR13***	*22MAR13**	**16JUL13**	*16JUL13*	46	**134,640.00**		0.00
541-013	541 - Electrical Interlocks -Installation	80	**19AUG13***	*19AUG13**	**11DEC13**	*11DEC13*	23	**389,491.44**		0.00
541-017	541 - Electrical Interlocks -Test&Commission	40	**12DEC13***	*12DEC13**	**17FEB14**	*17FEB14*	23	**30,744.40**		0.00
542-005	542 - Kirk Key Interlocks -Dsn	536	**24JUN11**	*24JUN11*	**16AUG13**	*16AUG13*	38	**18,490.16**		0.00
542-009	542 - Kirk Key Interlocks -Procurement	65	**19AUG13***	*19AUG13**	**18NOV13**	*18NOV13*	38	**20,042.31**		0.00
542-013	542 - Kirk Key Interlocks -Installation	20	**19NOV13**	*19NOV13*	**18DEC13**	*18DEC13*	38	**22,054.48**		0.00
542-017	542 - Kirk Key Interlocks -Test&Commission	20	**19DEC13**	*19DEC13*	**27JAN14**	*27JAN14*	38	**26,857.60**		0.00
543-005	543 - Real Time Control -Develop algorithms	100	**15AUG13***	*15AUG13**	**16JAN14**	*16JAN14*	45	**190,109.57**		0.00
545-005	545 - Instrumentation -Dsn	480	**24JUN11**	*24JUN11*	**28MAY13**	*28MAY13*	74	**56,776.90**		0.00
545-009	545 - Instrumentation -Procure Transducers	120	**15JUL13***	*15JUL13**	**13JAN14**	*13JAN14*	43	**306,001.25**		0.00
545-013	545 - Instrumentation -Installation	50	**14JAN14**	*14JAN14*	**24MAR14**	*24MAR14*	43	**198,469.52**		0.00
545-017	545 - Instrumentation -Test&Commission	20	**25MAR14**	*25MAR14*	**21APR14**	*21APR14*	43	**68,646.64**		0.00
546-005	546 - Coil Analog Protection Dsn	431	**24JUN11**	*24JUN11*	**19MAR13**	*19MAR13*	51	**94,196.36**		0.00
546-009	546 - Coil Analog Protection -Procurement	112	**20MAR13***	*20MAR13**	**27AUG13**	*27AUG13*	51	**10,560.00**		0.00
546-013	546 - Coil Analog Protection -Installation	20	**28AUG13***	*28AUG13**	**25SEP13**	*25SEP13*	51	**58,349.60**		0.00
546-017	546 - Coil Analog Protection -Test&Commission	65	**26SEP13**	*26SEP13*	**08JAN14**	*08JAN14*	51	**29,492.94**		0.00
55 - Systems Design & Integration										
551-001	551 - Sys Dsgn -design support, analysis (LOE)	1,098*	**03MAY10A**	*03MAY10A*	**25SEP14**	*25SEP14*	1,490	**412,014.46**	**LOE**	61,390.16
551-001A	551 - FDR Transition Area	41*	**01DEC10***	*03JAN11**	**28FEB11**	*28FEB11*	76	**0.00**	**3**	0.00
551-008	551 - FDR PF1a	81*	**01DEC10***	*01DEC10A*	**31MAR11**	*31MAR11*	53	**35,736.00**	**3**	1,072.08
551-009	551 - FDR TF/OH	76*	**15DEC10***	*15DEC10A*	**07APR11**	*07APR11*	123	**35,736.00**	**3**	1,072.08
551-009A	CSU Power System - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
552-001	552 - System Testing -Prepare Procedures	90	**15OCT13**	*15OCT13*	**03MAR14**	*03MAR14*	13	**41,367.60**		0.00
552-003	552 - System Testing -Testing	65	**04MAR14**	*04MAR14*	**03JUN14**	*03JUN14*	13	**156,125.36**		0.00
FY095000	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**385,771.00**	**100**	385,771.00
FY105000	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30APR10A**	*30APR10A*		**623,027.00**	**100**	623,027.00



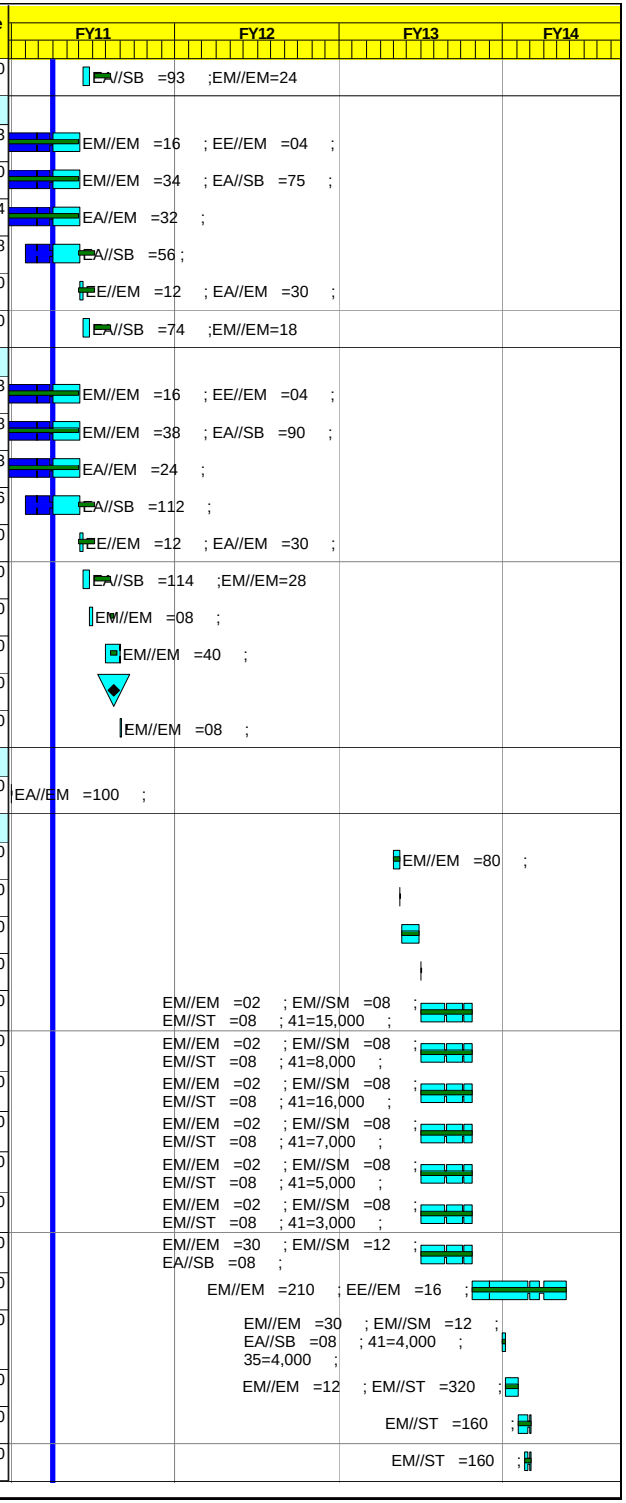
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
FY105000A	FY10 Actual Cost	130	**01APR10A**	*01APR10A*	**30SEP10A**	*30SEP10A*		**94,238.00**	**100**	94,238.00
Job: 5200 - Digital Coil Protection-HATCHER										
04	Project Oversigt	620*	**01NOV10***	*01NOV10A*	**29APR13**	*29APR13*	1,841	**248,849.99**	**LOE**	14,931.00
20	Systems Code Development	120*	**01NOV10***	*01NOV10A*	**27APR11**	*27APR11*	2,341	**27,662.40**	**80**	22,129.92
08	Prep System Description	53*	**08NOV10***	*08NOV10A*	**12NOV10**	*31JAN11*	1,911	**3,457.80**	**90**	3,112.02
11	Digital Conceptual Design	60*	**15NOV10**	*15NOV10A*	**19JAN11**	*16FEB11*	1,911	**22,957.88**	**45**	10,331.04
10	Analog Conceptual Design	40*	**15NOV10**	*15NOV10A*	**19JAN11**	*19JAN11*	1,926	**18,672.12**	**45**	8,402.45
12	Conceptual Design Analysis & Alg. Prep.	100*	**15NOV10**	*15NOV10A*	**13APR11**	*13APR11*	2,351	**56,616.60**	**20**	11,323.32
09	Prep System Requirements	48*	**15NOV10**	*15NOV10A*	**07DEC10**	*31JAN11*	2,403	**12,102.30**	**85**	10,286.96
13	CDR Prep. & Review	5	**20JAN11**	*25JAN11*	**26JAN11**	*31JAN11**	1,913	**8,457.04**		0.00
16	CDR Chit Resolution	5	**27JAN11***	*01FEB11**	**02FEB11**	*07FEB11*	1,913	**6,915.60**		0.00
17	Analog Preliminary Design	45	**03FEB11**	*08FEB11*	**06APR11**	*11APR11*	1,913	**39,764.70**		0.00
18	Digital Preliminary Design	40	**03FEB11**	*17FEB11*	**30MAR11**	*13APR11*	1,911	**40,178.68**		0.00
19	PDR Prep. & Review	15	**07APR11**	*14APR11*	**27APR11**	*04MAY11*	1,911	**17,849.10**		0.00
23	PDR Chit Resolution	10	**28APR11**	*05MAY11*	**11MAY11**	*18MAY11*	1,911	**5,532.48**		0.00
24	CSU FDR Prep	15	**12MAY11**	*19MAY11*	**02JUN11**	*09JUN11*	1,911	**6,915.60**		0.00
28	Systems Code - A	120	**03OCT11***	*03OCT11**	**28MAR12**	*28MAR12*	1,832	**54,355.60**		0.00
30	DCPS Algorithms	120	**03OCT11***	*03OCT11**	**28MAR12**	*28MAR12*	1,832	**128,281.60**		0.00
5200-0024A	DCP - Peer Review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
25	Analog Design - Pt. I	130	**12JAN12***	*12JAN12**	**13JUL12**	*13JUL12*	1,757	**49,398.48**		0.00
26	Digital Design - Pt. I	130	**12JAN12***	*12JAN12**	**13JUL12**	*13JUL12*	1,757	**44,816.44**		0.00
27	Hardware Interface	120	**12JAN12***	*12JAN12**	**28JUN12**	*28JUN12*	1,767	**20,646.40**		0.00
29	Final Design Review	20	**16JUL12**	*16JUL12*	**10AUG12**	*10AUG12*	1,757	**7,583.60**		0.00
35	Systems Code - B	240	**13AUG12**	*13AUG12*	**31JUL13**	*31JUL13*	1,757	**227,205.52**		0.00
5200013M	DCP -Hardware (procure & Install)	200	**01MAR13***	*01MAR13**	**13DEC13**	*13DEC13*	1,663	**557,676.00**		0.00
5200013N	DCP -Cabling and Raceways	100	**01OCT13***	*01OCT13**	**03MAR14**	*03MAR14*	1,615	**78,300.00**		0.00
34	Digital Design - Pt. II	120	**01OCT13***	*01OCT13**	**31MAR14**	*31MAR14*	1,515	**225,380.42**		0.00
32	Real Time Programming	150	**01OCT13***	*01OCT13**	**12MAY14**	*12MAY14*	1,565	**177,467.20**		0.00
33	Analog Design - Pt. II	120	**01OCT13***	*01OCT13**	**31MAR14**	*31MAR14*	1,595	**234,416.40**		0.00
31	External Interface & Response	80	**01APR14**	*01APR14*	**23JUL14**	*23JUL14*	1,515	**41,807.40**		0.00
36	Systems Integration & Testing	20	**24JUL14***	*24JUL14**	**20AUG14**	*20AUG14*	1,515	**41,970.40**		0.00
5200-010	Woolley October Budget	20	**01OCT10***	*01OCT10A*	**28OCT10**	*29OCT10A*		**4,495.14**	**100**	4,495.14
FY105200A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**83,402.00**	**100**	83,402.00
Job: 5501 - Coil Bus Runs-SMITH										
Design										
5501-0007	FEMA	5	**03MAY10A**	*03MAY10A*	**07MAY10A**	*07MAY10A*		**0.00**	**100**	0.00
5501-0009	Eng Dsgn: elect, thermal, EM & stress-OH BUS	4	**21MAY10A**	*21MAY10A*	**26MAY10A**	*26MAY10A*		**0.00**	**100**	0.00
5501-0010	CAD:Coaxial bus dsgn/bus routing/supports-OH BUS	5	**10MAY10A**	*10MAY10A*	**14MAY10A**	*14MAY10A*		**0.00**	**100**	0.00



