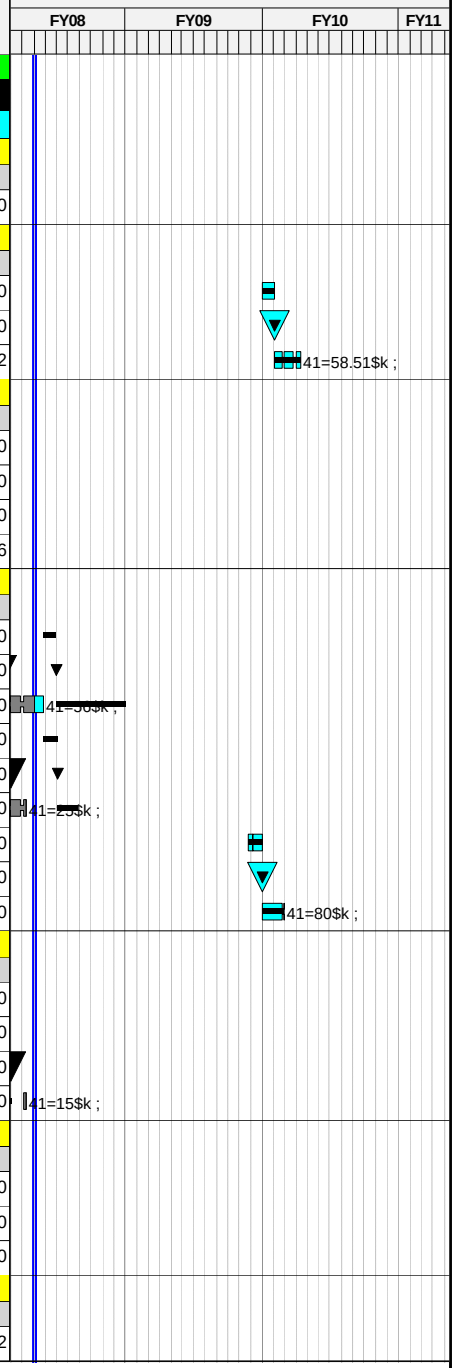
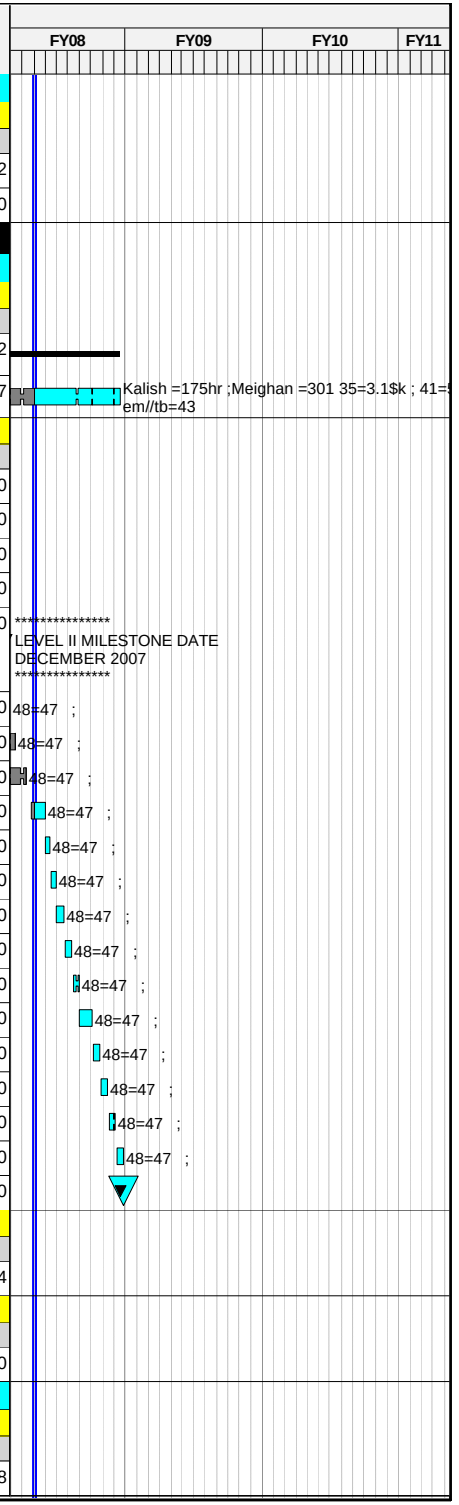
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
cc 9450 - NCSX Fabrication (MIE)											
12 - Vacuum Vessel Systems											
Job: 1204 - VV Sys Procurements (nonVVSA)-DUDEK											
VV Vertical Supports											
124-037		PPPL Fab VV Vert. Sprts (log # M1091) (complet	197		01NOV07A	30NOV07A	01MAY07A		100	0.00	0.00
VV Personnel Access Port & Lateral sprts											
124-110		Issue req,Bid & Award VV NB port cover	25		01OCT09*	04NOV09	04NOV09	81		0.00	0.00
124-120		Award VV NB port cover	0			04NOV09*	04NOV09*	81		0.00	0.00
124-130		VV NB port cover Fabrication	40		05NOV09	13JAN10	13JAN10	81		0.00	83,786.32
VV Local I&C											
1204-101		Drawings Signed -Local I&C	0			01MAY07A	01MAY07*		100	0.00	0.00
1204-105		Issue req,Bid & Award -Local I&C	25		02MAY07A	06JUN07A	06JUN07		100	0.00	0.00
1204-109		Award -Local I&C	0			06JUN07A	06JUN07		100	0.00	0.00
1204-113		Deliver -Local I&C	40		07JUN07A	29JUN07A	02AUG07		100	34,400.96	34,400.96
Thermal Insulation											
123-040		Issue req,Bid & Award insul boots	25		01OCT07A	31OCT07A	31MAR08		100	0.00	0.00
123-045		Award Insulation Boots	0			30OCT07A	31MAR08*		100	0.00	0.00
123-050		Fabricate& Deliver Insul Boots	97*		01OCT07A	25FEB08	02OCT08	210	50	36,460.50	72,921.00
122-035		Issue req,Bid & Award Port Thermal Insulation	33*		15OCT07A	30NOV07A	01APR08		100	0.00	0.00
122-041		Award Port Thermal Insulation	0			30NOV07A	01APR08*		100	0.00	0.00
122-051		Deliver Port Thermal Insulation	42*		01NOV07A	10JAN08A	28MAY08		100	32,700.00	32,700.00
122-030		Issue req,Bid & Award Pourable Insulation	25		27AUG09	01OCT09	01OCT09	176		0.00	0.00
122-036.9		Award Pourable Insulation	0			01OCT09*	01OCT09*	176		0.00	0.00
122-037		Deliver Pourable Insulation	40		02OCT09	30NOV09	30NOV09	176		0.00	114,560.00
Heater Tape for Port Stub											
1204-121		Drawings Signed Heater Tape for port stubs	0			31JUL07A	04SEP07*		100	0.00	0.00
1204-125		Issue req,Bid & Award -Heater Tape for port stub	33*		15OCT07A	30NOV07A	09OCT07		100	0.00	0.00
1204-129		Award Heater Tape for port stubs	0			30NOV07A	09OCT07		100	0.00	0.00
1204-130		Deliver Heater Tape for port stubs	8*		02JAN08A	11JAN08A	06DEC07		100	20,143.20	20,143.20
T/C and Heater Tape Leads											
1204-145		Issue req,Bid & Award-T/C and Heater Tape Leads	25		01MAY07A	01JUN07A	03OCT07		100	0.00	0.00
1204-149		Award T/C and Heater Tape Leads	0			01JUN07A	03OCT07		100	0.00	0.00
1204-153		Deliver T/C and Heater Tape Leads PE007375	126*		04JUN07A	28SEP07A	28NOV07		100	36,047.00	36,047.00
Spacer Flux Loops											
1204-173M		Material Delivery (desifn/fab in job 3101)	35		01JUN07A	29JUN07A	08AUG07		100	12,275.12	12,275.12

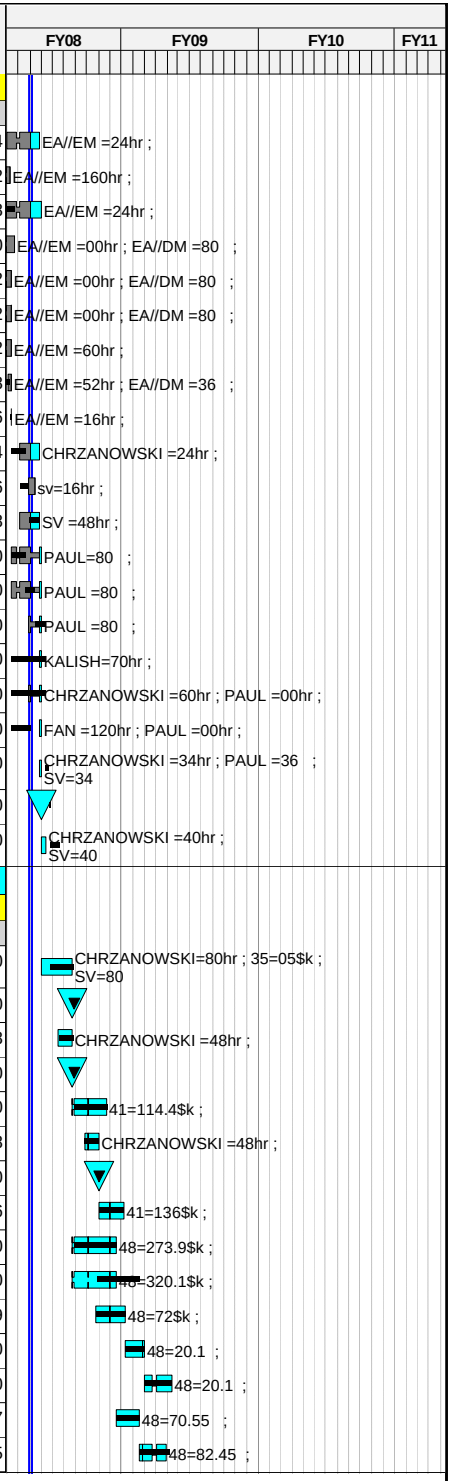


Forecast
Progress Bar
Critical Activity

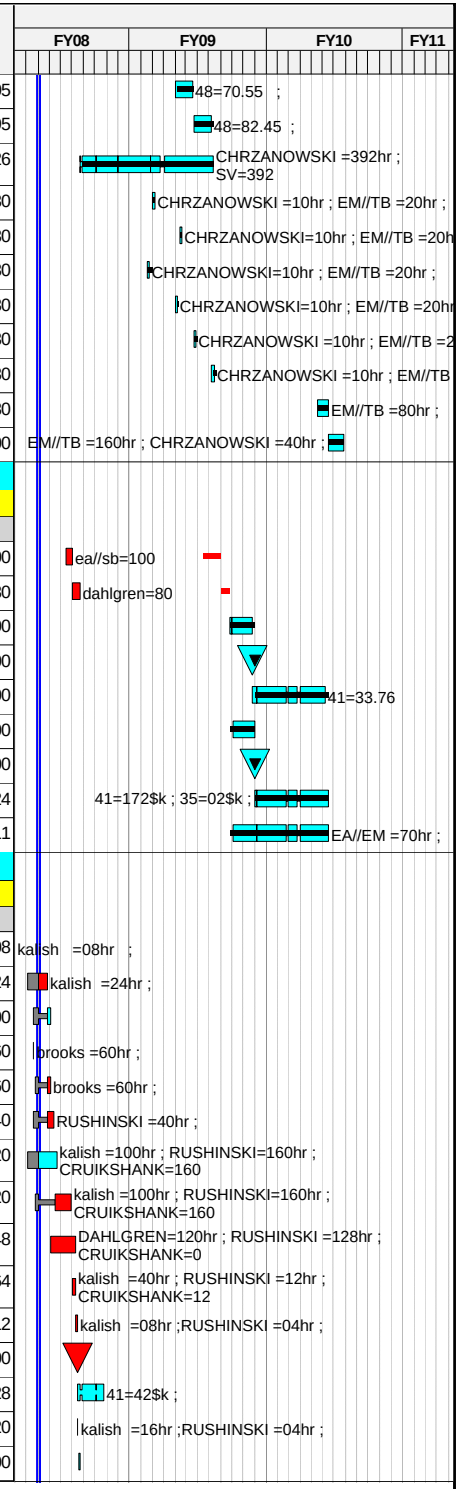
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
Job: 1250 - Vacuum Vessel FabricationCLOSED****											
99.07W		Scrap value of Kirksite dies (minimum sale price	22*		01MAY07A	31MAY07A	31MAY07A		100	-161,694.72	-161,694.72
99.08W		Retroactive mhx exclusion adjustment	22*		01JUL07A	31JUL07A	31AUG07A		100	-90,000.00	-90,000.00
13 - Conventional Coils											
Job: 1361 - TF Fabrication-KALISH											
TF Title III and Fabrication Oversight											
131-033		Title III engr	348*		01MAY07A	31OCT07A	18SEP08		LOE	110,300.62	110,300.62
131-033B		Title III engr	219*		01NOV07A	18SEP08		1,007	LOE	26,595.14	102,288.97
TF Fabrication Contract											
1361C-101		Fab, Test & Deliver Coil #1	51*		01JUN07A	13AUG07A	20JUL07		100	27,210.00	27,210.00
1361C-102		Fab, Test & Deliver Coil #2	61*		01JUN07A	27AUG07A	03AUG07		100	43,590.00	43,590.00
1361C-103		Fab, Test & Deliver Coil #3	86*		02JUL07A	05OCT07A	31AUG07		100	47,210.00	47,210.00
1361C-104		Fab, Test & Deliver Coil #4	57*		01AUG07A	19OCT07A	28SEP07		100	47,210.00	47,210.00
1361C-104M	2	** DELIVER TF COILS FOR FPA #1 ASSY **	0			19OCT07A	28SEP07			0.00	0.00
1361C-105		Fab, Test & Deliver Coil #5	85*		01AUG07A	20NOV07A	26OCT07		100	47,210.00	47,210.00
1361C-106	3	Fab, Test & Deliver Coil #6	48*		15OCT07A	14DEC07A	23NOV07		100	47,210.00	47,210.00
1361C-107		Fab, Test & Deliver Coil #7	54*		15OCT07A	09JAN08A	21DEC07		100	47,210.00	47,210.00
1361C-108		Fab, Test & Deliver Coil #8	26*		25JAN08A	29FEB08	18JAN08	327	86	40,600.60	47,210.00
1361C-109		Fab, Test & Deliver Coil #9	10*		03MAR08*	14MAR08	12FEB08	327		0.00	47,000.00
1361C-110		Fab, Test & Deliver Coil #10	10*		17MAR08*	28MAR08	06MAR08	327		0.00	47,000.00
1361C-111		Fab, Test & Deliver Coil #11	15*		31MAR08*	18APR08	31MAR08	327		0.00	0.00
1361C-112		Fab, Test & Deliver Coil #12	13*		23APR08*	09MAY08	23APR08	325		0.00	0.00
1361C-113		Fab, Test & Deliver Coil #13	10*		16MAY08*	30MAY08	16MAY08	339		0.00	0.00
1361C-114		Fab, Test & Deliver Coil #14	24*		02JUN08*	03JUL08	10JUN08	339		0.00	0.00
1361C-115		Fab, Test & Deliver Coil #15	15*		07JUL08*	25JUL08	03JUL08	339		0.00	0.00
1361C-116		Fab, Test & Deliver Coil #16	15*		28JUL08*	15AUG08	28JUL08	339		0.00	0.00
1361C-117		Fab, Test & Deliver Coil #17	14*		18AUG08*	05SEP08	20AUG08	339		0.00	0.00
1361C-118		Fab, Test & Deliver Coil #18	15*		08SEP08*	26SEP08	12SEP08	339		0.00	0.00
1351-195X	3	ALL TF COILS DELIVERED	0			26SEP08	18SEP08	339		0.00	0.00
FY07 Rebaseline Exercise											
ECP53RBX03		FY07 Rebaseline exercise	22*		01MAY07A	31MAY07A	31MAY07A		100	1,393.84	1,393.84
99.07X		Retroactive MHX exclusion	22*		01MAY07A	31MAY07A	31MAY07A		100	-38,281.20	-38,281.20
Job: 1302 - PF Design -KALISH											
FY07 Rebaseline Exercise											
ECP53RBX02		FY07 Rebaseline exercise	22*		01MAY07A	31MAY07A	31MAY07A		100	4,529.98	4,529.98



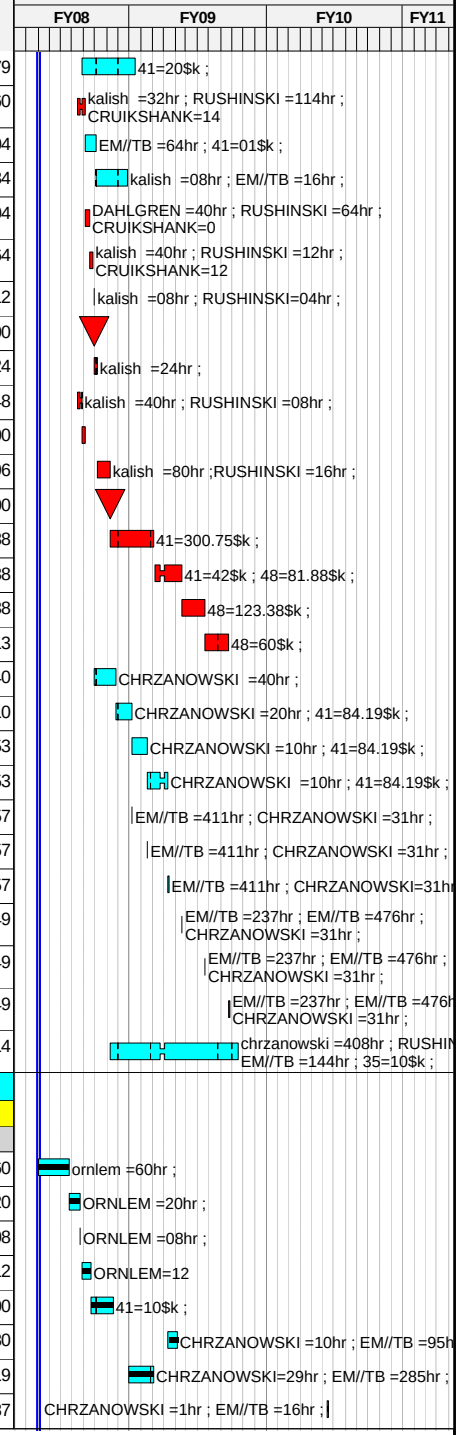
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
1302-200		Complete PF Coil SRD	54*		03DEC07A	25FEB08	28AUG07	18	80	3,566.59	4,458.24
1302-205		Update PF Analysis	97*		06AUG07A	07DEC07A	24OCT07		100	28,894.62	28,894.62
1302-210		Update PF Coil SDD	114*		12SEP07A	29FEB08	21DEC07	18	85	3,762.68	4,426.68
1302-211		Complete PF4 PDR Model	102*		30JUL07A	21DEC07A	26SEP07		100	14,462.90	14,462.90
1302-212		Complete PF5 PDR Model	96*		07AUG07A	14DEC07A	24OCT07		100	14,475.62	14,475.62
1302-213		Complete PF6 PDR Model	96*		07AUG07A	14DEC07A	21NOV07		100	14,475.62	14,475.62
1302-251		PDR Level Design Support	114*		07AUG07A	14DEC07A	23NOV07		100	10,856.72	10,856.72
1302-220		Prepare for PDR	8		05DEC07A	14DEC07A	07DEC07		100	16,346.88	16,346.88
1302-225	3	PF Coils - PDR	1	R	14DEC07A	14DEC07A	11DEC07		100	2,972.16	2,972.16
1302-240		Disposition PDR Chits	39*		02JAN08A	25FEB08	17JAN08	18	75	3,343.68	4,458.24
1302-214		Prepare,Review & Approve conductor spec	11		28JAN08A	11FEB08A	29JAN08		100	2,972.16	2,972.16
1302-216		Prepare,Review & Approve coil spec	39*		02JAN08A	25FEB08	26FEB08	22	80	7,133.18	8,916.48
1302-235		Detail Drawings PF4	49*		14DEC07A	29FEB08	17JAN08	18	95	14,117.76	14,860.80
1302-245		Detail Drawings PF5	49*		14DEC07A	29FEB08	14FEB08	18	95	14,117.76	14,860.80
1302-260		Detail Drawings PF6	25*		28JAN08A	29FEB08	13MAR08	18	95	14,117.76	14,860.80
1302-250		Analysis Support	4*		26FEB08	29FEB08	13MAR08	18		0.00	0.00
1302-217		Drawing Support	25*		28JAN08A	29FEB08	13MAR08	18	95	10,588.32	11,145.60
1302-218		PF Stress Analysis with leads	4*		26FEB08*	29FEB08	31JAN08	18		0.00	0.00
1302-265		Prepare for FDR	4*		26FEB08*	29FEB08	20MAR08	18		0.00	0.00
1302-270	3	PF Coils - FDR	0	R		29FEB08	24MAR08	18		0.00	0.00
1302-275		Resolve FDR Chits	10		03MAR08	14MAR08	21APR08	136		0.00	14,860.80
Job: 1352 - PF Coil Procurement-CHRZANOWSKI											
PF Coil Fabrication											
141-035		Bid & Award PF Coil Fabrication	58		03MAR08	21MAY08	27MAY08	18		0.00	35,811.60
141-036	2	PF Coils Awarded	0			21MAY08	27MAY08	18		0.00	0.00
141-037		Bid & Award Conductor	25		17APR08	21MAY08	27MAY08	88		0.00	8,916.48
141-038	3	PF Conductor Awarded	0			21MAY08*	27MAY08*	88		0.00	0.00
141-038.1		PF Conductor Delivery	65		22MAY08	22AUG08	27AUG08	88		0.00	149,635.20
141-039		Bid & Award Materials	25		27JUN08	01AUG08	01AUG08	58		0.00	8,916.48
141-040		PF Materials Awarded	0			01AUG08*	01AUG08*	58		0.00	0.00
1352-100		Materials Delivery PF 4,5,6	45		04AUG08	06OCT08	06OCT08	58		0.00	178,529.66
1352-121		Design/Fab Tooling for PF 5	80		22MAY08	15SEP08	18SEP08	18		0.00	280,747.50
1352-122		Design/Fab Tooling for PF 6	80		22MAY08	15SEP08	17NOV08	63		0.00	328,102.50
1352-120		Tooling for PF 4	55		25JUL08*	10OCT08	10OCT08	54		0.00	74,072.29
1352-150		Fabricate/Dlvr PF 4 lower	35		13OCT08	02DEC08	02DEC08	54		0.00	21,125.10
1352-151		Fabricate/Dlvr PF 4 upper	45		03DEC08	12FEB09	12FEB09	405		0.00	21,125.10
1352-165		Fabricate/Dlvr PF 5 Lower	45		16SEP08	17NOV08	20NOV08	18		0.00	73,699.67
1352-145		Fabricate/Dlvr PF 6 Lower	45		18NOV08	30JAN09	04FEB09	18		0.00	86,654.95



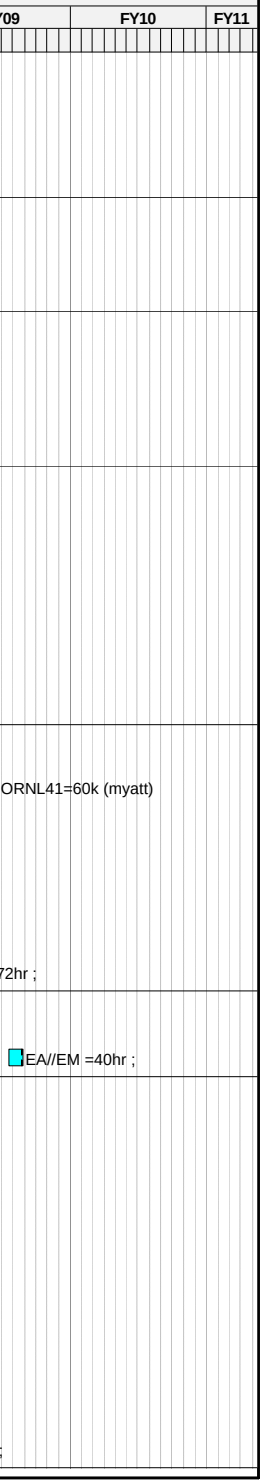
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
1352-166		Fabricate/Dlvr PF 5 Upper	35		02FEB09	20MAR09	25MAR09	344		0.00	74,148.05
1352-146		Fabricate/Dlvr PF 6 Upper	35		23MAR09	08MAY09	13MAY09	344		0.00	86,654.95
141-031		Title III engr WBS 132	241		22MAY08	11MAY09	14MAY09	849	LOE	0.00	148,295.26
141-900		PF4 Lower Inspection & Test	5		03DEC08	09DEC08	09DEC08	54		0.00	3,561.30
141-900A		PF4 Upper Inspection & Test	5		13FEB09	19FEB09	19FEB09	405		0.00	3,561.30
141-901		PF5 Lower Inspection & Test	5		18NOV08	24NOV08	01DEC08	63		0.00	3,561.30
141-902		PF6 Lower Inspection & Test	5		02FEB09	06FEB09	11FEB09	18		0.00	3,561.30
141-905		PF5 Upper Inspection & Test	5		23MAR09	27MAR09	01APR09	379		0.00	3,561.30
141-906		PF6 Upper Inspection & Test	5		11MAY09	15MAY09	20MAY09	344		0.00	3,561.30
141-903		Refurbish PF 1a	20		18FEB10*	17MAR10	17MAR10	101		0.00	6,820.80
141-904		Assemble PF1a and CS structure	30		18MAR10	28APR10	28APR10	101		0.00	21,550.00
Job: 1353 - CS Structure Procurement-DAHLGREN											
CS Support Structure											
1353-001		Design PF1a upper to lower interconnect bus	12		17APR08*	02MAY08	01JUN09	-5		0.00	11,991.00
1353-002		Engr & analysis of bus	14		05MAY08	22MAY08	29JUN09	-5		0.00	14,860.80
1353-003		Bid & Award PF1a bus	39		30JUN09*	24AUG09	01SEP09	107		0.00	0.00
1353-004		Award PF1a bus	0			24AUG09	01SEP09*	107		0.00	0.00
1353-005		Fab & Deliver PF1a bus	130		25AUG09	09MAR10	17MAR10	107		0.00	48,108.00
163-035		Bid & Award CS Support Struct	40		08JUL09	01SEP09	01SEP09	101		0.00	0.00
163-036.9		Award CS Support Structure	0			01SEP09*	01SEP09*	101		0.00	0.00
163-037		CS Support Structure Procurement/Fab	130		02SEP09	17MAR10	17MAR10	101		0.00	247,857.24
163-015		Title III design CS sprt struc	170*		08JUL09	17MAR10	17MAR10	101	LOE	0.00	13,679.11
Job: 1354 - Trim Coil Design &Procurement-KALISH											
Trim Coil **Updated estimate**											
TRIM-010		Peer Review of Requirements	1		01NOV07A	30NOV07A			100	1,486.08	1,486.08
TRIM-020		Trim Coil System Requirements Document	39*		02JAN08A	25FEB08		-19	35	1,560.38	4,458.24
TRIM-030		Review and Approve SRD	5		18JAN08A	03MAR08		24		0.00	0.00
TRIM-040		Complete Trim Coil Magnetics Analysis	3*		18JAN08A	21JAN08A			100	11,145.60	11,145.60
TRIM-050		Complete Trim Coil Cooling Analysis	10		23JAN08A	03MAR08		-19	50	5,572.80	11,145.60
TRIM-060		Modify PF Coil Structures	41*		18JAN08A	14MAR08		-11	50	3,715.20	7,430.40
TRIM-070		Complete Layout of Trim Coils	58*		02JAN08A	21MAR08		17	90	70,217.28	78,019.20
TRIM-071		Complete Layout of Structure Interface	55		25JAN08A	30APR08		-11	40	31,207.68	78,019.20
TRIM-080		Stress Analysis of Coil and Structure	50		04MAR08*	12MAY08		-19		0.00	46,068.48
TRIM-090		Prepare for PDR	7		02MAY08	12MAY08		-19		0.00	11,888.64
TRIM-100		Trim Coil PDR	1		13MAY08	13MAY08		-19		0.00	2,229.12
TRIM-101	3	** Trim Coil PDR **	0			13MAY08		-19		0.00	0.00
TRIM-110		Procure Trim Coil Insulation	50		14MAY08	24JUL08		74		0.00	54,818.28
TRIM-130		Prepare Conductor Procurement Spec	3		14MAY08	16MAY08		16		0.00	3,715.20
TRIM-140		Review and Approve Conductor Spec.	5		19MAY08	23MAY08		16		0.00	0.00