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
5501-0011	Analysis Mech: thermal, EM & stress-OH BUS	2	17MAY10A	17MAY10A	18MAY10A	18MAY10A		0.00	100	0.00
5501-0012	Analysis Elec: electrical-OH BUS	2	17MAY10A	17MAY10A	18MAY10A	18MAY10A		0.00	100	0.00
5501-0014	Eng Dsgn: elect, thermal, EM & stress-PF BUS	4	27MAY10A	27MAY10A	02JUN10A	02JUN10A		0.00	100	0.00
5501-0015	CAD: bus routing, supports-PF BUS	5	07MAY10A	07MAY10A	13MAY10A	13MAY10A		0.00	100	0.00
5501-0016	Analysis Mech: thermal, EM & stress-PF BUS	2	14MAY10A	14MAY10A	17MAY10A	17MAY10A		0.00	100	0.00
5501-0017	Analysis Elec: electrical-PF BUS	2	14MAY10A	14MAY10A	17MAY10A	17MAY10A		0.00	100	0.00
5501-0019	Eng Dsgn: elect, thermal, EM & stress-TF BUS	4	03JUN10A	03JUN10A	08JUN10A	08JUN10A		0.00	100	0.00
5501-0020	CAD: bus routing, supports-TF BUS	10	13MAY10A	13MAY10A	26MAY10A	26MAY10A		0.00	100	0.00
5501-0021	Analysis Mech: thermal, EM & stress-TF BUS	2	27MAY10A	27MAY10A	28MAY10A	28MAY10A		0.00	100	0.00
5501-0022	Analysis Elec: electrical-TF BUS	2	27MAY10A	27MAY10A	28MAY10A	28MAY10A		0.00	100	0.00
5501-0024	Eng Dsgn: elect, thermal, EM & stress-CHI BUS	4	09JUN10A	09JUN10A	14JUN10A	14JUN10A		0.00	100	0.00
5501-0025	CAD:ring bus design/bus routing/supports-CHI BUS	18	26MAY10A	26MAY10A	21JUN10A	21JUN10A		0.00	100	0.00
5501-0026	Analysis Mech: thermal, EM & stress-CHI BUS	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0.00	100	0.00
5501-0027	Analysis Elec: electrical-CHI BUS	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0.00	100	0.00
5501-0028	Update Cost & Schedule Estimate	3	11JUN10A	11JUN10A	15JUN10A	15JUN10A		0.00	100	0.00
5501-0029	PDR Prep & PDR	6	16JUN10A	16JUN10A	23JUN10A	23JUN10A		0.00	100	0.00
5501-0030	Disposition of PDR CHITS	30	24JUN10A	24JUN10A	05AUG10A	05AUG10A		0.00	100	0.00
5501-0031	Eng Dsn & CAD Model Updates	38	23JUN10A	23JUN10A	25AUG10A	25AUG10A		0.00	100	0.00
5501-0032	OH Coaxial Bus Prelim Dsgn Updat/Optim Cmplt	8	24JUN10A	24JUN10A	06JUL10A	06JUL10A		0.00	100	0.00
5501-0033	PF Bus Prelim Dsgn Updat/Optim Cmplt	10	07JUL10A	07JUL10A	20JUL10A	20JUL10A		0.00	100	0.00
5501-0034	TF Bus Prelim Dsgn Updat/Optim Cmplt	10	21JUL10A	21JUL10A	03AUG10A	03AUG10A		0.00	100	0.00
5501-0035	CHI Bus Prelim Dsgn Updat/Optim Cmplt	10	04AUG10A	04AUG10A	17AUG10A	17AUG10A		0.00	100	0.00
5501-0037	Prep DOE CD-2 (Lehman) Review	5	04AUG10A	04AUG10A	10AUG10A	10AUG10A		0.00	100	0.00
5501-0038	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00
1305-0160	N/A OH Bus Bar Analysis(xfer f/j. Chrzanowski)	39*	02AUG10A	02AUG10A	30SEP10A	30SEP10A		0.00	100	0.00
OH Bus										
5501-0042	Final Design	174*	17AUG10A	17AUG10A	28FEB11	28APR11	9	25,010.31	LOE	12,930.33
5501-0046	Busbar System Design-OH BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	36	3,153.04	80	2,522.43
5501-0047	Update CAD - OH BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	36	12,078.34	80	9,662.67
5501-0049	Analysis/Calc: EM/Stress/Thermal-OH BUS	117*	17AUG10A	17AUG10A	28FEB11	08FEB11	2,397	4,500.09	30	1,350.03
5501-0050	Detail Drawings-OH BUS	99*	01MAR11	04OCT10A	04APR11	01MAR11	36	2,997.84	50	1,498.92
5501-0051	Design Validation-OH BUS	5	01MAR11	02MAR11	04APR11	08MAR11	36	7,855.08		0.00
5501-0051A	Updt Models/Dwgs Ready for Signoff-OH BUS	10	05APR11	09MAR11	09MAY11	22MAR11	36	13,415.25		0.00
PF Bus										
5501-0055	Busbar System Design-PF BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	36	3,153.04	80	2,522.43
5501-0056	Update CAD-PF BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	36	12,039.90	80	9,631.92
5501-0058	Analysis/Calc: EM/Stress/Thermal-PF BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	2,382	4,500.09	30	1,350.03
5501-0059	Detail Drawings-PF BUS	99*	01MAR11	04OCT10A	04APR11	01MAR11	36	11,991.36	50	5,995.68
5501-0060	Design Validation-PF BUS	5	01MAR11	02MAR11	04APR11	08MAR11	36	7,855.08		0.00



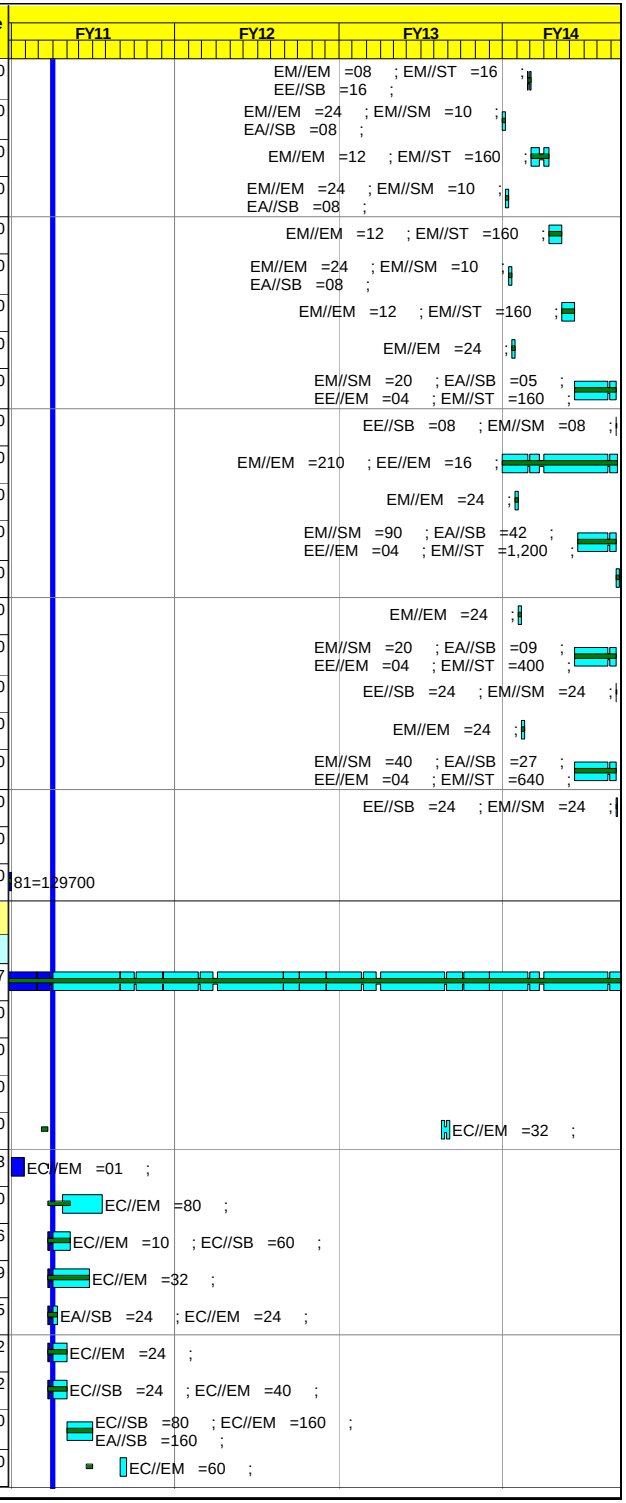
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
5501-0060A	Updt Models/Dwgs Ready for Signoff-PF BUS	10	**05APR11**	*09MAR11*	**09MAY11**	*22MAR11*	36	**15,413.67**		0.00
TF Bus										
5501-0063	Busbar System Design-TF BUS	132*	**17AUG10A**	*17AUG10A*	**28FEB11**	*01MAR11*	74	**3,153.04**	**70**	2,207.13
5501-0064	Update CAD-TF BUS	132*	**17AUG10A**	*17AUG10A*	**28FEB11**	*01MAR11*	36	**14,436.14**	**70**	10,105.30
5501-0066	Analysis/Calc: EM/Stress/Thermal-TF BUS	132*	**17AUG10A**	*17AUG10A*	**28FEB11**	*01MAR11*	2,382	**6,000.12**	**30**	1,800.04
5501-0067	Detail Drawings-TF BUS	79*	**01MAR11**	*01NOV10A*	**04APR11**	*01MAR11*	36	**6,994.96**	**50**	3,497.48
5501-0068	Design Validation-TF BUS	5	**01MAR11**	*02MAR11*	**04APR11**	*08MAR11*	36	**7,855.08**		0.00
5501-0068A	Updt Models/Dwgs Ready for Signoff-TF BUS	10	**05APR11**	*09MAR11*	**09MAY11**	*22MAR11*	36	**12,091.12**		0.00
CHI Bus										
5501-0071	Busbar System Design-CHI BUS	132*	**17AUG10A**	*17AUG10A*	**28FEB11**	*01MAR11*	74	**3,153.04**	**80**	2,522.43
5501-0072	Update CAD-CHI BUS	132*	**17AUG10A**	*17AUG10A*	**28FEB11**	*01MAR11*	36	**16,891.09**	**80**	13,512.88
5501-0074	Analysis/Calc: EM/Stress/Thermal-CHI BUS	132*	**17AUG10A**	*17AUG10A*	**28FEB11**	*01MAR11*	2,382	**4,500.09**	**30**	1,350.03
5501-0075	Detail Drawings-CHI BUS	79*	**01MAR11**	*01NOV10A*	**04APR11**	*01MAR11*	36	**13,989.92**	**50**	6,994.96
5501-0076	Design Validation-CHI BU	5	**01MAR11**	*02MAR11*	**04APR11**	*08MAR11*	36	**7,855.08**		0.00
5501-0076A	Updt Models/Dwgs Ready for Signoff-CHI BUS	10	**05APR11**	*09MAR11*	**09MAY11**	*22MAR11*	36	**18,669.62**		0.00
5501-0077	Update Cost & Schedule Estimate	5	**10MAY11**	*23MAR11*	**16MAY11**	*29MAR11*	54	**1,265.68**		0.00
5501-0078	FDR Prep	23	**10MAY11**	*29APR11*	**23MAY11**	*01JUN11*	9	**6,328.40**		0.00
5501-0078A	Coil Bus Runs - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
5501-0079	FDR 5500	1	**15JUN11**	*02JUN11*	**15JUN11**	*02JUN11**	9	**1,265.68**		0.00
Inner TF Bundl;e Design										
1304-0120	N/A Analyze TF Bus Bar (xfer f/j. Chrzanowski)	17	**30SEP10A**	*30SEP10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
5501-0082	Prep Req & Procurement Package	10	**01FEB13***	*01FEB13**	**14FEB13**	*14FEB13*	42	**14,171.20**		0.00
5501-0083	Submit Req to Procurement	1	**15FEB13**	*15FEB13*	**15FEB13**	*15FEB13*	42	**0.00**		0.00
5501-0084	Procurement Lead Time	30	**18FEB13**	*18FEB13*	**29MAR13**	*29MAR13*	42	**0.00**		0.00
5501-0085	Award Coil Bus Run	1	**01APR13**	*01APR13*	**01APR13**	*01APR13*	42	**0.00**		0.00
5501-0086	Copper Total	80	**02APR13**	*02APR13*	**25JUL13**	*25JUL13*	42	**22,455.56**		0.00
5501-0087	Insulation & Protection Total	80	**02APR13**	*02APR13*	**25JUL13**	*25JUL13*	42	**13,215.56**		0.00
5501-0088	SS Hardware, Fittings, Materials Total	80	**02APR13**	*02APR13*	**25JUL13**	*25JUL13*	42	**23,775.56**		0.00
5501-0089	G10 FR4 Total	80	**02APR13**	*02APR13*	**25JUL13**	*25JUL13*	42	**11,895.56**		0.00
5501-0090	Fab & Safety Comsumables Total	80	**02APR13**	*02APR13*	**25JUL13**	*25JUL13*	42	**9,255.56**		0.00
5501-0091	Struc Support Material Total	80	**02APR13**	*02APR13*	**25JUL13**	*25JUL13*	42	**6,615.56**		0.00
5501-0092	Misc Total	80	**02APR13**	*02APR13*	**25JUL13**	*25JUL13*	42	**8,552.04**		0.00
5501-0097	Fab/Assembly	140	**26JUL13***	*26JUL13**	**21FEB14**	*21FEB14*	42	**41,212.99**		0.00
5501-0098	Documentn: Fab/Assy Procedure-OH BUS	5	**01OCT13**	*01OCT13*	**07OCT13**	*07OCT13*	31	**19,677.16**		0.00
5501-0099	Fabricatn: pre-installation components-OH BUS	20	**08OCT13***	*08OCT13**	**04NOV13**	*04NOV13*	31	**38,946.48**		0.00
5501-0100	Assembly: pre-installatn components-OH BUD	20	**05NOV13***	*05NOV13**	**04DEC13**	*04DEC13*	31	**18,374.40**		0.00
5501-0101	Insulation & Protective Layer-OH BUS	10	**19NOV13**	*19NOV13*	**04DEC13**	*04DEC13*	31	**18,374.40**		0.00