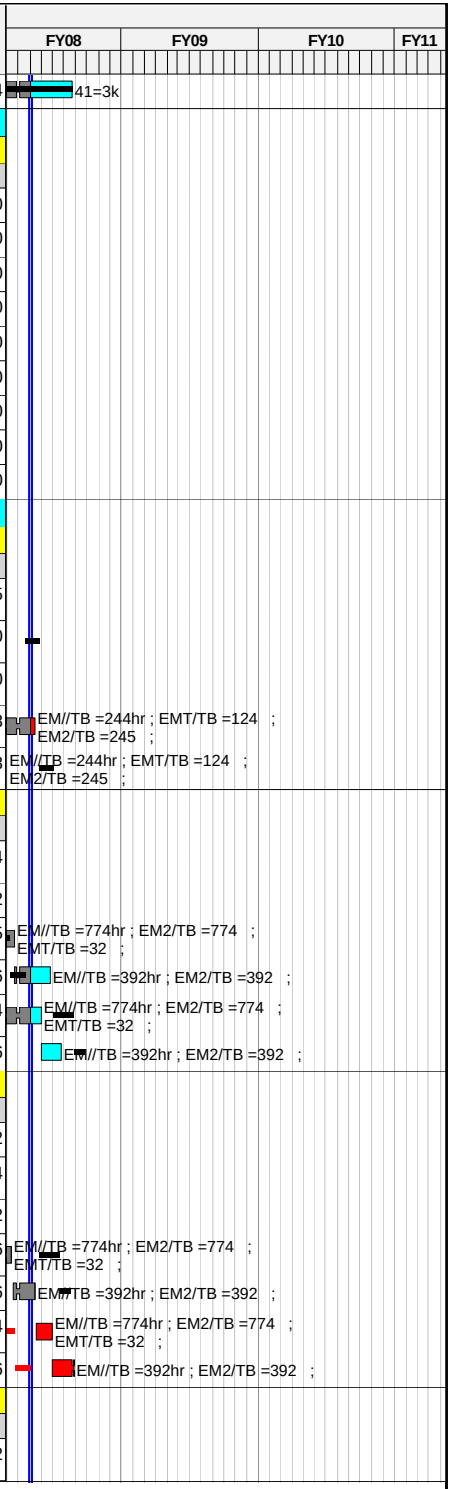
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
TRIM-120		Procure Trim Coil Conductor	100		27MAY08	15OCT08		16		0.00	25,762.79
TRIM-170		Complete Trim Coil Detailed Drawings	15		14MAY08	04JUN08		-19		0.00	29,721.60
TRIM-180		Fabricate Trim Coil MockUps	20		05JUN08	02JUL08		74		0.00	6,435.04
TRIM-190		Use Mockup to Spot Bracket Locations	60		03JUL08	26SEP08		74		0.00	2,767.84
TRIM-200		Complete Trim Coil Structure Detail Drawings	10		05JUN08	18JUN08		-19		0.00	19,319.04
TRIM-210		Prepare for FDR	7		19JUN08	27JUN08		-19		0.00	11,888.64
TRIM-220		Trim Coil + Structure FDR	1		30JUN08	30JUN08		-19		0.00	2,229.12
TRIM-221	3	** Trim Coil + Structure FDR **	0			30JUN08		-19		0.00	0.00
TRIM-230		Resolve Chits	5		01JUL08	08JUL08		-19		0.00	4,458.24
TRIM-150		Prepare Trim Coil Procurement Spec.	10		14MAY08	28MAY08		-9		0.00	8,916.48
TRIM-160		Approve Procurement Spec	5		29MAY08	04JUN08		-9		0.00	0.00
TRIM-240		Trim Coil Procurement	25		09JUL08	12AUG08		-19		0.00	17,832.96
TRIM-250		AWARD TRIM COIL PROCUREMENT	0			12AUG08		-19		0.00	0.00
TRIM-260		Vendor Design and Fixture Fabrication	80		13AUG08	05DEC08		-19		0.00	408,771.88
TRIM-270		Fabricate Trim Coils for FPA #1	45		08DEC08	17FEB09		-19		0.00	144,031.38
TRIM-275		Fabricate Trim Coils for FPA #2	45		18FEB09	21APR09		-6		0.00	129,672.38
TRIM-280		Fabricate Trim Coils for FPA #3	45		22APR09	24JUN09		-6		0.00	62,671.13
TRIM-290		Procure Material for Structure	40		01JUL08	26AUG08		66		0.00	7,430.40
TRIM-300		Fabricate Brackets for 1st FPA	30		27AUG08	08OCT08		66		0.00	115,356.10
TRIM-303		Fabricate Brackets for 2nd FPA	30		09OCT08	19NOV08		142		0.00	119,525.53
TRIM-306		Fabricate Brackets for 3rd FPA	30		20NOV08	13JAN09		142		0.00	119,525.53
TRIM-310		Install TC Brackets on Modular Coils 1st FPA	1	2	09OCT08	09OCT08		66		0.00	39,818.57
TRIM-311		Install TC Brackets on Modular Coils 2nd FPA	1	2	20NOV08	20NOV08		163		0.00	39,818.57
TRIM-312		Install TC Brackets on Modular Coils 3rd FPA	1	2	14JAN09	14JAN09		142		0.00	39,818.57
TRIM-320		Install Trim Coils On 1st FPA	1	2	18FEB09	18FEB09		-19		0.00	64,721.49
TRIM-330		Install Trim Coils On 2nd FPA	1	2	22APR09	22APR09		-3		0.00	64,721.49
TRIM-340		Install Trim Coils On 3rd FPA	1	2	25JUN09	25JUN09		-6		0.00	64,721.49
TRIM-399		Title III support & oversight	231		13AUG08	17JUL09		802		0.00	117,128.14
Job: 1355 - WBS 13 I&C Proc and Coil Assy-COLE											
TF/PF Loacl I&C											
1355-101		Design, and Review	60		01FEB08*	24APR08	24APR08	65		0.00	9,705.60
1355-103		Prepare Installation Procedures	20		25APR08	22MAY08	22MAY08	65		0.00	3,235.20
1355-105		TF/PF Local I&C - FDR	1	R	23MAY08	23MAY08	23MAY08	65		0.00	1,294.08
1355-107		Prep req,bid,award T/C and wire	20		27MAY08	23JUN08	23JUN08	65		0.00	1,941.12
1355-109		Deliver of T/C and wire	40		24JUN08	19AUG08	19AUG08	65		0.00	13,080.00
1355-111		Installation on PF4,5,6 Coils upon delivery	20		12JAN09	06FEB09	11FEB09	18		0.00	9,745.80
1355-112		Installation on TF Coils upon delivery	45		01OCT08*	04DEC08	04DEC08	36		0.00	29,046.19
1355-113		Installation on PF1a Coils upon delivery	3		15MAR10	17MAR10	17MAR10	101		0.00	1,561.87



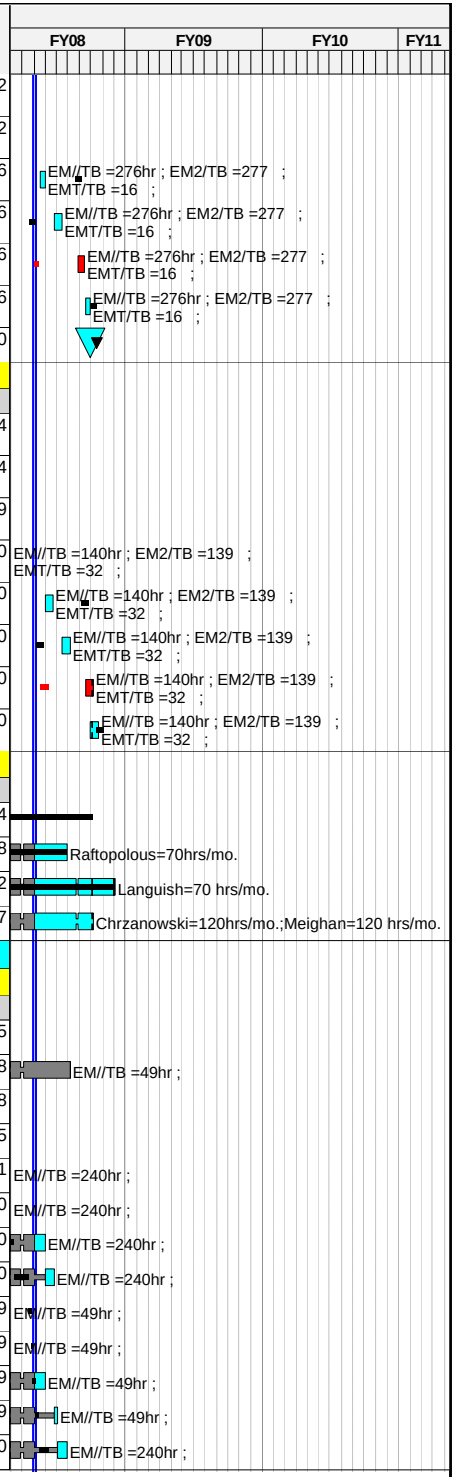
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
14 - Modular Coils											
Job: 1404 - MCWF R&D 1st Prod CastingCLOSED****											
99.07Z		Retroactive MHX exclusion	22*		01MAY07A	31MAY07A	31MAY07A		100	-35,940.00	-35,940.00
Job: 1416 - Mod Coil Type AB Fnl Dsn-WILLIAMSON											
Clamp hardware modifications											
1416-204.1		Modify Type-B clamps for stud attachment	42*		01JUN07A	31JUL07A	13JUL07		100	7,786.00	7,786.00
Blanket thermal insulation											
1416-304		Revise assembly models/drawings	5		01JUN07A	07JUL07A	07JUN07		100	9,343.20	9,343.20
1416-305		Review and approve insulation concept	5		08JUN07A	14JUN07A	14JUN07		100	6,413.90	6,413.90
1416-3198		Report Results & Issue Dwgs	0*		02JUL07A	31JUL07A	28JUN07		100	7,622.64	7,622.64
Top level assy models/drawings											
1416-503		Complete models/drawings station 3 Assy	164*		01JUL07A	29FEB08	21NOV07	268	40	7,653.11	19,132.77
1416-504		Complete models/drawings of protective covers	80		01JUL07A	28SEP07A	21NOV07		100	18,686.40	18,686.40
1416-507		Update, review and approve coil asm spec	21		02JUL07A	31JUL07A	28NOV07		100	12,457.60	12,457.60
1416-508		Complete drawing rev to leads, terminal asm (ECN	168*		01MAY07A	30NOV07A	30MAY07		100	12,597.05	12,597.05
1416-506	3	Check and promote top-level models/drawings	125*		01JUL07A	07JAN08A	21NOV07		100	12,697.27	12,697.27
1416-509		MC Assy FDR	0			26JUL07A			100	0.00	0.00
Analysis and closeout documentation											
1416-601	3	Prepare EM and structural analysis of leads	86*		02JAN08A	30APR08	06NOV07	1,105	10	11,010.67	110,106.72
1416-602		Design memo KF structural analysis	164*		01JUN07A	30NOV07A	27NOV07		100	15,145.44	15,145.44
1416-603		Update, review and approve FMECA	78*		01NOV07A	29FEB08	06DEC07	1,003	95	9,220.32	9,705.60
1416-604		Finalize draft documents - materials, eddy curre	5		03MAR08	07MAR08	13DEC07	1,003		0.00	6,470.40
1416-605	3	Prepare Type-ABC closeout Documentation	38*		10MAR08	30APR08	14JAN08	1,003		0.00	11,646.72
1416-606		Resolve documentations comments	64*		01MAY08	31JUL08	04FEB08	1,003		0.00	0.00
Type C Design Closeout											
1403-47C		Perform cool-down/warmup analysis	26		21APR09*	27MAY09	05NOV07	60		0.00	7,648.40
Job: 1408 - MC Winding Supplies-CHRZANOWSKI											
1408-1		Procure Batt insulation	0*		01JUN07A	29JUN07A	31MAY07		100	10,208.00	10,208.00
1408-2		Epoxy (existing order)	187*		23MAY07A	25FEB08	25FEB08	92	LOE	52,873.76	58,166.95
1408-3		Misc and safety supplies ($7k/mo.)	188*		23MAY07A	26FEB08	26FEB08	150	LOE	73,620.76	81,438.89
1408-4		Procure & Deliver Thermocouples PE007557	65*		01AUG07A	17OCT07A	11SEP07		100	66,745.31	66,745.31
1408-4.0		Procure & Deliver Strain Gages	1		01FEB08*	01FEB08		40		0.00	0.00
1408-4.1		Issue req for Strain Gages	65		04FEB08*	02MAY08	11MAR08	40		0.00	49,704.00
1408-5		Epoxy/glass for mold shell	170*		23MAY07A	31OCT07A	23JAN08		LOE	16,672.67	16,672.67
1408-6		VPI clean manifold contract	210*		23MAY07A	27MAR08	27MAR08	95	LOE	10,483.72	12,942.86
1408-7		Misc tech shop support	250*		23MAY07A	22MAY08	22MAY08	88	LOE	34,086.78	50,127.62