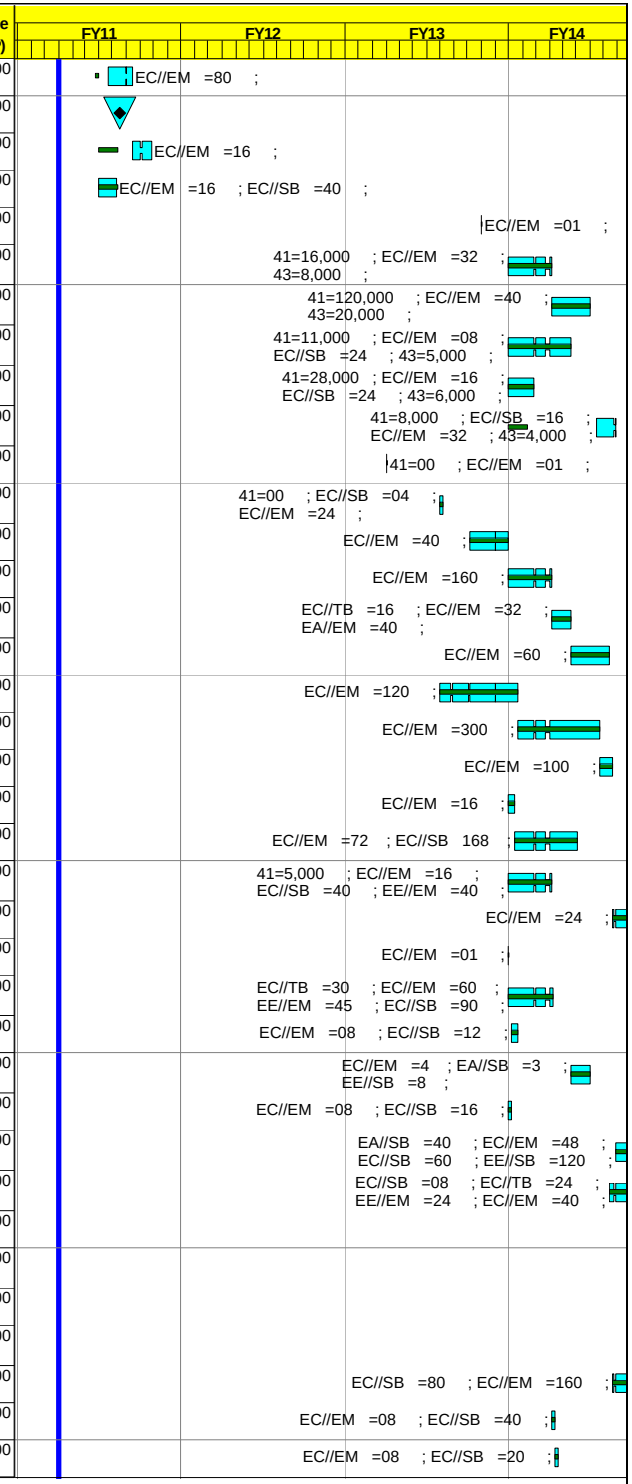
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
5501-0102	Electrical Testing-OH BUS	5	**26NOV13**	*26NOV13*	**04DEC13**	*04DEC13*	31	**5,610.88**		0.00
5501-0105	Documentn: Fab/Assy Procedure-PF BUS	5	**01OCT13***	*01OCT13**	**07OCT13**	*07OCT13*	71	**7,373.96**		0.00
5501-0106	Fabricatn: pre-installation components-PF BUS	20	**05DEC13**	*05DEC13*	**13JAN14**	*13JAN14*	31	**20,572.08**		0.00
5501-0109	Documentn: Fab/Assy Procedure-TF BUS	5	**08OCT13**	*08OCT13*	**14OCT13**	*14OCT13*	86	**7,373.96**		0.00
5501-0110	Fabricatn: pre-installation components-TF BUS	20	**14JAN14***	*14JAN14**	**10FEB14**	*10FEB14*	31	**20,572.08**		0.00
5501-0113	Documentn: Fab/Assy Procedure-CHI BUS	5	**15OCT13**	*15OCT13*	**21OCT13**	*21OCT13*	101	**7,373.96**		0.00
5501-0114	Fabricatn: pre-installation components-OH BUS	20	**11FEB14***	*11FEB14**	**10MAR14**	*10MAR14*	31	**20,572.08**		0.00
5501-0118	Documentation: Installation Procedure-OH BUS	5	**22OCT13***	*22OCT13**	**28OCT13**	*28OCT13*	116	**4,395.36**		0.00
5501-0119	Field Fit Up, Fabrication, Installation-OH BUS	65	**11MAR14**	*11MAR14*	**10JUN14**	*10JUN14*	31	**23,541.52**		0.00
5501-0120	Testing-OH BUS	1	**11JUN14**	*11JUN14*	**11JUN14**	*11JUN14*	62	**2,611.60**		0.00
5501-0080	Procurementsupport	173	**01OCT13***	*01OCT13**	**13JUN14**	*13JUN14*	31	**41,661.48**		0.00
5501-0123	Documentation: Installation Procedure-PF BUS	5	**29OCT13***	*29OCT13**	**04NOV13**	*04NOV13*	130	**4,395.36**		0.00
5501-0124	Field Fit Up, Fabrication, Installation-PF BUS	60	**18MAR14**	*18MAR14*	**10JUN14**	*10JUN14*	31	**161,077.92**		0.00
5501-0125	Testing-PF BUS	6	**11JUN14**	*11JUN14*	**18JUN14**	*18JUN14*	57	**15,669.60**		0.00
5501-0129	Documentation: Installation Procedure-TF BUS	5	**05NOV13***	*05NOV13**	**11NOV13**	*11NOV13*	130	**4,395.36**		0.00
5501-0130	Field Fit Up, Fabrication, Installation-TF BUS	65	**11MAR14**	*11MAR14*	**10JUN14**	*10JUN14*	31	**51,681.52**		0.00
5501-0131	Testing-TF BUS	2	**11JUN14**	*11JUN14*	**12JUN14**	*12JUN14*	61	**7,834.80**		0.00
5501-0135	Documentation: Installation Procedure-CHI BUS	5	**12NOV13***	*12NOV13**	**18NOV13**	*18NOV13*	130	**4,395.36**		0.00
5501-0136	Field Fit Up, Fabrication, Installation-CHI BUS	65	**11MAR14**	*11MAR14*	**10JUN14**	*10JUN14*	60	**85,489.52**		0.00
5501-0137	Testing-CHI BUS	3	**11JUN14**	*11JUN14*	**13JUN14**	*13JUN14*	60	**7,834.80**		0.00
FY105501	FY10 Actual Cost	85	**01JAN10A**	*01JAN10A*	**30APR10A**	*30APR10A*		**55,211.00**	**100**	55,211.00
FY105501A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**76,858.00**	**100**	76,858.00

Job: 6100 - Control Sys Data Acquisition -SICHTA

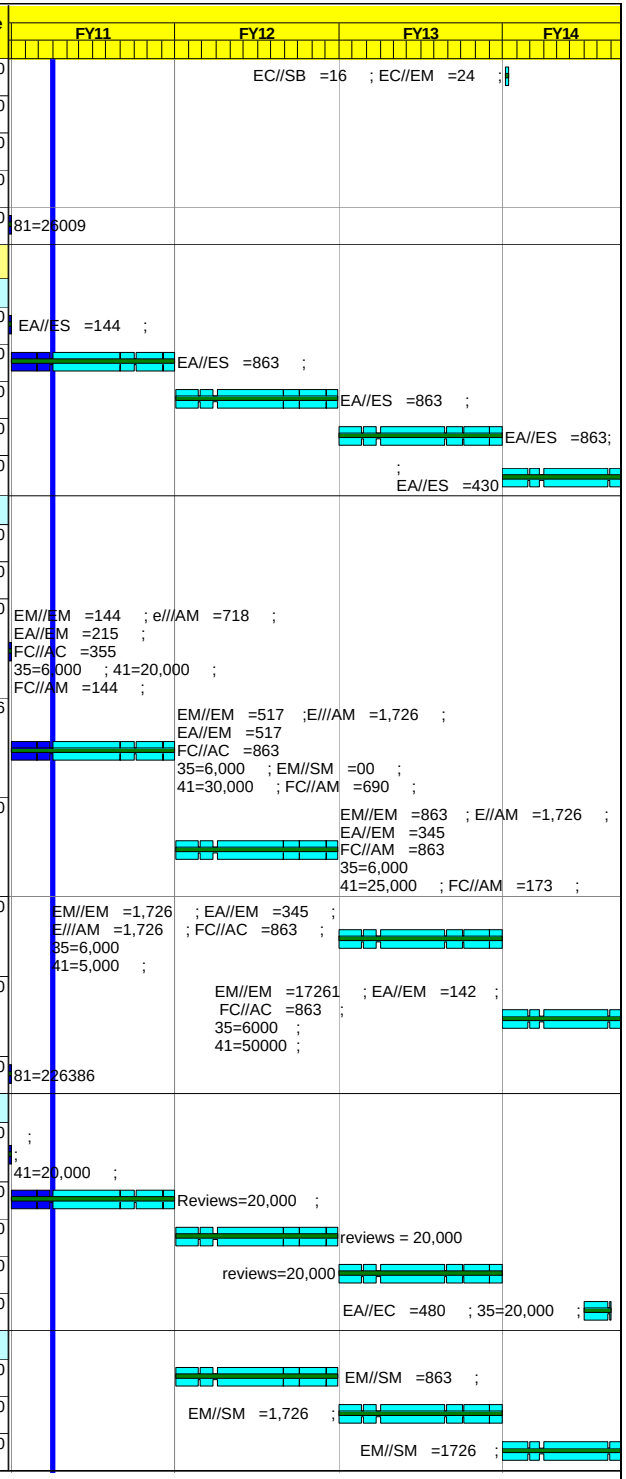
6100-0000	Oversight & Coordination	1,055*	**03MAY10A**	*03MAY10A*	**25JUL14**	*25JUL14*	1,533	**28,873.99**	**LOE**	4,475.47
6100-0026	Update System documents - PDR	27	**03MAY10A**	*03MAY10A*	**09JUN10A**	*09JUN10A*		**0.00**	**100**	0.00
6100-0027	PDR Prep	10	**10JUN10A**	*10JUN10A*	**23JUN10A**	*23JUN10A*		**0.00**	**100**	0.00
6100-0032	Disposition PDR Chits - FDR	30	**24JUN10A**	*24JUN10A*	**05AUG10A**	*05AUG10A*		**0.00**	**100**	0.00
6100-0033	Assess workscope changes	10	**07DEC10***	*20MAY13*	**20DEC10**	*03JUN13**	1,817	**4,285.76**		0.00
6100-0034	Delay design for NSTX run support	1	**21DEC10***	*01OCT10A*	**21DEC10**	*29OCT10A*		**133.93**	**100**	133.93
6100-0035B	PCS Software design analysis	64*	**22DEC10**	*24JAN11**	**09FEB11**	*21APR11*	1	**10,714.40**		0.00
6100-0036	CAMAC Memory PCB design	30*	**22DEC10**	*21DEC10A*	**09FEB11**	*08FEB11*	53	**7,455.10**	**5**	372.76
6100-0037	CAMAC Replacement selection	60*	**22DEC10**	*21DEC10A*	**23MAR11**	*22MAR11*	23	**4,285.76**		214.29
6100-0038	Cntr Stk diags data acq design	10*	**22DEC10**	*21DEC10A*	**12JAN11**	*11JAN11*	70	**6,212.16**		1,863.65
6100-0039	DAS upgrade for NSTX diagnostics	25*	**22DEC10**	*21DEC10A*	**02FEB11**	*01FEB11*	55	**3,214.32**		385.72
6100-0040	I&C effort due to NTC GIS rack move	25*	**22DEC10**	*21DEC10A*	**02FEB11**	*01FEB11*	55	**7,803.52**		936.42
6100-0041	ECN & new drawings	40	**03FEB11**	*02FEB11*	**30MAR11**	*29MAR11*	55	**49,568.80**		0.00
6100-0042	Update System documents	10	**17MAR11**	*01JUN11*	**30MAR11**	*14JUN11*	1	**8,035.80**		0.00