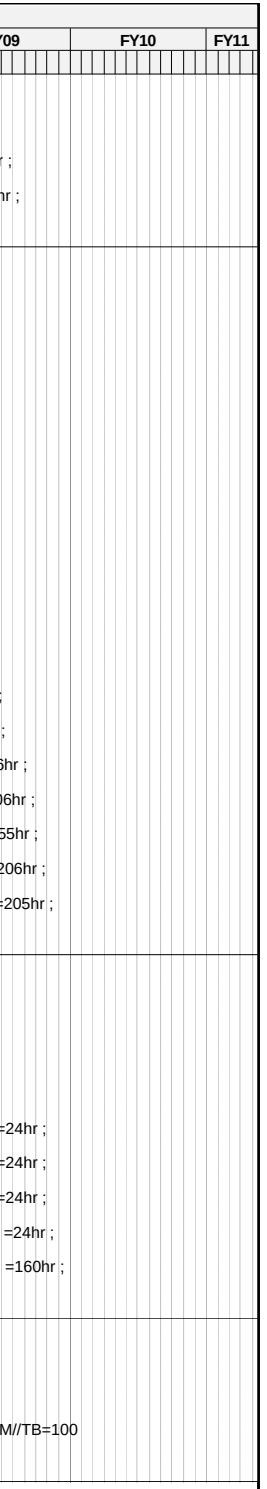
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
1408-8		Cutting hardware for flange bolts	250*		23MAY07A	22MAY08	22MAY08	1,089	LOE	2,644.82	3,889.44
Job: 1411 - MCWF Fabr. S005242-HEITZENROEDER											
99.09W		Retroactive mhx exclusion adjustment	213		01JUL07A	31JUL07A	31AUG07A		100	-90,000.00	-90,000.00
MCWF-001		EIO Contract Acrrued/cost to date =$9,216,000k	213*		02OCT06A	30APR07A	30APR07A		100	0.00	0.00
MCWF-002		EIO Contract TOTAL EAC =$9,218,637k	213*		30APR07A	30APR07A	30APR07A		100	0.00	0.00
MCWF-003		Contract closeout final cost increment	20		06JUN07A	06JUN07A			100	2,640.00	2,640.00
MCWF-571		B6-MTM - machining/inspection	230*		06JUN06A	06JUN07A	06JUN07		100	0.00	0.00
MCWF-581		B6-Receive at PPPL	0			07JUN07A	07JUN07		100	0.00	0.00
MCWF-004		PPPL Overisght	28		01MAY07A	07JUN07A	08JUN07		100	6,969.20	6,969.20
MCWF-301		C6-MTM - machining/inspection	313*		03APR06A	08MAY07A	08MAY07		100	0.00	0.00
MCWF-311		C6-Receive at PPPL	0			09MAY07A	09MAY07		100	0.00	0.00
Job: 1451 - Mod Coil Winding-CHRZANOWSKI											
Station 1a/4 Casting Prep											
P1-061		Receive A5, Prep& Instl Cladding	51*	2*	19APR07A	22MAY07A	22MAY07		100	47,982.05	47,982.05
P2-031		Receive C6, Prep& Instl Cladding	44	1.5	02JUL07A	24SEP07A	26FEB08		100	47,906.90	47,906.90
P3-061		Receive B5, Prep& Instl Cladding	40	1.5	25JUN07A	10SEP07A	21AUG07		100	47,906.90	47,906.90
P1-151		Receive A6, Prep& Instl Cladding	68*	1.5	01NOV07A	15FEB08	25OCT07	-4	15	7,660.49	51,069.88
P3-151		Receive B6, Prep& Instl Cladding	62*	1.5	01SEP07A	30NOV07A	03APR08		100	50,100.58	50,100.58
Station 2-Winding, Instl Chill Plates,Tubing,Bag											
P2-161		Wind coil B4	54*	2	16APR07A	12JUN07A	12JUN07		100	124,549.74	124,549.74
P2-170		Instl Chill Plates,Tubing,Bag B4	31*	1	13JUN07A	26JUL07A	13JUL07		100	61,861.52	61,861.52
P3-071		Wind coil B5	72*	1	11SEP07A	20DEC07A	10DEC07		100	131,151.95	131,151.95
P3-080		Instl Chill Plates,Tubing,Bag B5	40	1	20DEC07A	27MAR08	18JAN08	47	86	56,713.69	65,946.16
P3-161		Wind coil B6	78*	1	01NOV07A	29FEB08	28MAY08	48	83	110,202.04	132,773.54
P3-170		Instl Chill Plates,Tubing,Bag B6	40	1	03MAR08	25APR08	27JUN08	48		0.00	65,946.16
Station 3-Winding, Instl Chill Plates,Tubing,Bag											
P2-080		Instl Chill Plates,Tubing,Bag B3	64*	2	01APR07A	09MAY07A	09MAY07		100	61,861.52	61,861.52
P2-131		Wind coil A5	53*	1	23MAY07A	31JUL07A	07AUG07		100	124,549.74	124,549.74
P2-140		Instl Chl Plates,Tubing, Bag A5	26	1	30JUL07A	06SEP07A	09OCT07		100	61,861.52	61,861.52
P2-041		Wind coil C6	63*	1	24SEP07A	14DEC07A	18APR08		100	132,068.26	132,068.26
P2-050		Instl Chl Plates,Tubing, Bag C6	43	1	17DEC07A	15FEB08A	20MAY08		100	65,946.16	65,946.16
P1-161		Wind coil A6	72	1	18FEB08	28MAR08	20DEC07	-4		0.00	132,773.54
P1-170		Instl Chill Plates,Tubing,Bag A6	43	1	31MAR08	29MAY08	30JAN08	-4		0.00	65,946.16
Station 5-VPI											
P2-081V		VPI (Station 5) B3	11	2	10MAY07A	24MAY07A	24MAY07		100	44,840.62	44,840.62



Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
P3-081V		VPI (Station 5) B4	21	2	02JUL07A	31JUL07A	30JUL07		100	44,840.62	44,840.62
P1-081V		VPI (Station 5) A5	11	2	07SEP07A	21SEP07A	24OCT07		100	44,840.62	44,840.62
P2-051V		VPI (Station 5) C6	10*	2	18FEB08A	29FEB08	05JUN08	66	26	12,428.35	47,801.36
P2-171V		VPI (Station 5) B5	13	2	28MAR08*	15APR08	04FEB08	47		0.00	47,801.36
P1-171V		VPI (Station 5) A6	11	2	30MAY08	13JUN08	15FEB08	-4		0.00	47,801.36
P3-171V		VPI (Station 5) B6	11	2	16JUN08	30JUN08	15JUL08	14		0.00	47,801.36
P3-171VM	2	COMPLETE VPI OF 18th MOD COIL	0	2		30JUN08	15JUL08	14		0.00	0.00
Station 1 Post VPI											
P3-141C		Final Clamps & Warm Test (Station1) A4	18*	1	25JUN07A	19JUL07A	26JUL07		100	24,415.54	24,415.54
P2-081C		Final Clamps & Warm Test (Station1) B3	12*	1		16AUG07A	16AUG07		100	24,415.54	24,415.54
P3-081C		Final Clamps & Warm Test (Station1) B4	62*	1	04AUG07A	03OCT07A	07SEP07		100	24,530.69	24,530.69
P1-081C		Final Clamps & Warm Test (Station1) A5	33*	1	15OCT07A	30NOV07A	22NOV07		100	26,027.60	26,027.60
P2-051C		Final Clamps & Warm Test (Station1) C6	15	1	03MAR08	21MAR08	26JUN08	98		0.00	26,027.60
P3-171C		Final Clamps & Warm Test (Station1) B5	15	1	16APR08	06MAY08	25FEB08	47		0.00	26,027.60
P1-171C		Final Clamps & Warm Test (Station1) A6	15	1	16JUN08	07JUL08	07MAR08	-4		0.00	26,027.60
P2-171C		Final Clamps & Warm Test (Station1) B6	15	1	01JUL08	22JUL08	05AUG08	14		0.00	26,027.60
LOE Oversight & Supervision											
145XSPRV-1		Winding Engineering oversight and supervision	298*		01MAY07A	31OCT07A	09JUL08		LOE	223,362.54	223,362.54
145XSPRV-2		Winding Engineering oversight and supervision	250*		01MAY07A	30APR08	30APR08	1,105	LOE	113,037.32	151,931.88
145XSPRV-3		Winding Engineering oversight and supervision	337*		01MAY07A	03SEP08	03SEP08	1,018	LOE	97,468.03	176,572.52
145XSPRV-A		Winding Engineering oversight and supervision	169*		01NOV07A	09JUL08		1,057	LOE	103,910.57	308,339.97
Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI											
Punchlist Tech shop/RESA											
PLTS-B2		Grinding -B2	13*	1	18JUN07A	22JUN07A	19JUL07		100	15,706.35	15,706.35
PLTS-A2		Grinding -A2	148*	1	25JUN07A	06MAY08A	10JUL07		100	2,078.40	3,848.88
PLTS-B1		Grinding -B1	42*	1	04SEP07A	05OCT07A	17JUL07		100	3,732.98	3,732.98
PLTS-A1		Grinding -A1	18	1		31AUG07A	12SEP07		100	6,688.35	6,688.35
PLTS-C1		Grinding & Drill Holes -C1	54*	1	14SEP07A	30NOV07A	10OCT07		100	18,983.91	18,983.91
PLTS-C2		Grinding & Drill Holes -C2	106*	1	02JUL07A	30NOV07A	07NOV07		100	18,518.90	18,518.90
PLTS-C3		Grinding & Drill Holes -C3	20	1	01OCT07A	28FEB08	07DEC07	25	56	10,766.78	19,226.40
PLTS-C4		Grinding & Drill Holes -C4	20	1	01OCT07A	27MAR08	15JAN08	25	6	1,153.58	19,226.40
PLTS-A3		Grinding -A3	43*	1	01OCT07A	30NOV07A	22JAN08		100	3,925.39	3,925.39
PLTS-B3		Grinding -B3	43*	1	01OCT07A	30NOV07A	29JAN08		100	3,925.39	3,925.39
PLTS-A4		Grinding -A4	101*	1	01OCT07A	29FEB08	05FEB08	10	96	3,768.37	3,925.39
PLTS-B4		Grinding -B4	5	1	01OCT07A	01APR08	12FEB08	25	50	1,962.70	3,925.39
PLTS-C5		Grinding & Drill Holes -C5	20	1	01OCT07A	29APR08	11MAR08	32	1	192.26	19,226.40



Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
PLTS-A5		Grinding -A5	5	1	01OCT07A	06MAY08	18MAR08	32	7	274.78	3,925.39
PLTS-B5		Grinding -B5	5	1	07MAY08	13MAY08	25MAR08	47		0.00	3,925.39
PLTS-A6		Grinding -A6	5	1	01OCT07A	07JUL08	01APR08	-4	93	3,650.61	3,925.39
PLTS-B6		Grinding -B6	5	1	23JUL08	29JUL08	12AUG08	14		0.00	3,925.39
PLTS-C6		Grinding & Drill Holes -C6	20	1	24MAR08	18APR08	10SEP08	98		0.00	19,226.40
Punchlist- Coil Technicians											
PLCT-A1		Insul,measure,TC, other punch list-A1	9	2	01AUG07A	30NOV07A	10OCT07		100	19,803.09	19,803.09
PLCT-A2		Insul,measure,TC, other punch list-A2	7	2	01AUG07A	30NOV07A	18SEP07		100	15,997.79	15,997.79
PLCT-B1		Insul,measure,TC, other punch list-B1	7	2	01AUG07A	30NOV07A	27SEP07		100	15,997.79	15,997.79
PLCT-C1		Insul,measure,TC, other punch list-C1	18	1	01AUG07A	30NOV07A	05NOV07		100	20,113.73	20,113.73
PLCT-B2		Insul,measure,TC other punch list-B2	7	2	04SEP07A	07FEB08	23AUG07	-103	87	14,194.91	16,315.99
PLCT-C2		Insul,measure,TC, other punch list-C2	9	2	03JUL07A	21DEC07A	20NOV07		100	19,774.57	19,774.57
PLCT-A3		Insul,measure,TC, other punch list-A3	17	1	05JUL07A	22FEB08	05MAR08	15	85	16,002.77	18,826.79
PLCT-A4		Insul,measure,TC, other punch list-A4	17	1	06JUL07A	20MAR08	17APR08	10	37	6,971.09	18,840.79
PLCT-B3		Insul,measure,TC, other punch list-B3	14	1	01OCT07A	04APR08	25MAR08	10	87	14,357.31	16,502.66
PLCT-C3		Insul,measure,TC, other punch list-C3	18	1	01OCT07A	22APR08	11JAN08	10	49	10,166.76	20,748.49
PLCT-B4		Insul,measure,TC, other punch list-B4	14	1	01OCT07A	06MAY08	07MAY08	10	91	15,017.42	16,502.66
PLCT-C4		Insul,measure,TC, other punch list-C4	14	1	25JUL07A	19MAY08	11FEB08	23	52	11,251.38	21,637.26
PLCT-A5		Insul,measure,TC, other punch list-A5	14	1	30JUL07A	28MAY08	23JUN08	23	17	2,746.66	16,156.83
PLCT-A6		Insul,measure,TC,SG other punch list-A6	14	1	01OCT07A	25JUL08	01AUG08	-4	17	2,805.45	16,502.66
PLCT-B5		Insul,measure,TC, other punch list-B5	14	1	01OCT07A	14AUG08	14JUL08	-4	17	2,805.45	16,502.66
PLCT-C5		Insul,measure,TC, other punch list-C5	18	1	01OCT07A	22AUG08	03JUN08	-4	79	16,138.16	20,428.05
PLCT-B6		Insul,measure,TC,SG other punch list-B6	14	1	01OCT07A	12SEP08	02SEP08	-4	17	2,805.45	16,502.66
PLCT-C6		Insul,measure,TC,SG other punch list-C6	14	1	01OCT07A	02OCT08	30SEP08	-4	17	2,793.58	16,432.80
PLCT-C6M	2	COMPLETE MODULAR COIL FABRICATION	0	1		02OCT08	30SEP08	-4		0.00	0.00
Job: 1421 - Mod Coil Interface Design-WILLIAMSON											
Outboard Interface-Bolted Joint Tests-Tension											
1421-3067		Procure 2 studs f/joint test.Use existing part	11*		01AUG07A	15AUG07A	26JUL07		100	6,089.76	6,089.76
1421-3075		Setup test fixture &perform JHA & pre-job brief	2		01OCT07A	31OCT07A	30JUL07		100	2,568.08	2,568.08
1421-3077		Meas joint deflect vs preload & loss of preload	2		03OCT07A	30NOV07A	02AUG07		100	5,781.60	5,781.60
1421-3079		Measure joint deflec & preload v. temp @80K	2		01NOV07A	30NOV07A	07AUG07		100	5,781.60	5,781.60
1421-3084		Measure joint deflection&preload v. cooldown cyc	5*		01NOV07A	30NOV07A	10AUG07		100	5,781.60	5,781.60
1421-3087		Perform pullout tests for tapped holes	15*		03DEC07A	21DEC07A	15AUG07		100	5,781.60	5,781.60
1421-3081		Meas joint deflect & preload v. time (days) at	2		01NOV07A	30NOV07A	13SEP07		100	38,544.00	38,544.00
1421-3090		Document&conduct review of test results	78*		01NOV07A	29FEB08	20SEP07	1,023	50	3,215.80	6,431.60
Outboard Interface-Bolted Joint Tests-Shear											
1421-3112B		Procure/fab parts for test&initial assembly	44		02JUL07A	31OCT07A	25JUL07		100	18,985.04	18,985.04
1421-3115B		Assemble & test	91*		15OCT07A	29FEB08A	10SEP07		70	41,841.94	59,774.20
1421-3119B		Document test results	21*		01FEB08A	29FEB08	01OCT07	1,147	50	0.00	0.00



Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
1421-3999		Peer Review of Test Result	0			03MAR08		1,147		0.00	0.00
Inboard Interface-AB/BC/AA											
IH1-001		Coil to coil scoping analysis	40*		01JUN07A	27JUL07A	27JUL07		100	116,974.40	116,974.40
1421-3125		Determine geometry&location of high COF shims&pl	66*		01MAY07A	31JUL07A	26JUN07		100	12,457.60	12,457.60
1421-3127		Structural analyses to performance rqmts for bol	23*		02JUL07A	31JUL07A	25JUL07		100	37,372.80	37,372.80
1421-3131		10PDR prep for requirements, design,&development	5		02JUL07A	31JUL07A	01AUG07		100	6,228.80	6,228.80
1421-3132		Review requirements - PDR	0			02AUG07A	01AUG07		100	0.00	0.00
INTRF-049		prep winding form mods f/weld clamp boltsDELETED	0		03DEC07A	21DEC07A	22AUG07		100	0.00	0.00
INTRF-050		Complete Shim fabrication drawings (ORNL)	86		02JUL07A	27NOV07A	22AUG07		100	37,935.75	37,935.75
INTRF-051		Release info for procurement of shim material	21*		02JUL07A	31JUL07A	31JUL07		100	3,737.28	3,737.28
1421-3134		Issue interface dwgs for comment	52*		01MAY07A	13JUL07A	15AUG07		100	46,716.00	46,716.00
INTRF-040		ANalysis of tensile loads (ORNL)	129*		01MAY07A	31OCT07A	15AUG07		100	50,175.01	50,175.01
INTRF-064		PDR	0			18OCT07A			100	0.00	0.00
INTRF-054		FDR prep AB/BC/AA inboard Interface	34*		19OCT07A	27NOV07A	04SEP07		100	12,863.20	12,863.20
INTRF-055	2	AB/BC/AA inboard interface - FDR	0			27NOV07A	04SEP07		100	0.00	0.00
1421-3138		Resolve issues, release assembly spec&drawings	58*		03DEC07A	29FEB08	11SEP07	-48	90	34,940.16	38,822.40
Inboard Interface-CC											
IH1-000		ESTABLISH CONCEPT	25*		02JUL07A	31JUL07A	23JUL07		100	118,347.20	118,347.20
IH1-0000		PEER REVIEW OF JOINT CONCEPT	1*			07AUG07A	02AUG07		100	0.00	0.00
1421-3143		Add bolt holes to C winding form dwg CC interfac	11			22AUG07A	17AUG07		100	21,800.80	21,800.80
1421-3143X		Release dwg for add'l holes in C coil	0			22AUG07A	17AUG07		100	0.00	0.00
1421-3145		Bolt reach & access study (mockup)	6		01OCT07A	08OCT07A	08OCT07		100	32,352.00	32,352.00
1421-3146		Tooling development for C-C bolt access*NEW TASK	48		01OCT07A	31OCT07A			100	48,528.00	48,528.00
1421-3140		50Prep C-C shim drawings and release	80*		01OCT07A	31JAN08A	26OCT07		100	58,233.60	58,233.60
1421-3142		FDR Prep for C-C joint	22*		02JAN08A	31JAN08A	07JAN08		100	0.00	0.00
1421-3144	3	Mod Coil C-C Joint - FDR	0	R		31JAN08	07JAN08	453		0.00	0.00
Weld Access test											
INTRF-025		ORNL build plywood mockup of flange	20		02JUL07A	30JUL07A	11JUN07		100	51,800.80	51,800.80
INTRF-030		ORNL verify weld access	7		02JUL07A	31JUL07A	20JUN07		100	45,228.80	45,228.80
INTRF-010		Develop Weld Geometry Procedure	5		02JUL07A	31JUL07A	27JUN07		100	6,969.20	6,969.20
Outboard Interface											
IH4-020		Prepare outboard shim dwgs and release	45		01MAY07A	25JUN07A	03JUL07		100	9,343.20	9,343.20
INTRF-045	3	FDR prep outboard shims	10		25JUN07A	29JUN07A	18JUL07		100	6,228.80	6,228.80
INTRF-046		Outboard shims - FDR	0	R		29JUN07A	18JUL07		100	0.00	0.00
INTRF-047		Resolve chit's and issue outboard shim drawings	27*			07SEP07A	26JUL07		100	9,343.20	9,343.20
INTRF-048		FDR Bolted Joint	0			31JUL07A			100	0.00	0.00
INTRF-100		Misc travel, meetings,reporting,job 1416&1421	207*		01MAY07A	29FEB08	29FEB08	1,148	LOE	209,550.42	233,092.79

FY08 FY09 FY10 FY11

DELETED hours moved to new task 1421-3146

ornlem=240

em//em=80

NOVEMBER 2007

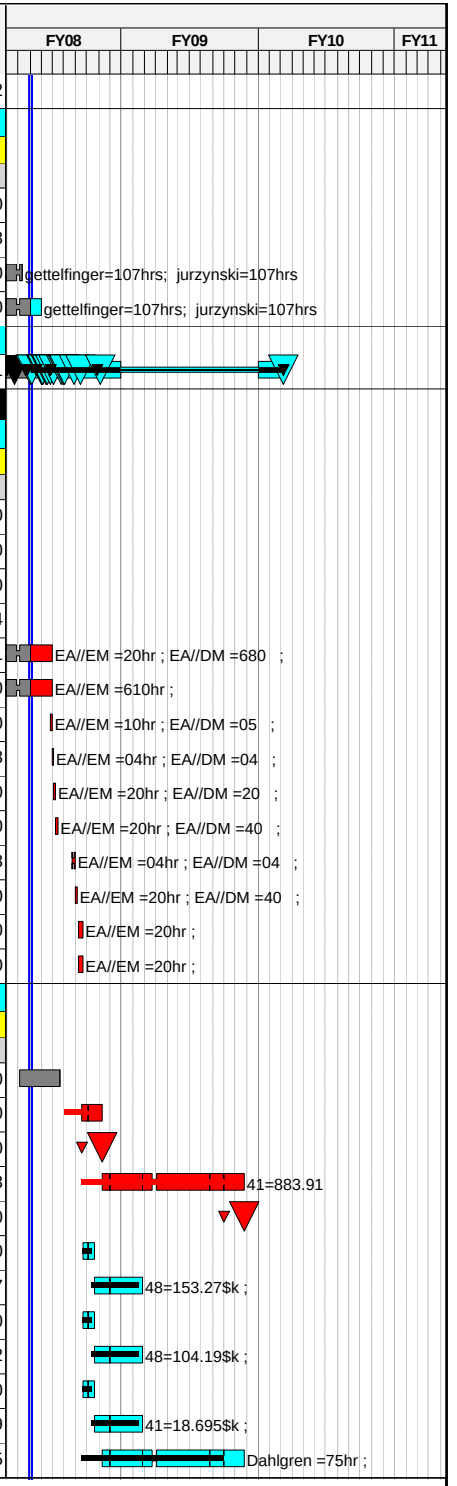
ORNLEM =240hr ;

ORNLEM =360hr ;

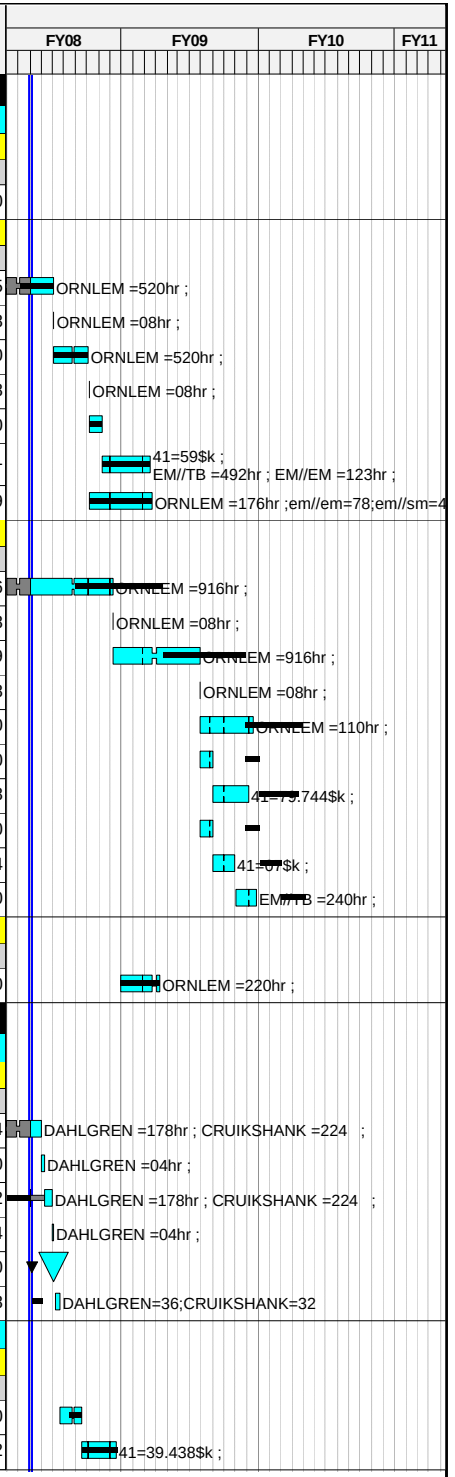
ORNLEM =40hr ;

35=3k; ornl35=9k ornlem=1240;em//em=150

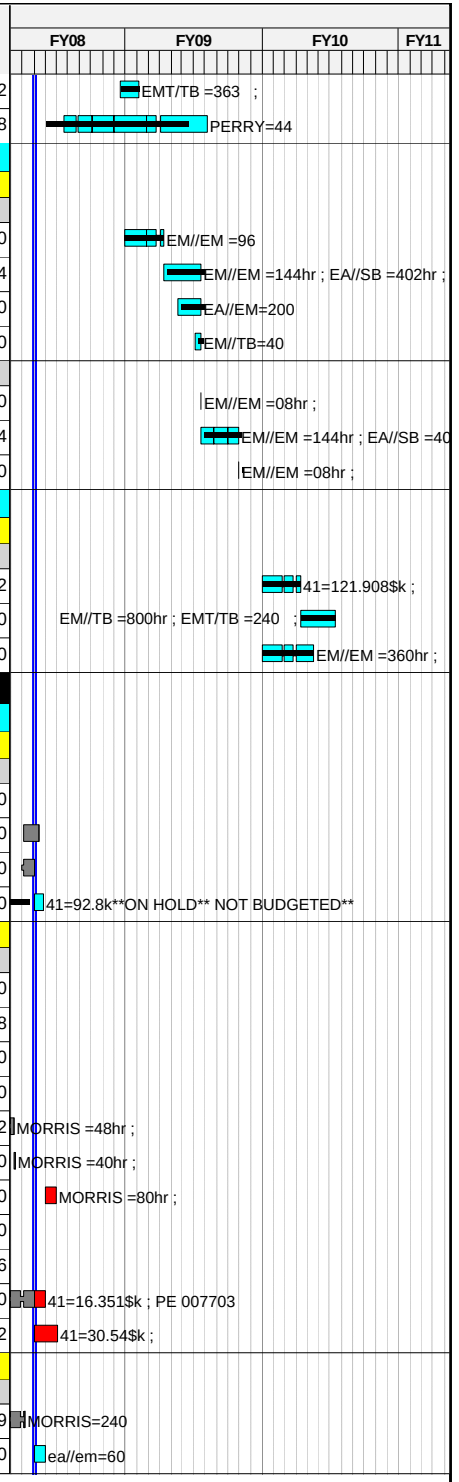
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
REBASE1421		Re-baseline exercise	0*		01JUN07A	29JUN07A	15JUN07		100	39,864.32	39,864.32
Job: 1429 - MC Interface R&D-DUDEK											
Outboard Interface-Friction											
1429-3026		COF cyclic testing	0*		01MAY07A	18MAY07A	18MAY07		100	29,970.00	29,970.00
1429-3027		Friction Life Test	32		02JUL07A	31JUL07A	15AUG07		100	29,397.18	29,397.18
1429-3028		Edge loading&Superbolt torque tests 1&2	65*		01OCT07A	10JAN08A	16AUG07		100	31,340.30	31,340.30
1429-3029		Bolt Tests 3&4 Write Report (see 1421-3067to3090	143*		01AUG07A	29FEB08	24AUG07	1,148	10	3,076.96	30,769.60
+ Job: 1431 - Mod. Coil Interface Hardware-DUDEK											
			650		01MAY07A	04DEC09	04DEC09	705		788,176.41	1,056,115.71
15 - Coil Structures											
Job: 1501 - Coil Structures Design-DAHLGREN											
1501-521		Complete Preliminary Stress analysis	34*		04JUN07A	20JUL07A	18JUN07		100	12,196.10	12,196.10
1501-522		Prelim CAD models & Dwgs	30		04JUN07A	16JUL07A	16JUL07		100	27,876.80	27,876.80
1501-525		PDR Prep	3		02JUL07A	20JUL07A	19JUL07		100	3,484.60	3,484.60
1501-525P	3	Coils Support Structure - PDR	1		20JUL07A	20JUL07A	20JUL07		100	1,393.84	1,393.84
1501-533		Detail CAD Drawings,BOM	206*		01JUN07A	31MAR08	17SEP07	-5	10	12,674.09	126,740.91
1501-533F		Integrated Stress Analysis	122*		01OCT07A	31MAR08	17SEP07	-5	80	90,650.88	113,313.60
1501-537		FDR Prep	5		25MAR08	31MAR08	20SEP07	-5		0.00	2,786.40
1501-541	3	Coil Support Structures - FDR	1		01APR08	01APR08	21SEP07	-5		0.00	1,486.08
1501-545		Resolve Chits	5		02APR08	08APR08	19OCT07	-5		0.00	7,430.40
1501-549		Update C.S.Support Design	6		09APR08	16APR08	05OCT07	-5		0.00	11,145.60
1501-550		Peer review C.S.Design	5		23MAY08	30MAY08	10OCT07	-5		0.00	1,486.08
1501-554		Resolve CS peer review Chits	5		02JUN08	06JUN08	12OCT07	-5		0.00	11,145.60
1501-558		Prepare requisition for Coil Structure & CSS h/w	10		09JUN08	20JUN08	02NOV07	-5		0.00	3,715.20
1501-562		Prepare Specs for Coil Structure & CSS h/w	10		09JUN08	20JUN08	26OCT07	-5		0.00	3,715.20
Job: 1550 - Coil Struct. Procurement -DAHLGREN											
1501-244		Procure Spherical Bearings	79*		02JAN08A	21APR08A			100	19,620.00	19,620.00
1501-245		Prep Spec,Solicit Bids, and Evaluate Bids	40		16JUN08	11AUG08	16JUN08	-5	10	0.00	0.00
162-036.9	2	Award Coil Support Structure	0			11AUG08*	16JUN08*	-5		0.00	0.00
162-037		Fabricate TF/MCWF mounting Components	260		12AUG08	26AUG09	01JUL09	-5		0.00	1,223,096.63
162-037M	2	Fabricate TF/MCWF mounting Components	0			26AUG09	01JUL09	-5		0.00	0.00
162-050		Prep req, bid and award G11/Teflon parts	20		23JUN08*	21JUL08	14JUL08	43		0.00	0.00
162-051		Deliver G11/Teflon parts	90		22JUL08	25NOV08	18NOV08	43		0.00	158,872.87
162-052		Prep req, bid and award Inconnel hardware	20		23JUN08*	21JUL08	14JUL08	43		0.00	0.00
162-053		Deliver Inconnel hardware	90		22JUL08	25NOV08	18NOV08	43		0.00	107,998.72
162-055		Prep req, bid and award Belleville Washers	20		23JUN08*	21JUL08	14JUL08	43		0.00	0.00
162-057		Deliver Belleville Washers	90		22JUL08	25NOV08	18NOV08	43		0.00	25,199.29
162-031		Title III engr WBS 151	260		12AUG08*	26AUG09	01JUL09	774	LOE	0.00	12,364.95