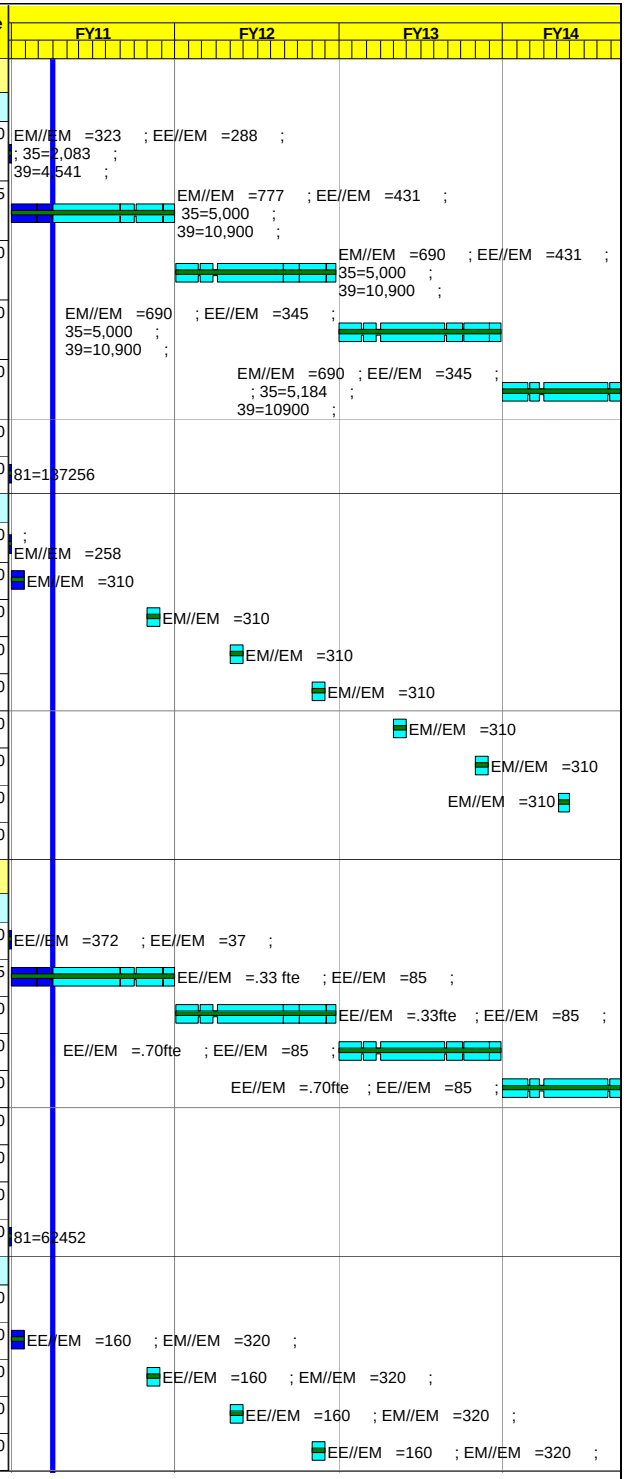
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
6100-0043	FDR Prep 6100	37	**24MAR11***	*22APR11*	**30MAR11**	*14JUN11*	1	**10,714.40**		0.00
6100-0043A	Control System - Peer review	0			**16MAY11**	*16MAY11**	2,328	**0.00**		0.00
6100-0044	Disposition FDR Chits	30	**31MAR11**	*15JUN11*	**11MAY11**	*27JUL11*	594	**2,142.88**		0.00
6100-0045	Network Design	30	**31MAR11**	*30MAR11*	**11MAY11**	*10MAY11*	648	**6,220.08**		0.00
6100-0048	Wait for I&C Procurement Start	1	**01AUG13***	*01AUG13**	**01AUG13**	*01AUG13*	93	**149.95**		0.00
6100-0049C	CAMAC Replacement proto	60	**01OCT13***	*01OCT13**	**06JAN14**	*06JAN14*	112	**37,360.96**		0.00
6100-0049D	CAMAC Replacement equipment	60	**07JAN14***	*07JAN14**	**31MAR14**	*31MAR14*	112	**195,201.20**		0.00
6100-0050	CAMAC Memory module	90	**02OCT13***	*02OCT13**	**18FEB14**	*18FEB14*	51	**25,672.00**		0.00
6100-0051	Networking equipment & fiber optics	40	**01OCT13***	*01OCT13**	**25NOV13**	*25NOV13*	192	**51,212.24**		0.00
6100-0052	GIS rack-move I&C fiber optics & equip.	30	**01OCT13***	*16APR14**	**11NOV13**	*28MAY14*	1	**23,048.80**		0.00
6100-0055	Wait for I&C Fabrication Start (per	1	**02JAN13***	*02JAN13**	**02JAN13**	*02JAN13*	101	**149.95**		0.00
6100-0056	I&C Peer Review	5	**01MAY13***	*01MAY13**	**07MAY13**	*07MAY13*	62	**4,055.28**		0.00
6100-0057C	PCS Infrastructure code & debug	60	**08JUL13***	*08JUL13**	**30SEP13**	*30SEP13*	22	**5,998.00**		0.00
6100-0058	PSRTC code & debug	60	**01OCT13**	*01OCT13*	**06JAN14**	*06JAN14*	22	**24,804.80**		0.00
6100-0059	Update PSRTC Simulation models	30	**07JAN14**	*07JAN14*	**17FEB14**	*17FEB14*	22	**15,140.64**		0.00
6100-0060	PCS code & debug	60	**18FEB14**	*18FEB14*	**12MAY14**	*12MAY14*	22	**9,301.80**		0.00
6100-0061A	CAMAC replacement proto	120	**01MAY13***	*01MAY13**	**21OCT13**	*21OCT13*	17	**18,070.20**		0.00
6100-0061B	CAMAC replacement - local software	120	**22OCT13**	*22OCT13*	**21APR14**	*21APR14*	17	**46,509.00**		0.00
6100-0062	CAMAC replacement - MDSplus changes	20	**22APR14**	*22APR14*	**19MAY14**	*19MAY14*	17	**15,503.00**		0.00
6100-0063	Cntr Stk diags data acq changes	10	**01OCT13***	*01OCT13**	**14OCT13**	*14OCT13*	132	**2,480.48**		0.00
6100-0064	F CAMAC Replacement systems fab.	90	**15OCT13***	*15OCT13**	**03MAR14**	*03MAR14*	132	**30,984.48**		0.00
6100-0065	CAMAC Memory module fab.	60	**01OCT13***	*01OCT13**	**06JAN14**	*06JAN14*	162	**21,955.28**		0.00
6100-0067	DAS programming for NSTX diags upgd	60	**20MAY14**	*20MAY14*	**13AUG14**	*13AUG14*	17	**3,720.72**		0.00
6100-0070	Wait for I&C Installation Start (per NSTX	1	**01OCT13***	*01OCT13**	**01OCT13**	*01OCT13*	111	**155.03**		0.00
6100-0071	CAMAC Replacement systems install	60	**02OCT13**	*02OCT13*	**07JAN14**	*07JAN14*	111	**31,285.65**		0.00
6100-0072	CAMAC Memory install	10	**08OCT13***	*08OCT13**	**21OCT13**	*21OCT13*	217	**2,656.12**		0.00
6100-0073A	NTC/DARM fiber & network install	30	**19FEB14**	*19FEB14*	**01APR14**	*01APR14*	51	**2,208.08**		0.00
6100-0074	install I&C Thermocouple equipment	5	**02OCT13***	*02OCT13**	**08OCT13**	*08OCT13*	211	**3,128.08**		0.00
6100-0075	Install I&C due to NTC GIS rack relocation	60	**29MAY14***	*29MAY14**	**21AUG14**	*21AUG14*	1	**37,617.24**		0.00
6100-0081	CS Infrastructure tests	30	**13MAY14***	*13MAY14**	**24JUN14**	*24JUN14*	27	**13,835.36**		0.00
6100-0082	PSRTC Simulation PTP-034	5	**25JUN14**	*25JUN14*	**01JUL14**	*01JUL14*	27	**13,882.56**		0.00
6100-0083	PSRTC PTP-035	5	**02JUL14**	*02JUL14*	**09JUL14**	*09JUL14*	27	**13,441.28**		0.00
6100-0084B	PCS tesing	10	**10JUL14**	*10JUL14*	**23JUL14**	*23JUL14*	27	**6,201.20**		0.00
6100-0085	Support ISTP-001	5	**29AUG14**	*29AUG14*	**05SEP14**	*05SEP14*	1	**10,960.80**		0.00
6100-0086	CAMAC Replacement system tests	60	**20MAY14**	*20MAY14*	**13AUG14**	*13AUG14*	17	**34,244.00**		0.00
6100-0087	CAMAC Memory bench tests	5	**07JAN14**	*07JAN14*	**13JAN14**	*13JAN14*	162	**5,959.84**		0.00
6100-0088	CAMAC Memory field tests	5	**14JAN14**	*14JAN14*	**20JAN14**	*20JAN14*	162	**3,600.04**		0.00



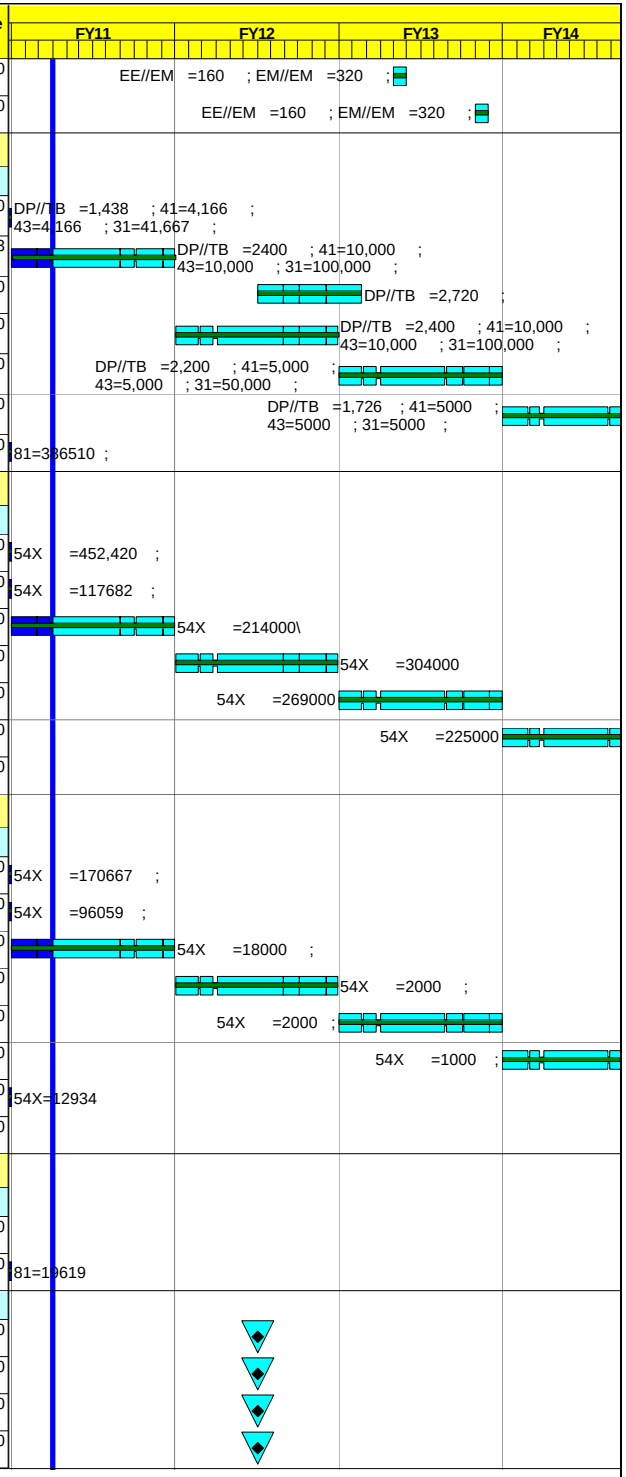
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
6100-0089	Cntr Stk diags testing	5	**09OCT13***	*09OCT13**	**15OCT13**	*15OCT13*	211	**5,608.56**		0.00
6100-0090	test relocated I&C GIS rack systems	5	**22AUG14**	*22AUG14*	**28AUG14**	*28AUG14*	1	**14,021.40**		0.00
6100-0092	Project Ready for ISTP Target	1	**08SEP14***	*08SEP14**	**08SEP14**	*08SEP14*	1	**155.03**		0.00
FY106100	FY10 Actual Cost	85	**01JAN10A**	*01JAN10A*	**30APR10A**	*30APR10A*		**14,551.00**	**100**	14,551.00
FY106100A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**23,560.00**	**100**	23,560.00
Job: 7100 - Project Mgt & Integration-STRYKOWSKY										
General Arrangement Drawings										
CS7000020G	FY2010 General Arrangement Drawings	106*	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
CS7000031G	FY2011 General Arrangement Drawings	250*	**01OCT10***	*01OCT10A*	**30SEP11**	*30SEP11*	1,487	**75,098.26**	**LOE**	17,422.80
CS7000041G	FY2012 General Arrangement Drawings	249	**03OCT11***	*03OCT11**	**28SEP12**	*28SEP12*	1,487	**82,045.41**		0.00
CS7000053G	FY2013 General Arrangement Drawings	248	**01OCT12***	*01OCT12**	**30SEP13**	*30SEP13*	1,487	**83,452.10**		0.00
CS7000054G	FY2014 General Arrangement Drawings	248	**01OCT13***	*01OCT13**	**30SEP14**	*30SEP14*	1,487	**42,828.00**		0.00
Project Management										
FY097100	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**625,829.00**	**100**	625,829.00
FY107100	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30APR10A**	*30APR10A*		**554,759.00**	**100**	554,759.00
CS7000020	FY2010 Project Management	106*	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
CS7000031	FY2011 Project Management	250*	**01OCT10***	*01OCT10A*	**30SEP11**	*30SEP11*	1,487	**741,305.01**	**LOE**	171,982.76
CS7000041	FY2012 Project Mangement	249	**03OCT11***	*03OCT11**	**28SEP12**	*28SEP12*	1,487	**752,945.42**		0.00
CS7000053	FY2013 Project Management	248	**01OCT12***	*01OCT12**	**30SEP13**	*30SEP13*	1,487	**844,226.78**		0.00
CS7000054	FY2014 Project Management	248	**01OCT13***	*01OCT13**	**30SEP14**	*30SEP14*	1,487	**826,245.96**		0.00
FY107100A	FY10 Actual Cost	130	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**226,386.00**	**100**	226,386.00
Project Reviews										
CS7000020R	FY2010 Project Reviews	106*	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
CS7000031R	FY2011 Project Reviews	250*	**01OCT10***	*01OCT10A*	**30SEP11**	*30SEP11*	1,735	**25,200.00**	**LOE**	5,846.40
CS7000041R	FY2012 Project Reviews	249	**03OCT11***	*03OCT11**	**28SEP12**	*28SEP12*	1,735	**25,800.00**		0.00
CS7000053R	FY2013 Project Reviews	248	**01OCT12***	*01OCT12**	**30SEP13**	*30SEP13*	1,735	**26,400.00**		0.00
CS7000052	ORA support	43	**01APR14***	*01APR14**	**30MAY14**	*30MAY14*	85	**111,296.00**		0.00
Work Control Center										
CS7000041W	FY2012 WCC	249	**03OCT11***	*03OCT11**	**28SEP12**	*28SEP12*	1,487	**148,936.54**		0.00
CS7000053W	FY2013 WCC	248	**01OCT12***	*01OCT12**	**30SEP13**	*30SEP13*	1,487	**304,777.08**		0.00
CS7000054W	FY2014 WCC	248	**01OCT13***	*01OCT13**	**30SEP14**	*30SEP14*	1,487	**314,442.68**		0.00



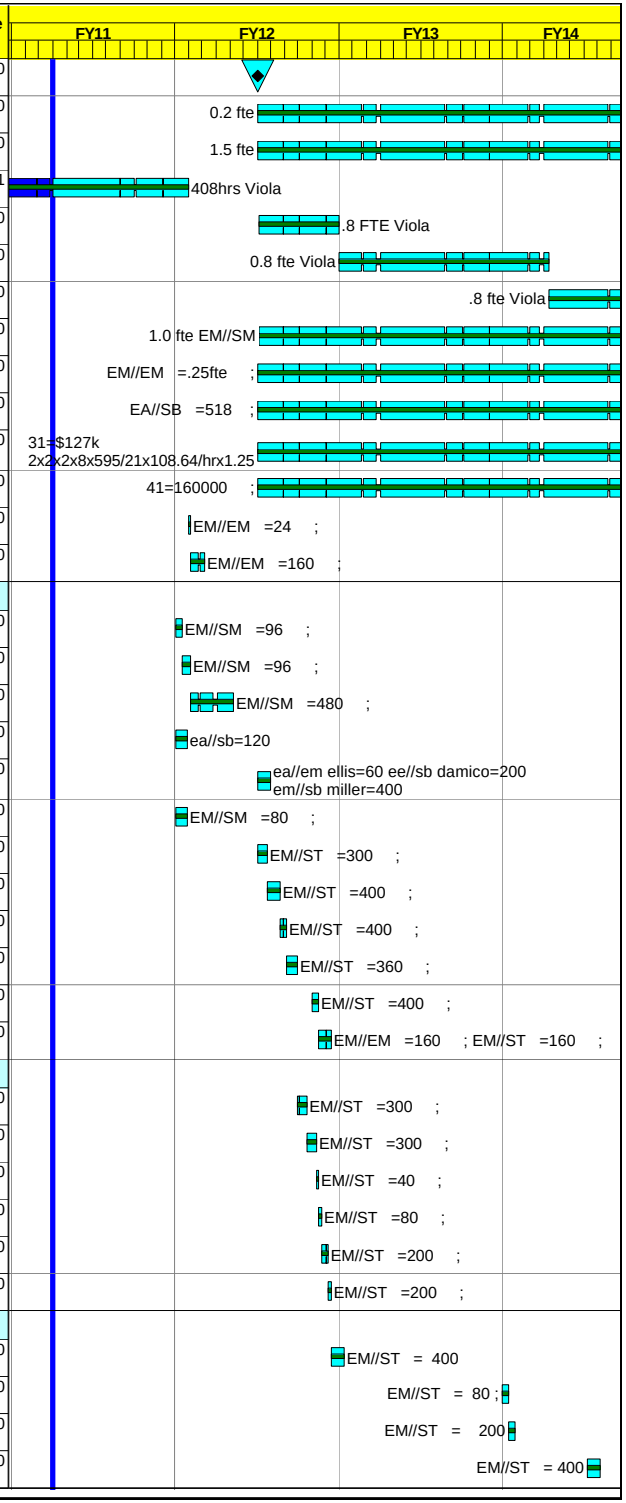
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
Job: 7200 - Center Stack Management-DUDEK										
Project Management										
7200-01	100FY2010 CSU Management	106*	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
7200-02	FY2011 CSU Management	250*	**01OCT10***	*01OCT10A*	**30SEP11**	*30SEP11*	1,494	**222,274.76**	**LOE**	51,567.75
7200-03	FY2012 CSU Management	245	**03OCT11***	*03OCT11**	**24SEP12**	*24SEP12*	1,494	**227,382.39**		0.00
7200-04	FY2013 CSU Management	245	**01OCT12***	*01OCT12**	**25SEP13**	*25SEP13*	1,490	**215,496.25**		0.00
7200-05	FY2014 CSU Management	248	**01OCT13***	*01OCT13**	**30SEP14**	*30SEP14*	1,487	**222,485.45**		0.00
FY107200	FY10 Actual Cost	123	**02NOV09A**	*02NOV09A*	**30APR10A**	*30APR10A*		**84,961.00**	**100**	84,961.00
FY107200A	FY10 Actual Cost	130	**01APR10A**	*01APR10A*	**30SEP10A**	*30SEP10A*		**137,256.00**	**100**	137,256.00
Project Reviews										
7200-01R	FY2010 CSU Project Reviews	106*	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
7200-02R	FY2011 CSU Project EIR Reviews	250*	**01OCT10**	*01OCT10A*	**28OCT10**	*29OCT10A*		**49,045.10**	**100**	49,045.10
7200-02S	FY2011 CSU Project OPA Reviews	20	**01AUG11***	*01AUG11**	**26AUG11**	*26AUG11*	2,256	**49,045.10**	**100**	0.00
7200-03R	FY2012 CSU Project OPA Reviews	20	**01FEB12***	*01FEB12**	**28FEB12**	*28FEB12*	2,093	**53,781.90**		0.00
7200-03S	FY2012 CSU Project OPA Reviews	20	**01AUG12***	*01AUG12**	**28AUG12**	*28AUG12*	1,965	**53,781.90**		0.00
7200-04R	FY2013 CSU Project OPA Reviews	20	**01FEB13***	*01FEB13**	**28FEB13**	*28FEB13*	1,863	**54,913.40**		0.00
7200-04S	FY2013 CSU Project OPA Reviews	20	**01AUG13***	*01AUG13**	**28AUG13**	*28AUG13*	1,737	**54,913.40**		0.00
7200-05R	FY2014 CSU Project OPA Reviews	20	**03FEB14***	*03FEB14**	**28FEB14**	*28FEB14*	1,636	**56,773.40**		0.00
7200-05S	FY2014 CSU Project OPA Reviews	20	**01AUG14***	*01AUG14**	**28AUG14**	*28AUG14*	1,509	**56,773.40**		0.00
Job: 7300 - NB2 Management-STEVENSON										
Project Management										
7300-01	FY2010 NB2 Management	106*	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
7300-11	FY2011 NB2 Management	250*	**01OCT10***	*01OCT10A*	**30SEP11**	*30SEP11*	1,494	**113,070.06**	**LOE**	26,232.25
7300-21	FY2012 NB2 Management	245	**03OCT11***	*03OCT11**	**24SEP12**	*24SEP12*	1,494	**123,991.86**		0.00
7300-31	FY2013 NB2 Management	245	**01OCT12***	*01OCT12**	**25SEP13**	*25SEP13*	1,490	**250,286.01**		0.00
7300-35	FY2014 NB2 Management	248	**01OCT13***	*01OCT13**	**30SEP14**	*30SEP14*	1,487	**258,768.09**		0.00
FY092410	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**63,263.00**	**100**	63,263.00
FY102410	FY10 Actual Cost	40	**01OCT09A**	*01OCT09A*	**25NOV09A**	*25NOV09A*		**12,157.00**	**100**	12,157.00
FY107300	FY10 Actual Cost	123	**02NOV09A**	*02NOV09A*	**30APR10A**	*30APR10A*		**62,401.00**	**100**	62,401.00
FY107300A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**62,452.00**	**100**	62,452.00
Project Reviews										
7300-02	FY2010 NB2 RLM's support of OPA reviews	92*	**17MAY10A**	*17MAY10A*	**06JUL10A**	*06JUL10A*		**0.00**	**100**	0.00
7300-03	FY2010 NB2 RLM's support of EIR review	20	**01OCT10***	*01OCT10A*	**28OCT10**	*29OCT10A*		**78,289.60**	**100**	78,289.60
7300-12	FY2011 NB2 RLM's support of OPA reviews	20	**01AUG11***	*01AUG11**	**26AUG11**	*26AUG11*	1,743	**78,289.60**		0.00
7300-13	FY2011 NB2 RLM's support of OPA reviews	20	**01FEB12***	*01FEB12**	**28FEB12**	*28FEB12*	1,640	**85,851.20**		0.00
7300-22	FY2012 NB2 RLM's support of OPA reviews	20	**01AUG12***	*01AUG12**	**28AUG12**	*28AUG12*	1,512	**85,851.20**		0.00