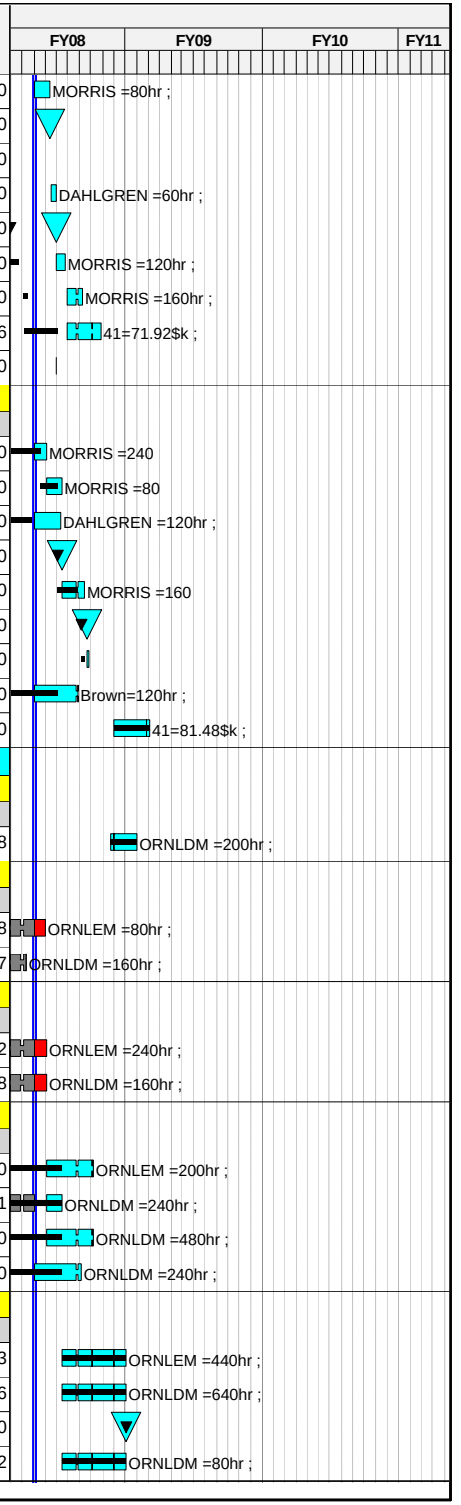
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
16 - Coil Services											
Job: 1601 - Coil Services Design-GORANSON											
FY07 Rebaseline Exercise											
ECP53RBX08		FY07 Rebaseline exercise	0*		01JUN07A	29JUN07A	31MAY07		LOE	6,228.80	6,228.80
161 - LN2 Distribution											
191-001		Title I design WBS 161 LN2 manifolds&piping	142*		02SEP07A	01APR08	01APR08	78	25	20,923.74	83,694.95
191-002	3	LN2 manifolds&piping- PDR	1	R	02APR08	02APR08	02APR08	78		0.00	1,294.08
191-011		Title II design WBS 161 LN2 manifolds&piping	65		03APR08	03JUL08	03JUL08	78		0.00	84,115.20
191-012		LN2 manifolds&piping - FDR	1	R	07JUL08	07JUL08	07JUL08	78		0.00	1,294.08
191-037		Prep Req,Bid,Award-manifolds,hoses,valves etc	25		08JUL08	11AUG08	11AUG08	78		0.00	0.00
191-038		Fab and deliver-manifold assy,hoses,valves etc	90		12AUG08*	18DEC08	18DEC08	78		0.00	140,101.51
191-031		Title III engr WBS 161	118		08JUL08	23DEC08	23DEC08	941	LOE	0.00	27,796.89
162 - Electrical Leads											
132-001		Title I design WBS 162 Coil leads	155		03DEC07A	09SEP08	19JAN09	134	20	29,634.43	148,172.16
132-002		Electrical Coil leads - PDR	1	R	10SEP08	10SEP08	20JAN09	134		0.00	1,294.08
132-011		Title II design WBS 162 Coil leads	155		11SEP08	28APR09	27AUG09	235		0.00	157,879.69
132-012		Electrical Coil leads - FDR	1	R	29APR09	29APR09	28AUG09	235		0.00	1,387.28
132-015		Title III design WBS 162 Coil leads	99		30APR09	18SEP09	29JAN10	307	LOE	0.00	19,075.10
132-037		Prep Req,Bid,Award Lead hardware and cables	25		30APR09	04JUN09	05OCT09	235		0.00	0.00
132-038		Deliver Lead hardware and cables	65		05JUN09	04SEP09	18JAN10	235		0.00	111,396.78
132-047		Prep Req,Bid,Award Material for transition box	25		30APR09	04JUN09	05OCT09	301		0.00	0.00
132-048		Deliver Material for Transition Boxes	40		05JUN09	31JUL09	02DEC09	301		0.00	9,667.24
132-049		Assemble Transition boxes (6)	40		03AUG09	28SEP09	08FEB10	301		0.00	19,790.40
163 - Coil Protection System											
163.001		Design Coil protection(input to WBS 4 & 5)	65		01OCT08*	12JAN09	12JAN09	80		0.00	38,150.20
17 - Cryostat and Base Support Structure											
Job: 1702 - Base Support Struct Design-DAHLGREN											
1702-510		Base support structure prel. design & analysis	120*		03SEP07A	29FEB08	23NOV07	16	85	59,153.31	73,941.64
1702-515	3	Base support - PDR	5*	R	03MAR08	07MAR08	26NOV07	16		0.00	0.00
1702-520		Final design. Assy dwgs, fab dwgs, BOMs,specs/SO	42*		31JAN08A	28MAR08	01FEB08	16	50	37,337.76	74,675.52
1702-525		Base Support Structure - FDR	5	R	31MAR08	04APR08	04FEB08	16		0.00	743.04
1702-525M	2	Base Support Structure FDR	0			04APR08	04FEB08	16		0.00	0.00
1702-530		Resolve chits, issue dwgs for fab,Issue requisit	10		07APR08	18APR08	03MAR08	16		0.00	12,631.68
Job: 1752 - Base Support Proc-DAHLGREN											
172 - Base Support Structure											
161-036.8	3	Bid and award base support materials	40		21APR08	16JUN08	19JUN08	16		0.00	0.00
161-036.9	3	Deliver base support materials	65		17JUN08	17SEP08	22SEP08	16		0.00	51,587.52



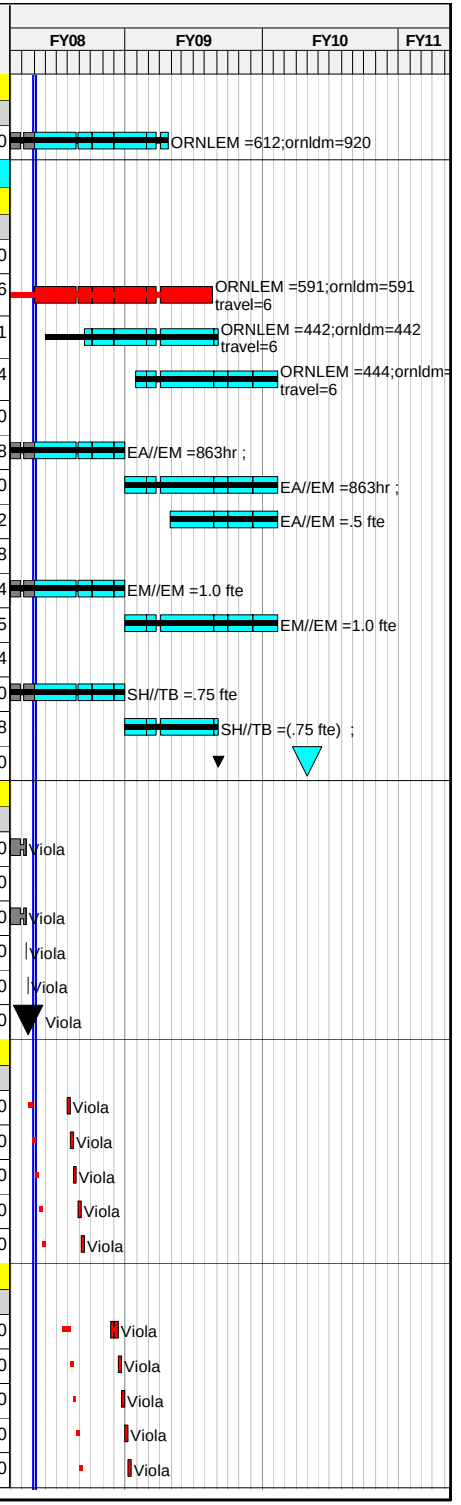
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
161-037		PPPL assemble structure	35		18SEP08*	05NOV08	10NOV08	16		0.00	29,713.62
161-038		Title III	261		21APR08*	06MAY09	19MAR09	852	LOE	0.00	7,191.48
Job: 1701 - Cryostat Design-RAFTOPOLOUS											
X											
1701-100		Cryostat- Conceptual Design	65		01OCT08*	12JAN09	12JAN09	55		0.00	15,888.00
1701-101		Cryostat- Preliminary Design	70		13JAN09	20APR09	28APR09	55		0.00	73,446.84
1701-102		Cryostat- Stress analysis	43		19FEB09*	20APR09	28APR09	55		0.00	38,242.00
1701-103		Cryostat- Joint R&D	10		07APR09*	20APR09	28APR09	55		0.00	3,298.40
1701-121		Cryostat- PDR	1	R	21APR09	21APR09	29APR09	55		0.00	1,324.00
1701-131		Cryostat- Final Design	70		22APR09	30JUL09	07AUG09	55		0.00	73,446.84
1701-141		Cryostat- FDR	1	R	31JUL09	31JUL09	10AUG09	55		0.00	1,324.00
Job: 1751 - Cryostat Procurement-RAFTOPOLOUS											
1751-151		Cryostat- Procure Materials and Supplies	65		01OCT09*	13JAN10	13JAN10	122		0.00	174,575.12
1751-161		Cryostat- Fabricate Components	65		14JAN10	14APR10	14APR10	122		0.00	88,670.40
1751-171		Cryostat- Title III	90		01OCT09	17FEB10	17FEB10	660	LOE	0.00	61,606.80
18 - Field Period Assembly											
Job: 1803/1805- FPA Tooling/Constr-BROWN/DUDEK											
Station 2-Modular Coil Sub- Assembly											
1803-2.1		Assembly sequence plan drafted	28		01MAY07A	08JUN07A	08JUN07		100	0.00	0.00
1803-2.1A		Design 3 pack lift beam	30		02JAN08A	12FEB08A			100	0.00	0.00
1803-2.1B		Fabricate 3 pack lift beam	65		01JAN08A	31JAN08A			100	0.00	0.00
1803-2.2		Procure 2 20degree wedge fixt (for total of 6)	17*		01FEB08*	25FEB08	18JAN08	37		0.00	0.00
Station 3-Modular Coil to VVSA Assembly											
1803-3.2		Finalize drawings for internal review and outsid	3		25JUN07A	27JUN07A	27JUN07		100	0.00	0.00
1803-3.3		Analyze single point lift	10*		28JUN07A	12JUL07A	12JUL07		100	9,756.88	9,756.88
1803-3.4	3	Stage 3 support FDR	3*		02JUL07A	17JUL07A	13JUL07		100	0.00	0.00
1803-3.5		Flange bolt/VV support access platform	8		02JUL07A	12JUL07A	12JUL07		100	13,495.20	13,495.20
1803-3.6		Revise drawings per FDR input & release for Fab	111*		02JUL07A	07DEC07A	17JUL07		100	5,552.72	5,552.72
1803-3.7		Transportation study (move between test cells)	2		10DEC07A	11DEC07A	19JUL07		100	4,796.40	4,796.40
1803-3.8		Generate laser trace drawing for each screen	20		03MAR08*	28MAR08	10AUG07	-5		0.00	9,592.80
1803-3.9		Assembly sequence plan and Installation procedur	18		01JUN07A	26JUN07A	26JUN07		100	6,969.20	6,969.20
1803-3.10		VV/MC clearance report (for VVSA1, 2 and 3)	0*		27JUL07A	26JUL07A	26JUL07		100	12,544.56	12,544.56
1803-3.11		Deliver Support Cart (PE 007703)	91*		15OCT07A	29FEB08	19NOV07	-72	20	4,277.16	21,385.80
1803-3.12		Deliver Lift Fixture	46*		01FEB08*	04APR08		-68		0.00	39,946.32
Station 5-Final Field Period Assembly											
1803-5.1		Complete FP support models	146*		01JUN07A	07JAN08A	10OCT07		100	27,749.69	27,749.69
1803-5.5		Design followup & prelim analysis	21*		01FEB08*	29FEB08	28AUG07	32		0.00	11,145.60