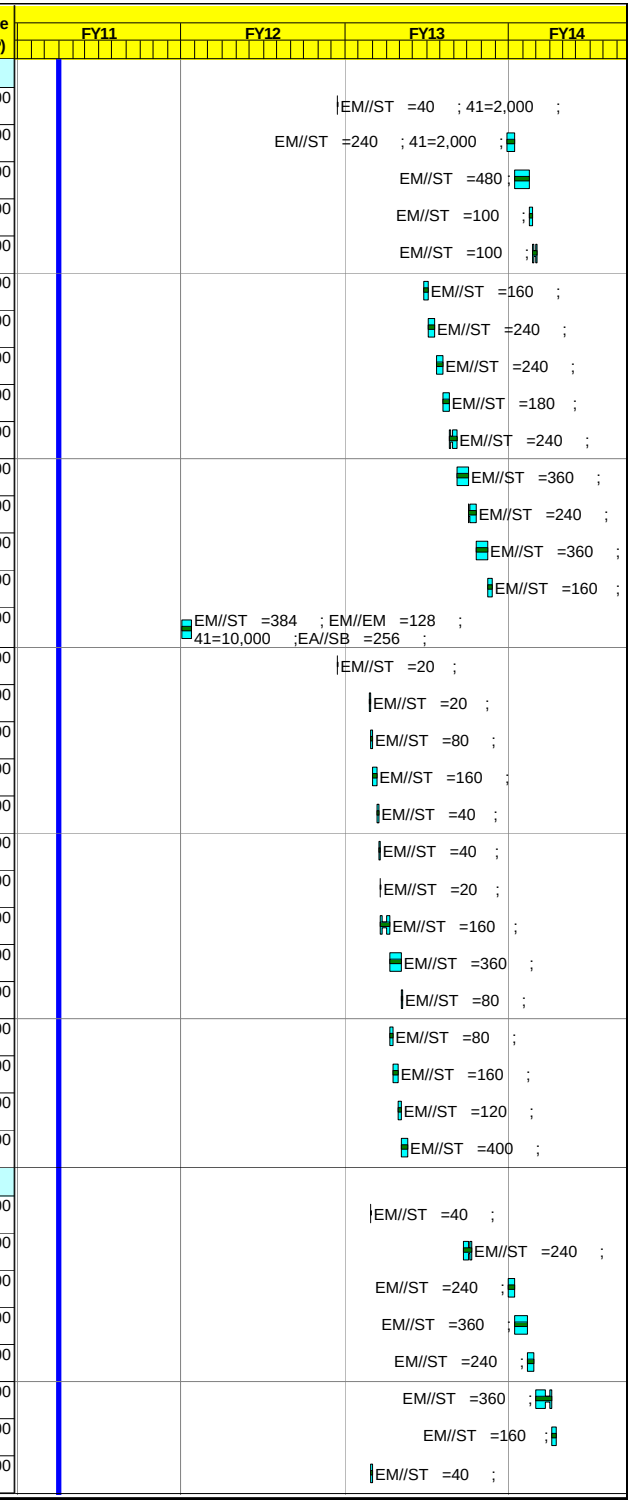
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
7300-23	FY2012 NB2 RLM's support of OPA reviews	20	**01FEB13***	*01FEB13**	**28FEB13**	*28FEB13*	1,615	**87,656.00**		0.00
7300-32	FY2013 NB2 RLM's support of OPA reviews	20	**01AUG13***	*01AUG13**	**28AUG13**	*28AUG13*	1,509	**87,656.00**		0.00
Job: 7400 - Health Physics Support-STEVENSON										
740000100	FY2010 NBI Decon HP Technical Support	106*	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
740000110	FY2011 NBI Decon HP Technical Support	250*	**04OCT10***	*01OCT10A*	**03OCT11**	*30SEP11*	1,735	**511,560.45**	**LOE**	118,682.03
740000115	FY2011 EQ Removal & Relocation HP Technical Supp	165	**02APR12***	*02APR12**	**21NOV12**	*21NOV12*	458	**368,652.64**		0.00
740000120	FY2012 NBI Decon HP Technical Support	249	**04OCT11***	*03OCT11**	**01OCT12**	*28SEP12*	1,735	**551,557.83**		0.00
740000125	FY2013 NBI Decon HP Technical Support	248	**02OCT12**	*01OCT12*	**01OCT13**	*30SEP13*	1,735	**419,238.73**		0.00
740000130	FY2014 NBI Decon HP Technical Support	248	**01OCT13***	*01OCT13**	**30SEP14**	*30SEP14*	1,487	**269,865.14**		0.00
FY107400	FY10 Actual Cost	260	**01OCT09A**	*01OCT09A*	**30SEP10A**	*30SEP10A*		**386,510.00**	**100**	386,510.00
JOB: 7700 - NSTX-U HP Allocations-STRYKOWSKY										
1180*NUL	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30SEP10A**	*30SEP10A*		**452,420.00**	**100**	452,420.00
CS9500070	NSTX Upgrade HP Allocations FY2010	106*	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
CS9500080	NSTX Upgrade HP Allocations FY11	250*	**01OCT10***	*01OCT10A*	**30SEP11**	*30SEP11*	1,487	**353,100.00**	**LOE**	81,919.20
CS9500090	NSTX Upgrade HP Allocations FY12	249	**03OCT11***	*03OCT11**	**28SEP12**	*28SEP12*	1,487	**535,040.00**		0.00
CS9500100	NSTX Upgrade HP Allocations FY13	248	**01OCT12***	*01OCT12**	**30SEP13**	*30SEP13*	1,487	**481,510.00**		0.00
CS9500110	NSTX Upgrade HP Allocations FY14	248	**01OCT13***	*01OCT13**	**30SEP14**	*30SEP14*	1,487	**414,000.00**		0.00
FY09NNUL8	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**367,345.00**	**100**	367,345.00
Job: 7710 - Upgrade Allocations-STRYKOWSKY										
1170*NUL	FY10 Actual Cost	143	**01OCT09A**	*01OCT09A*	**30SEP10A**	*30SEP10A*		**170,667.00**	**100**	170,667.00
7710-10	NSTX Upgrade Direct Allocations FY2010	106	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**0.00**	**100**	0.00
7710-11	NSTX Upgrade Direct Allocations FY11	250*	**01OCT10***	*01OCT10A*	**30SEP11**	*30SEP11*	1,487	**29,700.00**	**LOE**	6,890.40
7710-12	NSTX Upgrade Direct Allocations FY12	249	**03OCT11***	*03OCT11**	**28SEP12**	*28SEP12*	1,487	**3,520.00**		0.00
7710-13	NSTX Upgrade Direct Allocations FY13	248	**01OCT12***	*01OCT12**	**30SEP13**	*30SEP13*	1,487	**3,580.00**		0.00
7710-14	NSTX Upgrade Direct Allocations FY14	248	**01OCT13***	*01OCT13**	**30SEP14**	*30SEP14*	1,487	**1,840.00**		0.00
9417*NUL	FY10 Actual Cost	110	**01JUN10A**	*01JUN10A*	**30SEP10A**	*30SEP10A*		**12,934.00**	**100**	12,934.00
FY09NNUL	FY09 Actual Cost	22*	**23FEB09A**	*23FEB09A*	**30SEP09A**	*30SEP09A*		**158,969.00**	**100**	158,969.00
Job; 8200 - CS & Coil Sprt Struc Install- VIOLA										
Close Vessel and Pumpdown										
FY108200	FY10 Actual Cost	123	**02NOV09A**	*02NOV09A*	**30APR10A**	*30APR10A*		**19,070.00**	**100**	19,070.00
FY108200A	FY10 Actual Cost	110	**03MAY10A**	*03MAY10A*	**30SEP10A**	*30SEP10A*		**6,473.00**	**100**	6,473.00
Management/Oversight/supervision										
8200-0002	Designs complete	0	**03APR12***	*03APR12**			139	**0.00**		0.00
8200-0003	Sequence complete	0	**03APR12***	*03APR12**			139	**0.00**		0.00
8200-0004	Parts arrived	0	**03APR12***	*03APR12**			139	**0.00**		0.00
8200-0005	Start procedural development	0	**03APR12***	*03APR12**			139	**0.00**		0.00



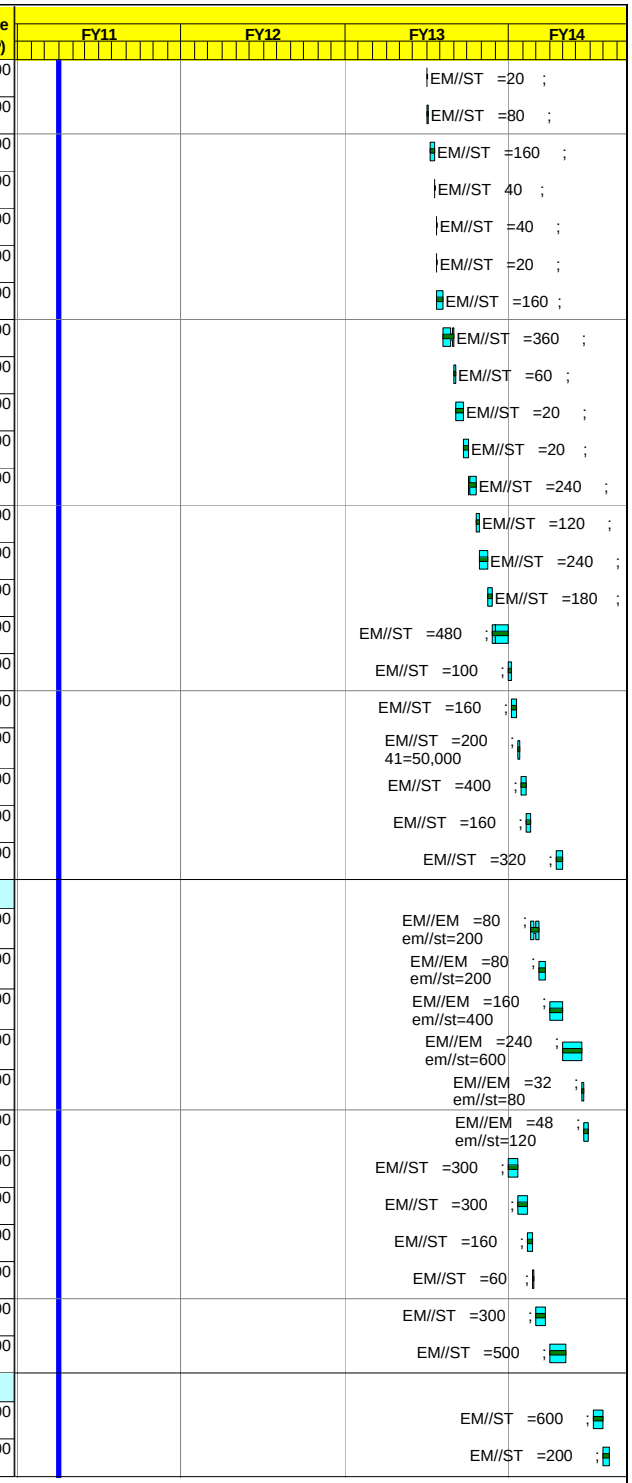
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
8200-0006	Mobilize crews	0	**03APR12***	*03APR12**			139	**0.00**		0.00
8200-0010	Shop Fabrication oversight 20% FTE for duration	622	**03APR12***	*03APR12**	**30SEP14**	*30SEP14*	1,487	**152,188.51**		0.00
8200-0011	Shop Fabrication support 1.5 FTE for duration	622	**03APR12***	*03APR12**	**30SEP14**	*30SEP14*	1,487	**719,690.36**		0.00
8200-0012	Assembly oversight prior to outage (fy10 & fy11)	377*	**03MAY10A**	*03MAY10A*	**31OCT11**	*31OCT11*	218	**63,100.49**	LOE	27,448.71
8200-0012A	Assembly oversight 1 FTE Engr	125	**05APR12***	*05APR12**	**01OCT12**	*01OCT12*	1,487	**121,864.27**		0.00
8200-0012B	Assembly oversight 0.6 FTE Engr	312	**02OCT12***	*02OCT12**	**13JAN14**	*13JAN14*	1,487	**307,786.97**		0.00
8200-0012C	Assembly oversight 1 FTE Engr	183	**14JAN14***	*14JAN14**	**30SEP14**	*30SEP14*	1,487	**208,719.16**		0.00
8200-0013	Assembly oversight 1 FTE SM	620	**05APR12***	*05APR12**	**30SEP14**	*30SEP14*	1,487	**762,210.43**		0.00
8200-0014	Title 3 Support Engineer	622	**03APR12***	*03APR12**	**30SEP14**	*30SEP14*	1,487	**186,516.75**		0.00
8200-0015	Title 3 Support Drafting	622	**03APR12***	*03APR12**	**30SEP14**	*30SEP14*	1,487	**73,180.71**		0.00
8200-0016	OT for efficiency (2 crews 1 weekend a month)	622	**03APR12***	*03APR12**	**30SEP14**	*30SEP14*	1,487	**264,376.43**		0.00
8200-0017	MISC M&S $250 per day* 2 crews	622	**03APR12***	*03APR12**	**30SEP14**	*30SEP14*	1,487	**212,141.48**		0.00
8200-0020	PREPARE WORK PLANNING FORM	3	**01NOV11***	*01NOV11**	**03NOV11**	*03NOV11*	218	**4,163.76**		0.00
8200-0021	Fab/AssyInstallation Procedure	20	**04NOV11***	*04NOV11**	**05DEC11**	*05DEC11*	218	**27,758.40**		0.00
Bay by Bay Diagnostic Catalogue										
8200-0026	Perform bay by bay catalogue and label Elect	12	**03OCT11***	*03OCT11**	**18OCT11**	*18OCT11*	193	**16,567.68**		0.00
8200-0027	Perform bay by bay catalogue and label Mech	12	**19OCT11***	*19OCT11**	**03NOV11**	*03NOV11*	193	**16,567.68**		0.00
8200-0028	Write removal procedures	60	**04NOV11**	*04NOV11*	**07FEB12**	*07FEB12*	193	**82,838.40**		0.00
8200-0028A	RF Line develop as-built assy drawing	20	**03OCT11***	*03OCT11**	**28OCT11**	*28OCT11*	298	**16,437.60**		0.00
8200-0029	Remove RF pipes	20	**03APR12***	*03APR12**	**30APR12**	*30APR12*	195	**154,331.60**		0.00
8200-0030	Write Electrical Removal & Installation Procedur	20	**03OCT11***	*03OCT11**	**28OCT11**	*28OCT11*	242	**13,806.40**		0.00
8200-0031	Safe, remove and store Elect	15	**03APR12***	*03APR12**	**23APR12**	*23APR12*	139	**32,637.00**		0.00
8200-0032	Upper Tray remove and store Elect	20	**24APR12**	*24APR12*	**21MAY12**	*21MAY12*	180	**43,516.00**		0.00
8200-0033	Remove and store Mech	10	**22MAY12***	*22MAY12**	**05JUN12**	*05JUN12*	119	**43,516.00**		0.00
8200-0034	Remove and store Upper and lower port eqpt	18	**06JUN12***	*06JUN12**	**29JUN12**	*29JUN12*	122	**39,164.40**		0.00
8200-0035	Remove section of platform	10	**01AUG12***	*01AUG12**	**14AUG12**	*14AUG12*	101	**43,516.00**		0.00
8200-0036	Fiducialize Coil and Vacuum vessel	20	**15AUG12**	*15AUG12*	**12SEP12**	*12SEP12*	101	**45,164.80**		0.00
Equipment Removals										
8200-0039	Remove insulation	15	**02JUL12***	*02JUL12**	**23JUL12**	*23JUL12*	101	**32,637.00**		0.00
8200-0040	Gas Injection System	15	**24JUL12**	*24JUL12*	**13AUG12**	*13AUG12*	101	**32,637.00**		0.00
8200-0041	Disconnect trim coil and lock mode coil	2	**14AUG12**	*14AUG12*	**15AUG12**	*15AUG12*	101	**4,351.60**		0.00
8200-0042	Remove trim coil and lock mode coil	4	**16AUG12**	*16AUG12*	**21AUG12**	*21AUG12*	101	**8,703.20**		0.00
8200-0043	Clear platform and area to remove bad TF	10	**22AUG12**	*22AUG12*	**05SEP12**	*05SEP12*	101	**21,758.00**		0.00
8200-0044	Remove bad TF	5	**06SEP12**	*06SEP12*	**12SEP12**	*12SEP12*	101	**21,758.00**		0.00
LLD Removal/Original Outer Divertor re-install										
8200-1001	Remove LLD	20	**13SEP12**	*13SEP12*	**10OCT12**	*10OCT12*	433	**43,882.40**		0.00
8200-1004	Machine original OD tiles for Diag sensors	10	**01OCT13***	*01OCT13**	**14OCT13**	*14OCT13*	193	**9,187.20**		0.00
8200-1008	Re-install Diag sensors into original OD tiles	10	**15OCT13***	*15OCT13**	**28OCT13**	*28OCT13*	193	**22,968.00**		0.00
8200-1012	Install original OD tiles and supports	20	**10APR14***	*10APR14**	**07MAY14**	*07MAY14*	86	**45,936.00**		0.00