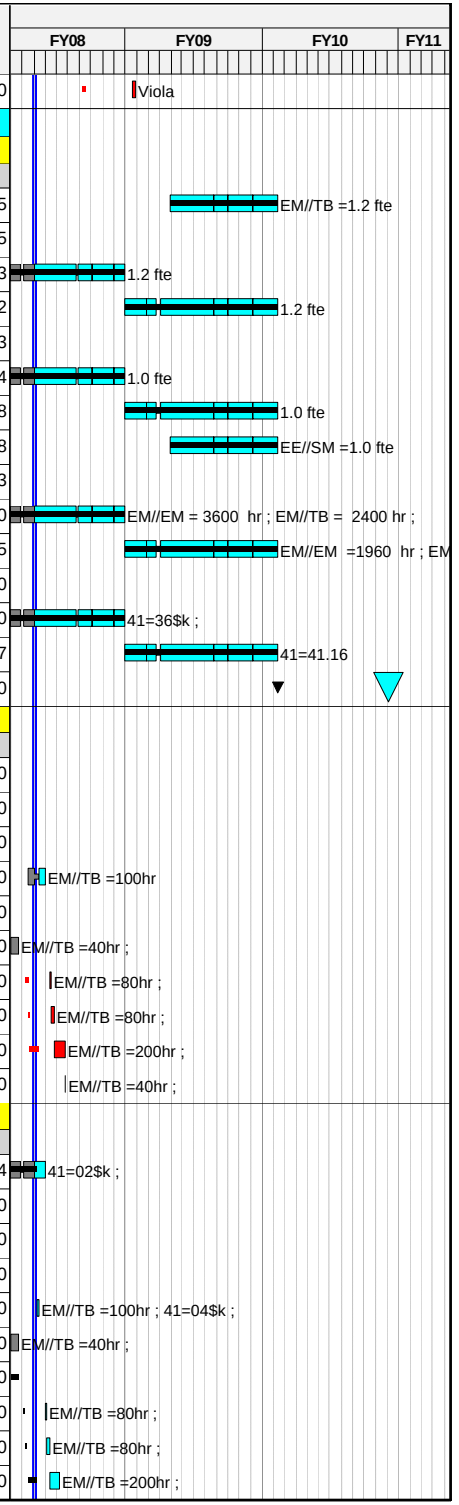
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
1803-5.2		Complete platform models	31*		01FEB08	14MAR08	31OCT07	23		0.00	9,592.80
1803-5.3		Peer Review (was PDR)	0			14MAR08*	07NOV07	23		0.00	0.00
R1802-503		Sequence plan	20		01MAY07A	30MAY07A	30MAY07		100	0.00	0.00
1803-5.4		Structural Analysis	10*		17MAR08*	28MAR08	21NOV07	23		0.00	0.00
1803-5.6	3	Station 5 FDR	0			28MAR08	21NOV07	23		0.00	0.00
1803-5.7		Complete dwg package and release for Fa	20		31MAR08	25APR08	21DEC07	23		0.00	14,389.20
1803-5.8		Complete models and dwgs for test cell metrology	30		28APR08	09JUN08	14JAN08	38		0.00	19,180.80
1803-5.9		Procure materials and fixture (2 stations)	65		28APR08	29JUL08	01APR08	23		0.00	94,071.36
1803-5.14		PDR	1		31MAR08	31MAR08		1,127		0.00	0.00
6.00-Final Machine Assembly											
1803-6.1		Complete Stage 6 support models	25		01FEB08*	06MAR08	19FEB08	57		0.00	28,778.40
1803-6.2		Complete platform models	30		07MAR08	17APR08	01APR08	57		0.00	9,592.80
1803-6.3		Structural Analysis	50		01FEB08*	10APR08	22JAN08	62		0.00	22,291.20
1803-6.4		PDR	0	R		17APR08	01APR08	57		0.00	0.00
1803-6.5		Complete drawing package	40		18APR08	13JUN08	28MAY08	57		0.00	19,185.60
1803-6.6	3	Station 6 FDR	0	R		20JUN08	04JUN08	57		0.00	0.00
1803-6.7		Revise drawings per FDR input and release for Fa	5		23JUN08	27JUN08	11JUN08	57		0.00	0.00
1803-6.9		Design followup and prelim analysis	82		01FEB08*	27MAY08	03APR08	75		0.00	22,291.20
1803-6.8		Procure materials and fixture	65		02SEP08*	03DEC08	03DEC08	13		0.00	111,484.70
Job: 1806 - FP Assembly specs and drawings-COLE											
1.00-VV Prep Station											
1803-609	3	Detail dwgs-spool piece	50		22AUG08	31OCT08	31OCT08	298		0.00	17,008.28
Station 2-Modular Coil Sub- Assembly											
1803-201	3	Station 2 Assembly Specification	164*		01JUL07A	29FEB08	11SEP07	-168	85	10,841.90	12,755.18
1803-205	3	Station 2 Assembly Drawings	142*		11JUN07A	09JAN08A	11SEP07		100	13,280.77	13,280.77
Station 3-Modular Coil to VVSA Assembly											
1803-301		Station 3 Assembly Specification	165*		02JUL07A	03MAR08	16NOV07	-92	30	11,480.68	38,268.92
1803-305		Station 3 Assembly Drawings	165*		02JUL07A	03MAR08	22NOV07	-92	60	7,986.47	13,310.78
Station 5-Final Field Period Assembly											
1803-501		Station 5 Assembly Specification	90		04MAR08*	09JUL08	15APR08	17		0.00	32,352.00
1803-505		Station 5 Assembly Drawings	152*		03SEP07A	15APR08	15APR08	76	40	8,011.80	20,029.51
1803-509		Field period Assy Dwgs	90		04MAR08*	09JUL08	15APR08	17		0.00	40,137.60
1803-611		Detail dwgs ports	90		01FEB08*	06JUN08	15APR08	39		0.00	20,068.80
6.00-Final Machine Assembly											
1803-601		Station 6 Assembly Specification	120		15APR08*	02OCT08	02OCT08	30		0.00	71,259.83
1803-605		Station 6 Assembly Drawings	120		15APR08*	02OCT08	02OCT08	30		0.00	53,549.76
1803-605M	2	Station 6 Specification & Assy Drawings Complete	0			02OCT08	02OCT08	30		0.00	0.00
1803-613		Detail dwgs-man access port	120		15APR08*	02OCT08	02OCT08	30		0.00	6,693.72



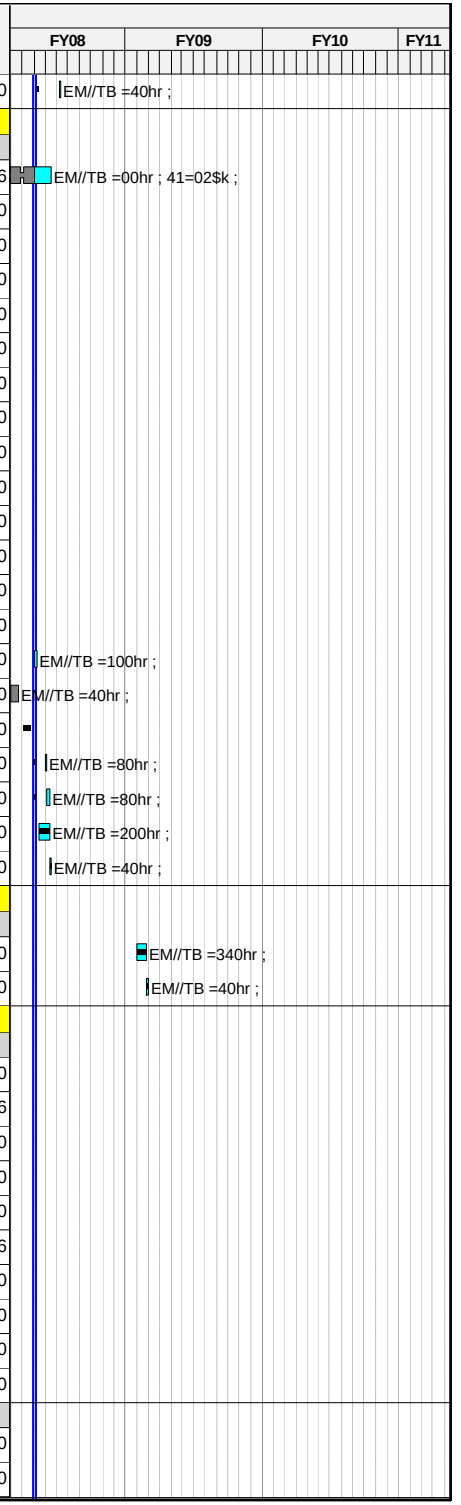
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
1803-010		Models,design reviews, meetings,reporting,	430*		01MAY07A	23JAN09	23JAN09	925	LOE	76,415.19	176,478.50
Job: 1802 - FP Assy Oversight&Support-VIOLA											
Oversight and Supervision											
1802MAY		May cost incr	20		01MAY07A	30MAY07A	29MAY07		LOE	15,000.00	15,000.00
1802ORNL02		ORNL Title III field period assy station 2	326		01FEB08*	19MAY09	19FEB09	-82	LOE	0.00	154,090.46
1802ORNL03		ORNL Title III field period assy station 3	246*		12JUN08*	08JUN09	08JUN09	6	LOE	0.00	118,127.81
1802ORNL05		ORNL Title III field period assy station 5	260*		30OCT08*	13NOV09	13NOV09	34	LOE	0.00	122,171.24
R1802-001		Metrology Engr Super FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	62,722.80	62,722.80
R1802-003		Metrology Engr Super FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	51,299.48	160,310.88
R1802-004		Metrology Engr Super FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	194,695.10
R1802-004S		Metrology Engr Super FY09 (2n shft suprt .5 fte	203*	2	30JAN09*	13NOV09	13NOV09	718	LOE	0.00	134,631.52
R1802-005		FPA Management FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	115,712.78	115,712.78
R1802-007		FPA Management FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	88,807.53	277,523.54
R1802-008		FPA Management FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	322,131.05
R1802-013		HP Coverage in the TFTR TC LOE FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	59,214.54	59,214.54
R1802-015		HP Coverage in the TFTR TC LOE FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	47,954.37	149,857.40
R1802-016		HP Coverage in the TFTR TC LOE FY09	169*		01OCT08*	08JUN09	08JUN09	830	LOE	0.00	104,271.28
R1810-098		Station 3 complete	0			28JAN10	08JUN09	674		0.00	0.00
Station 2 procedures,JHA,ACC,Training,Prep											
R1802-207		Procedures written & approved	66*		01OCT07A	11JAN08A	01OCT07		100	0.00	0.00
R1802-209		50JHA completed	6		01OCT07A	31OCT07A	09OCT07		100	0.00	0.00
R1802-211		Training needs identified & released	66*		01OCT07A	11JAN08A	17OCT07		100	0.00	0.00
R1802-213		ACC review completed	2*		10JAN08A	11JAN08A	19OCT07		100	0.00	0.00
R1802-215		Pre-job brief completed	1		14JAN08A	14JAN08A	22OCT07		100	0.00	0.00
R1802-217		Station 2 operational	0			14JAN08A	23OCT07		100	0.00	0.00
Station 3 procedures,JHA,ACC,Training,Prep											
R1802-307		Procedures written & approved	5		01MAY08	07MAY08	28JAN08	-134		0.00	0.00
R1802-309		JHA completed	6		08MAY08	15MAY08	05FEB08	-134		0.00	0.00
R1802-311		Training needs identified & released	6		16MAY08	23MAY08	13FEB08	-134		0.00	0.00
R1802-313		ACC review completed	6		27MAY08	03JUN08	21FEB08	-134		0.00	0.00
R1802-315		Pre-job brief completed	6		04JUN08	11JUN08	29FEB08	-134		0.00	0.00
Station 5 procedures,JHA,ACC,Training,Prep											
R1802-507		Procedures written & approved	14		25AUG08	12SEP08	05MAY08	-15		0.00	0.00
R1802-509		JHA completed	6		15SEP08	22SEP08	13MAY08	-15		0.00	0.00
R1802-519		Fixtures installed	6		23SEP08	30SEP08	21MAY08	-15		0.00	0.00
R1802-511		Training needs identified & released	6		01OCT08	08OCT08	30MAY08	-15		0.00	0.00
R1802-513		ACC review completed	7		09OCT08	17OCT08	10JUN08	-15		0.00	0.00