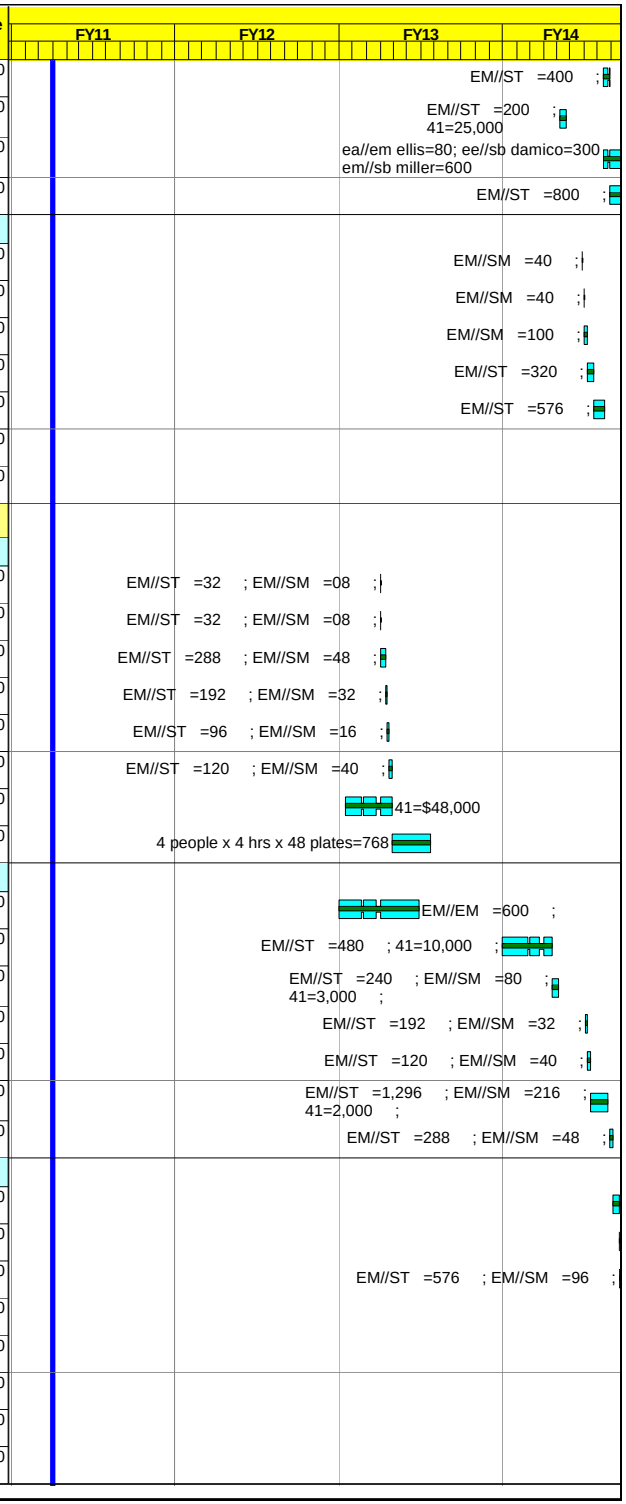
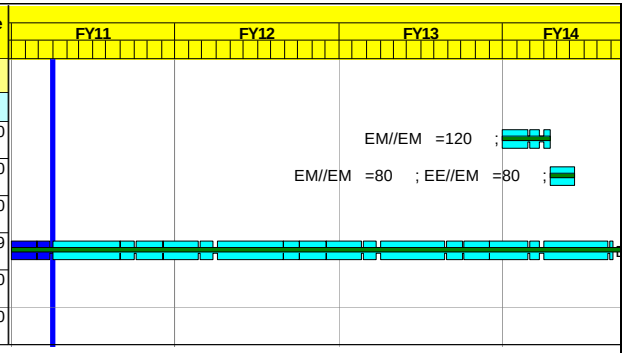
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
Upper Half										
8200-0048	Umbrella Lid Remove existing	1	**13SEP12**	*13SEP12*	**13SEP12**	*13SEP12*	101	**6,931.60**		0.00
8200-0048A	Umbrella lid weld new rim	12	**27SEP13**	*27SEP13*	**14OCT13**	*14OCT13*	90	**30,101.20**		0.00
8200-0049	VV Umbrella legs Weld reinforcement plates	24	**15OCT13**	*15OCT13*	**15NOV13**	*15NOV13*	90	**55,123.20**		0.00
8200-0050	VV umbrella legs Remove existing Hardware	5	**18NOV13**	*18NOV13*	**22NOV13**	*22NOV13*	90	**11,484.00**		0.00
8200-0051	Umbrella legs add reinforcement plate	5	**25NOV13**	*25NOV13*	**03DEC13**	*03DEC13*	90	**11,484.00**		0.00
8200-0052	TF Install Datums & Remove turnbuckles	8	**25MAR13**	*25MAR13*	**03APR13**	*03APR13*	85	**17,772.80**		0.00
8200-0052A	TF U&L Remove Exisiting clevis bolts	12	**04APR13**	*04APR13*	**19APR13**	*19APR13*	85	**26,659.20**		0.00
8200-0052B	TF reinforce clevis	12	**22APR13**	*22APR13*	**07MAY13**	*07MAY13*	85	**26,659.20**		0.00
8200-0052C	TF Install new TF wet layup & clamp	9	**08MAY13**	*08MAY13*	**20MAY13**	*20MAY13*	85	**19,994.40**		0.00
8200-0053	TF Install new clamps	12	**21MAY13**	*21MAY13*	**06JUN13**	*06JUN13*	85	**26,659.20**		0.00
8200-0054	TF Install Vessel Ties & Align	18	**07JUN13**	*07JUN13*	**02JUL13**	*02JUL13*	85	**39,988.80**		0.00
8200-0055	TF Install new hoop brace	12	**03JUL13**	*03JUL13*	**22JUL13**	*22JUL13*	85	**26,659.20**		0.00
8200-0056	TF Align and match drill new hoop brace	18	**23JUL13**	*23JUL13*	**15AUG13**	*15AUG13*	85	**39,988.80**		0.00
8200-0057	TF Install and torque all bolts	8	**16AUG13**	*16AUG13*	**27AUG13**	*27AUG13*	85	**17,772.80**		0.00
8200-0058	Design & build lifting method	16	**03OCT11***	*03OCT11**	**24OCT11**	*24OCT11*	323	**111,948.96**		0.00
8200-0059	PF2 Mark Location: lift and support	1	**14SEP12**	*14SEP12*	**14SEP12**	*14SEP12*	101	**2,175.80**		0.00
8200-0060	PF2 Replace existing hardware (bolted)	1	**26NOV12**	*26NOV12*	**26NOV12**	*26NOV12*	53	**2,221.60**		0.00
8200-0061	PF2 Install New plates (bolted)	4	**27NOV12**	*27NOV12*	**30NOV12**	*30NOV12*	53	**8,886.40**		0.00
8200-0062	PF2 weld reinforcement	8	**03DEC12**	*03DEC12*	**12DEC12**	*12DEC12*	53	**17,772.80**		0.00
8200-0063	PF2 Reinstall & Realign	2	**13DEC12**	*13DEC12*	**14DEC12**	*14DEC12*	53	**4,443.20**		0.00
8200-0064	PF3 lift and support	2	**17DEC12**	*17DEC12*	**18DEC12**	*18DEC12*	53	**4,443.20**		0.00
8200-0065	PF3 remove bolted support	1	**19DEC12**	*19DEC12*	**19DEC12**	*19DEC12*	53	**2,221.60**		0.00
8200-0066	PF3 Install new bolted support	8	**20DEC12**	*20DEC12*	**09JAN13**	*09JAN13*	53	**17,772.80**		0.00
8200-0067	PF3 weld reinforcement	18	**10JAN13**	*10JAN13*	**04FEB13**	*04FEB13*	297	**39,988.80**		0.00
8200-0068	PF3 Reinstall & Realign	3	**05FEB13**	*05FEB13*	**07FEB13**	*07FEB13*	297	**8,886.40**		0.00
8200-0069	PF5U/L Disconnect existing midplane columns	4	**10JAN13**	*10JAN13*	**15JAN13**	*15JAN13*	53	**8,886.40**		0.00
8200-0070	PF4, 5 lift and install 1/4" plate	8	**16JAN13**	*16JAN13*	**25JAN13**	*25JAN13*	53	**17,772.80**		0.00
8200-0071	PF4, 5 Install newbolts and torque	6	**28JAN13**	*28JAN13*	**04FEB13**	*04FEB13*	53	**13,329.60**		0.00
8200-0072	Prefit &match drill new umbrella lid	10	**05FEB13**	*05FEB13*	**18FEB13**	*18FEB13*	53	**44,432.00**		0.00
Lower Half										
8200-0076	Umbrella Lid Remove existing	1	**27NOV12**	*27NOV12*	**27NOV12**	*27NOV12*	103	**4,443.20**		0.00
8200-0076A	Umbrella Lid weld new rim	12	**24JUN13**	*24JUN13*	**11JUL13**	*11JUL13*	57	**29,299.20**		0.00
8200-0077	TF Install new clamps	12	**01OCT13***	*01OCT13**	**16OCT13**	*16OCT13*	62	**27,561.60**		0.00
8200-0078	TF Install Vessel ties & Align	18	**17OCT13**	*17OCT13*	**11NOV13**	*11NOV13*	62	**41,342.40**		0.00
8200-0079	TF Install new hoop brace	12	**12NOV13**	*12NOV13*	**27NOV13**	*27NOV13*	62	**27,561.60**		0.00
8200-0080	TF Align and match drill new hoop brace	18	**02DEC13**	*02DEC13*	**06JAN14**	*06JAN14*	62	**41,342.40**		0.00
8200-0081	TF Install and torque all bolts	8	**07JAN14**	*07JAN14*	**16JAN14**	*16JAN14*	62	**18,374.40**		0.00
8200-0082	PF2 Mark location; lower and support	2	**28NOV12**	*28NOV12*	**29NOV12**	*29NOV12*	103	**4,443.20**		0.00



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
8200-0083	PF2 Replace existing hardware (bolted)	1	**01APR13***	*01APR13**	**01APR13**	*01APR13*	24	**2,221.60**		0.00
8200-0084	PF2 Install New plates (bolted)	4	**02APR13**	*02APR13*	**05APR13**	*05APR13*	24	**8,886.40**		0.00
8200-0085	PF2 weld reinforcement	8	**08APR13**	*08APR13*	**17APR13**	*17APR13*	24	**17,772.80**		0.00
8200-0086	PF2 Reinstall	2	**18APR13**	*18APR13*	**19APR13**	*19APR13*	24	**4,443.20**		0.00
8200-0087	PF3 lower and support	2	**22APR13**	*22APR13*	**23APR13**	*23APR13*	24	**4,443.20**		0.00
8200-0088	PF3 remove bolted support	1	**24APR13**	*24APR13*	**24APR13**	*24APR13*	24	**2,221.60**		0.00
8200-0089	PF3 Install new bolted support	8	**25APR13**	*25APR13*	**06MAY13**	*06MAY13*	24	**17,772.80**		0.00
8200-0090	PF3 weld reinforcement	18	**07MAY13**	*07MAY13*	**31MAY13**	*31MAY13*	24	**39,988.80**		0.00
8200-0091	PF3 Reinstall & Align	3	**03JUN13**	*03JUN13*	**05JUN13**	*05JUN13*	24	**6,664.80**		0.00
8200-0092	PF4, 5 lower and install 1/4" plate	12	**06JUN13**	*06JUN13*	**21JUN13**	*21JUN13*	24	**17,772.80**		0.00
8200-0093	PF4, 5 Install new bolts and torque	6	**24JUN13**	*24JUN13*	**01JUL13**	*01JUL13*	24	**13,329.60**		0.00
8200-0094	PF4 Install new clamps	12	**02JUL13**	*02JUL13*	**19JUL13**	*19JUL13*	24	**26,659.20**		0.00
8200-0095	PF5 U&L Reconnect & Install New Intersticial	6	**22JUL13**	*22JUL13*	**29JUL13**	*29JUL13*	24	**13,329.60**		0.00
8200-0095A	TF Reinforce clevis	12	**30JUL13**	*30JUL13*	**14AUG13**	*14AUG13*	24	**26,659.20**		0.00
8200-0095B	TF Install new TF wet layup & clamp	9	**15AUG13**	*15AUG13*	**27AUG13**	*27AUG13*	24	**19,994.40**		0.00
8200-0096	VV Umbrella legs Weld reinforcement plate	24	**28AUG13**	*28AUG13*	**01OCT13**	*01OCT13*	24	**53,393.60**		0.00
8200-0097	Umbrella leg Remove Existing hardware	5	**02OCT13**	*02OCT13*	**08OCT13**	*08OCT13*	24	**11,484.00**		0.00
8200-0098	Umbrella legs Add reinforcement plate	8	**09OCT13**	*09OCT13*	**18OCT13**	*18OCT13*	24	**18,374.40**		0.00
8200-0099	TF Install New Coil	5	**21OCT13**	*21OCT13*	**25OCT13**	*25OCT13*	24	**90,468.00**		0.00
8200-0100	Prefit & Match Drill New Umbrella Lid	10	**28OCT13**	*28OCT13*	**08NOV13**	*08NOV13*	24	**45,936.00**		0.00
8200-0101	VV Legs Reinforcements Plate	8	**11NOV13**	*11NOV13*	**20NOV13**	*20NOV13*	24	**18,374.40**		0.00
8200-0102	Reinstall platform sections	8	**17JAN14**	*17JAN14*	**28JAN14**	*28JAN14*	62	**36,748.80**		0.00
Alignment Verification Coil & VV										
8200-0105	Map internal targets to external	10	**21NOV13***	*21NOV13**	**06DEC13**	*06DEC13*	24	**37,619.20**		0.00
8200-0106	Verify Vessel Alignemnt targets	10	**09DEC13**	*09DEC13*	**20DEC13**	*20DEC13*	24	**37,619.20**		0.00
8200-0107	Verify Coil Alignment Targets	20	**02JAN14**	*02JAN14*	**29JAN14**	*29JAN14*	24	**75,238.40**		0.00
8200-0108	Adjust vessel Internals	30	**30JAN14**	*30JAN14*	**12MAR14**	*12MAR14*	24	**112,857.60**		0.00
8200-0109	Adjust TF Coils	4	**13MAR14**	*13MAR14*	**18MAR14**	*18MAR14*	24	**15,047.68**		0.00
8200-0110	Adjust PF Coils	6	**19MAR14**	*19MAR14*	**26MAR14**	*26MAR14*	24	**22,571.52**		0.00
8200-0112	Fit and Install PF 1a, 1b, 1c U&L buswork	15	**02OCT13***	*02OCT13**	**22OCT13**	*22OCT13*	56	**34,452.00**		0.00
8200-0113	Fit and Install OH U&L buswork	15	**23OCT13**	*23OCT13*	**12NOV13**	*12NOV13*	56	**34,452.00**		0.00
8200-0114	Install CHI & Ring bus	8	**13NOV13**	*13NOV13*	**22NOV13**	*22NOV13*	56	**18,374.40**		0.00
8200-0115	Install TF coil cooling system (72)	3	**25NOV13**	*25NOV13*	**27NOV13**	*27NOV13*	56	**6,890.40**		0.00
8200-0116	Install Inboard Divertor heating/cooling system	15	**02DEC13**	*02DEC13*	**20DEC13**	*20DEC13*	56	**34,452.00**		0.00
8200-0117	New TF air cooled bus and support system	25	**02JAN14**	*02JAN14*	**05FEB14**	*05FEB14*	56	**57,420.00**		0.00
Reinstall Equipment										
8200-0120	Gas Injection System	15	**10APR14**	*10APR14*	**30APR14**	*30APR14*	11	**68,904.00**		0.00
8200-0121	Reinstall insulation	10	**01MAY14**	*01MAY14*	**14MAY14**	*14MAY14*	11	**22,968.00**		0.00



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
8200-0122	Platform areas reinstall	10	**15MAY14**	*15MAY14*	**29MAY14**	*29MAY14*	11	**45,936.00**		0.00
8200-0123	Heating Manifold Reconfigure	10	**06FEB14**	*06FEB14*	**19FEB14**	*19FEB14*	86	**56,718.00**		0.00
8200-0124	Re-install RF pipes	30	**15MAY14***	*15MAY14**	**26JUN14**	*26JUN14*	51	**243,575.20**		0.00
8200-0125	Reinstall electrical Tray	40	**30MAY14**	*30MAY14*	**25JUL14**	*25JUL14*	11	**91,872.00**		0.00
Bay by Bay Diagnostic										
8200-0130	Perform bay by bay review Elect	2	**27MAR14**	*27MAR14*	**28MAR14**	*28MAR14*	24	**7,287.20**		0.00
8200-0131	Perform bay by bay review Mech	2	**31MAR14**	*31MAR14*	**01APR14**	*01APR14*	24	**7,287.20**		0.00
8200-0132	Write reinstallation procedures	5	**02APR14**	*02APR14*	**08APR14**	*08APR14*	24	**18,218.00**		0.00
8200-0133	Reinstall Mech	10	**09APR14**	*09APR14*	**22APR14**	*22APR14*	24	**36,748.80**		0.00
8200-0134	Reinstall Upper and lower port Eqpt	18	**23APR14**	*23APR14*	**16MAY14**	*16MAY14*	24	**66,147.84**		0.00
8200-0135	Reinstall Elect	10	**28JUL14**	*28JUL14*	**08AUG14**	*08AUG14*	11	**22,968.00**		0.00
8200-0136	Testing	10	**11AUG14**	*11AUG14*	**22AUG14**	*22AUG14*	11	**22,968.00**		0.00
Job: 8250 - Remove/Install Centerstack-PERRY										
Remove Old Centerstack										
8250-101	Disconnect Hoses	1	**02JAN13***	*02JAN13**	**02JAN13**	*02JAN13*	161	**4,967.20**		0.00
8250-105	Remove umbrella lid (top and bottom)	1	**03JAN13**	*03JAN13*	**03JAN13**	*03JAN13*	161	**4,967.20**		0.00
8250-109	Remove flex bus (top and bottom)	6	**04JAN13**	*04JAN13*	**11JAN13**	*11JAN13*	161	**40,466.88**		0.00
8250-113	Support lower support structure	4	**14JAN13**	*14JAN13*	**17JAN13**	*17JAN13*	161	**26,977.92**		0.00
8250-117	lift old centerstack	2	**18JAN13**	*18JAN13*	**21JAN13**	*21JAN13*	161	**13,488.96**		0.00
8250-121	Remove old centerstack pedestal	5	**22JAN13**	*22JAN13*	**28JAN13**	*28JAN13*	235	**20,392.80**		0.00
8250-122	Purchase passive plate bolts	65	**17OCT12**	*17OCT12*	**28JAN13**	*28JAN13*	235	**63,360.00**		0.00
8250-122A	Replace mountiung bolts for passive plates	60	**29JAN13**	*29JAN13*	**22APR13**	*22APR13*	235	**85,309.44**		0.00
Install New Centerstack										
8250-123	Dsgn Lift Fixture for new centerstack pedestal	120	**01OCT12***	*01OCT12**	**28MAR13**	*28MAR13*	182	**106,284.00**		0.00
8250-124	Fab Lift Fixture for new centerstack pedestal	70	**01OCT13***	*01OCT13**	**20JAN14**	*20JAN14*	54	**68,623.20**		0.00
8250-125	Install new centerstack pedestal	10	**21JAN14**	*21JAN14*	**03FEB14**	*03FEB14*	54	**46,186.00**		0.00
8250-129	Lift in new centerstack (2 times)	4	**04APR14**	*04APR14*	**09APR14**	*09APR14*	11	**27,879.04**		0.00
8250-133	Check vacuum seals	5	**10APR14**	*10APR14*	**16APR14**	*16APR14*	13	**21,068.00**		0.00
8250-137	Install new flex bus (3 times w/2 re-machinings)	27	**17APR14**	*17APR14*	**23MAY14**	*23MAY14*	13	**190,883.52**		0.00
8250-141	Install new umbrella (3 times w/2 re-machinings)	6	**27MAY14**	*27MAY14*	**03JUN14**	*03JUN14*	13	**41,818.56**		0.00
Close Vessel and Pumpdown										
8250-145	Clean, Photo, Close VV	9	**04JUN14**	*04JUN14*	**16JUN14**	*16JUN14*	13	**79,264.80**		0.00
8250-149	Pumpdown	1	**17JUN14**	*17JUN14*	**17JUN14**	*17JUN14*	13	**6,969.76**		0.00
8250-153	Leak check	12	**18JUN14**	*18JUN14*	**03JUL14**	*03JUL14*	13	**83,637.12**		0.00
8250-157	Setup for Bakeout	5	**07JUL14**	*07JUL14*	**11JUL14**	*11JUL14*	13	**34,848.80**		0.00
8250-161	Rayleigh/Raman Scattering	5	**14JUL14**	*14JUL14*	**18JUL14**	*18JUL14*	13	**16,474.40**		0.00
8250-165	Bakeout	16	**21JUL14**	*21JUL14*	**11AUG14**	*11AUG14*	13	**140,915.20**		0.00
8250-169	Recover from bakeout & scrub	7	**12AUG14**	*12AUG14*	**20AUG14**	*20AUG14*	13	**48,788.32**		0.00
8250-173	Ready for ISTP	0			**22AUG14**	*22AUG14*	11	**0.00**		0.00



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmplt	Earned value cost (BCWP)
Job: 7900 - Integrated System Test-GENTILE										
Integrated System Testing (WBS 1.7 / Job 7900)										
7900-110	Prepare NBI2 & CS ISTP Test Procedures	65	**02OCT13***	*02OCT13**	**14JAN14**	*14JAN14*	127	**21,976.80**		0.00
7900-120	Conduct ACC Review of Upgrades	40	**15JAN14**	*15JAN14*	**11MAR14**	*11MAR14*	127	**30,661.60**		0.00
7900-140	Perform ISTP	15	**09SEP14**	*09SEP14*	**29SEP14**	*29SEP14*	1	**14,651.20**		0.00
7900-150	Participate in cost and schedule reviews	911*	**01OCT10***	*01OCT10A*	**03SEP14**	*02JUN14*	84	**6,910.71**	**LOE**	442.29
7900-999	NSTX RESUME OPERATIONS	0			**29SEP14**	*29SEP14*	1	**0.00**		0.00
FY107900	FY10 Actual Cost	40	**02NOV09A**	*02NOV09A*	**23DEC09A**	*23DEC09A*		**3,956.00**	**100**	3,956.00