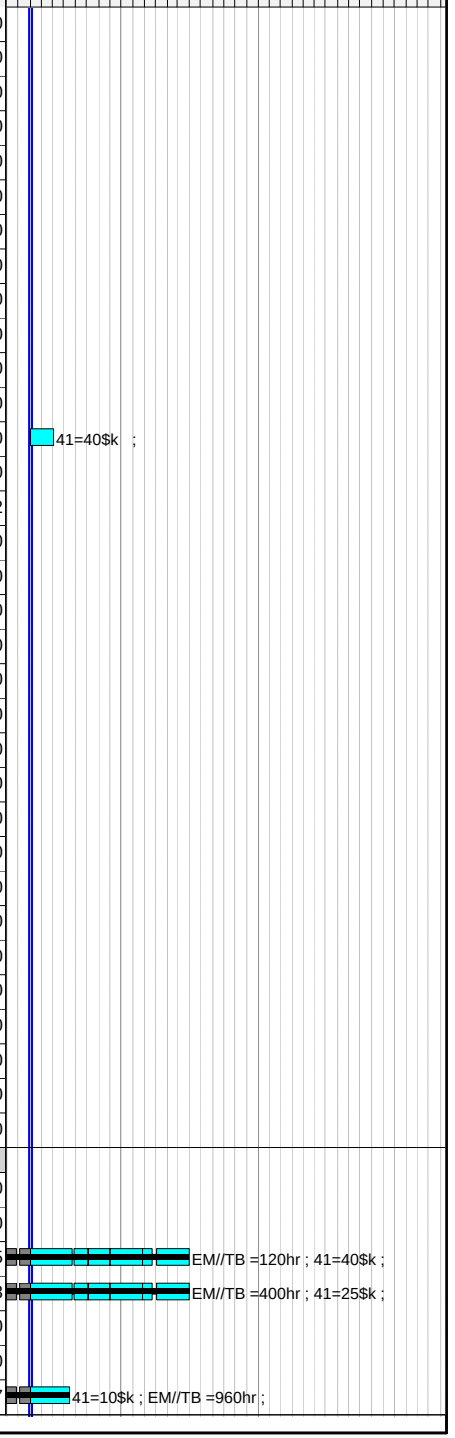
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
R1802-515		Pre-job brief completed	7		20OCT08	28OCT08	19JUN08	-15		0.00	0.00
Job:1810-Field Period Assy -Station 1,2,3 VIOLA											
General Assy Support											
R1801-004S		LOE Crane support, fixt setup (2nd shft 1.2 fte	203*	2	30JAN09*	13NOV09	13NOV09	718	LOE	0.00	139,343.95
R1810-001		LOE Crane support, fixture setupfor FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	64,854.45	64,854.45
R1810-003		LOE Crane support, fixture setupfor FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	53,095.63	165,923.83
R1810-004		LOE Crane support, fixture setupfor FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	192,599.92
R1810-005		LOE Field Supervision for FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	96,036.83	96,036.83
R1810-007		LOE Field Supervision for FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	78,644.84	245,765.14
R1810-008		LOE Field Supervision for FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	285,266.98
R1810-008S		LOE Field Supervision for 2nd shft 1.0 fte	203*	2	30JAN09*	13NOV09	13NOV09	718	LOE	0.00	206,388.38
R1810-009		LOE Metrology sprt FY07 1.5 fte EM & 1.0 fte TB	106*		01MAY07A	28SEP07A	28SEP07		LOE	197,832.33	197,832.33
R1810-011		LOE Metrology sprt FY08 1.5 fte EM & 1.0 fte TB	250*		01OCT07A	30SEP08	30SEP08	999	LOE	246,754.56	771,108.00
R1810-012		LOE Metrology sprt FY09 1.5 fte EM & 1.0 fte TB	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	433,249.15
R1810-013		Misc M&S FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	19,140.00	19,140.00
R1810-015		Misc M&S FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	15,068.16	47,088.00
R1810-016		Misc M&S FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	57,664.57
R1810-099		Station 5 complete	0			03SEP10	13NOV09	520		0.00	0.00
Station 1-VV Prep (hard surface components) FP#1											
R1810-1105		Instl cooling lines & Weld cooling/htg risers	31	1	01MAY07A	13JUN07A	13JUN07		100	49,145.00	49,145.00
R1810-1107		Verify Instl of H/C lines,headers,manifolds	5	1	14JUN07A	20JUN07A	20JUN07		100	7,515.00	7,515.00
R1810-1115		Purchase pump	20	1	02JUL07A	19JUL07A	19JUL07		100	5,104.00	5,104.00
R1810-1108		Perform final acceptance testing (H/C flow test)	33*	1	16JAN08A	29FEB08	26JUL07	197	10	801.10	8,011.00
R1810-1109		Loop termination & verification	32*	1	02JUL07A	15AUG07A	18SEP07		100	27,054.00	27,054.00
R1810-1112		Trim seal plates	2	1	03DEC07A	21DEC07A	02OCT07		100	3,204.40	3,204.40
R1810-1110		Install Final Internal&Ext monuments & meas	4	1	14MAR08	19MAR08	14JAN08	-15		0.00	6,408.80
R1810-1111		Final Scan	4	1	20MAR08	25MAR08	18JAN08	-15		0.00	6,408.80
R1810-1114		Install heater tape on all removable ports	20	1	26MAR08	22APR08	15FEB08	-15		0.00	16,022.00
R1810-1113		Prepare &transfer completed VV to holding area	2	1	23APR08	24APR08	19FEB08	-15		0.00	3,204.40
Station 1- VV Prep (hrd surf cmpntsFP#2											
R1810-1203		Misc Hardware	185*		01JUN07A	29FEB08	08FEB08	1,148	LOE	2,292.03	2,586.94
R1810-1209		Install cooling/htg lines to vac vsl	15	1	01MAY07A	21MAY07A	21MAY07		100	22,545.00	22,545.00
R1810-1211		Weld cooling/htg risers	16	1	22MAY07A	13JUN07A	13JUN07		100	26,600.00	26,600.00
R1810-1213		Verify Instl of H/C lines,headers,manifolds	5	1	14JUN07A	20JUN07A	20JUN07		100	7,515.00	7,515.00
R1810-1208		Perform final acceptance testing (H/C flow test)	5	1	08FEB08	14FEB08	27JUN07	197		0.00	13,243.00
R1810-1212		Trim seal plates	2	1	03DEC07A	21DEC07A	29OCT07		100	3,204.40	3,204.40
R1810-1215		Loop termination & verification	18	1	26JUL07A	28SEP07A	21DEC07		100	27,054.00	27,054.00
R1810-1216		Install Final Internal&Ext monuments & meas	4	1	03MAR08	06MAR08	07JAN08	197		0.00	6,408.80
R1810-1217		Final Scan	4	1	07MAR08	12MAR08	11JAN08	197		0.00	6,408.80
R1810-1214		Install heater tape on all removable ports	20	1	13MAR08	09APR08	08FEB08	197		0.00	16,022.00



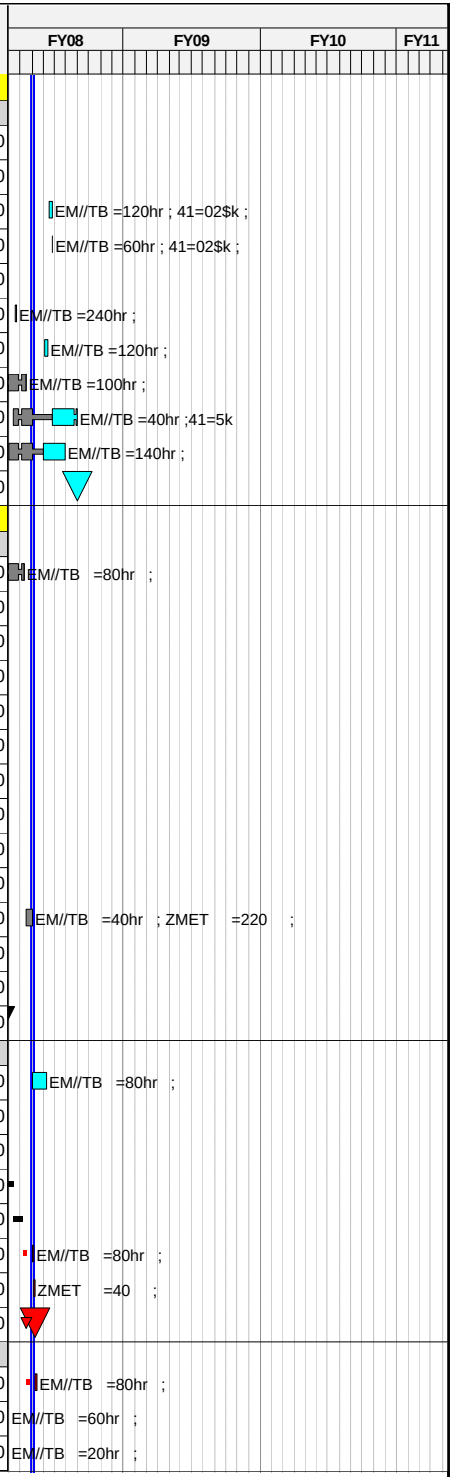
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
R1810-1219		Prepare& transfer completed VV to holding area	2	1	10APR08	11APR08	12FEB08	197		0.00	3,204.40
Station 1- VV Prep (hrd surf cmpntsFP#3											
R1810-1303		Misc Hardware	208*		15MAY07A	17MAR08	28NOV07	1,137	LOE	2,188.15	2,586.46
R1810-1304		Layout diag &coolant paths on vessel	12	1	01MAY07A	16MAY07A	16MAY07		100	18,036.00	18,036.00
R1810-1305		Install heater tape on vertical ports	7	1	17MAY07A	25MAY07A	25MAY07		100	10,521.00	10,521.00
R1810-1307		Verify installation of heater tapes	1	1	01JUN07A	29JUN07A	02JUL07		100	1,503.00	1,503.00
R1810-1309		Attach studs forcoolant lines	3	1	01JUN07A	29JUN07A	06JUL07		100	4,509.00	4,509.00
R1810-1300		Install Templates	3	1	01JUN07A	29JUN07A	27JUN07		100	4,509.00	4,509.00
R1810-1311		Wind magnetic diagnostic sensors	25*	1	25JUN07A	30JUL07A	30JUL07		100	21,042.00	21,042.00
R1810-1313		Install precision magnetic diagnostic sensors	28*	1	25JUN07A	31JUL07A	02AUG07		100	4,509.00	4,509.00
R1810-1315		Verify installation magnetic diagnostic sensors	8	1	30JUL07A	24SEP07A	08AUG07		100	6,012.00	6,012.00
R1810-1317		Install local I&C (incl thermocouples)	5	1		15AUG07A	15AUG07		100	7,515.00	7,515.00
R1810-1319		Verify installation of local I&C	2	1		17AUG07A	17AUG07		100	3,006.00	3,006.00
R1810-1321		10Install cooling/htg lines to vac vsl	37*	1	01AUG07A	21SEP07A	31AUG07		100	22,545.00	22,545.00
R1810-1323		Weld cooling/htg risers	10	1	15OCT07A	26OCT07A	17SEP07		100	25,635.20	25,635.20
R1810-1325		Verify Instl of H/C lines,headers,manifolds	5	1		12SEP07A	24SEP07		100	7,515.00	7,515.00
R1810-1308		Perform final acceptance testing (H/C flow test)	5	1	01FEB08*	07FEB08	01OCT07	197		0.00	8,011.00
R1810-1312		Trim seal plates	2	1	03DEC07A	21DEC07A	31OCT07		100	3,204.40	3,204.40
R1810-1327		Loop termination & verification	18	1		28SEP07A	25JAN08		100	27,054.00	27,054.00
R1810-1328		Install Final Internal&Ext monuments & meas	4	1	03MAR08	06MAR08	31JAN08	288		0.00	6,408.80
R1810-1329	3	Final Scan of VVSA #3 Station 1 complete	4	1	07MAR08	12MAR08	06FEB08	288		0.00	6,408.80
R1810-1314		Install heater tape on all removable ports	20	1	15FEB08*	13MAR08	13MAR08	287		0.00	16,022.00
R1810-1331		Prepare & transfer completed VV to holding area	2	1	14MAR08	17MAR08	17MAR08	287		0.00	3,204.40
Station 1-Spool pieces (3) (spacers)											
R1810-1S03		Attachdiagnostics, studs and coolant lines	17	1	03NOV08*	25NOV08	25NOV08	298		0.00	28,036.40
R1810-1S04		Install Final Internal&Ext monuments & meas	2	1	26NOV08	01DEC08	01DEC08	298		0.00	3,298.40
Station 2 Trials & Development											
Water jet cut A/B flange weld test											
INTRF-035		PPPL Determine shim material	23		01MAY07A	01JUN07A	01JUN07		100	6,969.20	6,969.20
INTRF-001		PPPL buy SS plate for weld trials	10		04JUN07A	15JUN07A	15JUN07		100	40,762.56	40,762.56
PHIL-02		weld shim DXF files complete	1		02JUL07A	02JUL07A	28JUN07		100	0.00	0.00
PHIL-03		complete CAD model of weld test specimen	1		06JUL07A	06JUL07A	06JUL07		100	0.00	0.00
PHIL-04		1100water jet cut shims for A/B flange weld test	3		11JUL07A	11JUL07A	11JUL07		100	1,803.60	1,803.60
PHIL-05		1solution anneal shims (note: shims not ground).	1		04SEP07A	04SEP07A	12JUL07		100	991.36	991.36
PHIL-06		assemble shims&flanges;grind relief in flanges	3		17JUL07A	17JUL07A	17JUL07		100	3,607.20	3,607.20
PHIL-07		weld & monitor distortion; improvise clamping	3		20JUL07A	20JUL07A	20JUL07		100	3,607.20	3,607.20
PHIL-08		analyze results at PPPL	2		24JUL07A	24JUL07A	24JUL07		100	0.00	0.00
PHIL-09		analyze welds at EWI	10		01AUG07A	28SEP07A	07AUG07		100	0.00	0.00
Casting Weld Tests											
PHIL-11		Mount A6 on angle plate	1			02JUL07A	25JUN07		100	1,202.40	1,202.40
PHIL-12		Weld fiducials on A6 & B6	2			11JUL07A	11JUL07		100	2,404.80	2,404.80



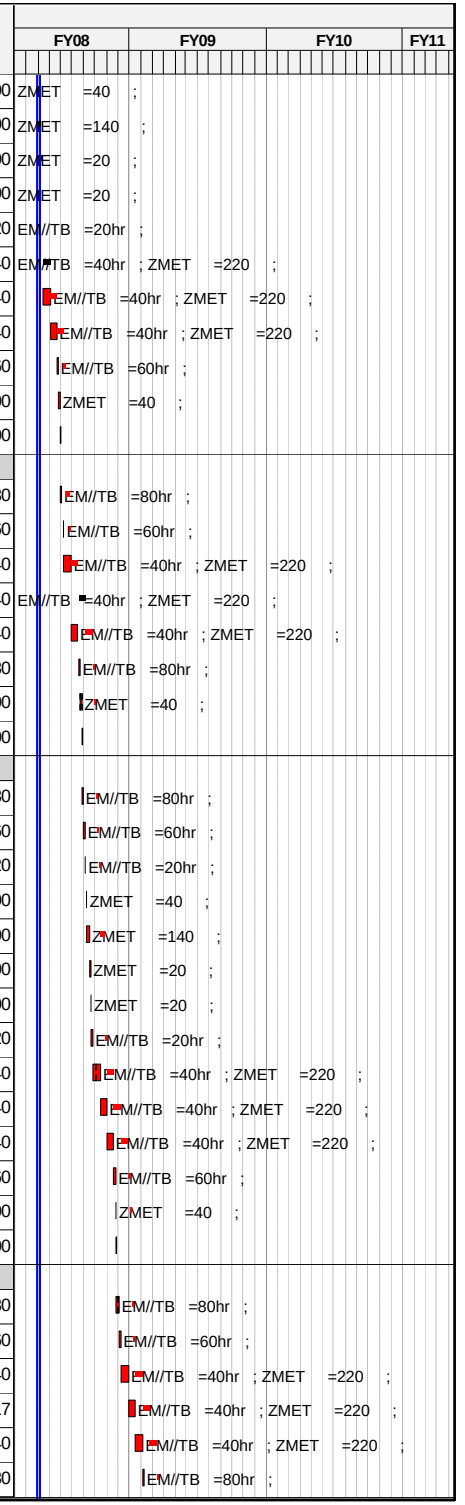
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
PHIL-13		Measure A6 casting	2			13JUL07A	13JUL07		100	0.00	0.00
PHIL-14		Develop metrology plan for station 2	9*		01JUN07A	08OCT07A	31AUG07		100	0.00	0.00
PHIL-15		Remove A6 & lower & grout wedge	4			19JUL07A	19JUL07		100	4,809.60	4,809.60
PHIL-16		Re-mount A6 on wedge	2			23JUL07A	23JUL07		100	2,404.80	2,404.80
PHIL-17		Re-measure A6	2			25JUL07A	25JUL07		100	0.00	0.00
PHIL-18		Measure B6 on wedge	2			27JUL07A	27JUL07		100	2,404.80	2,404.80
PHIL-19		Place B6 on A6; Meas B6 casting use A6 as base	2			31JUL07A	31JUL07		100	0.00	0.00
PHIL-20		Complete CAD model for dimensional ref.	3			31JUL07A	03AUG07		100	0.00	0.00
PHIL-21		Prepare angle plate dogs & chocks	4			13JUL07A	13JUL07		100	4,809.60	4,809.60
PHIL-22		Water jet cut outboard 0,5" stk 316 SS shims	4			17JUL07A	17JUL07		100	2,404.80	2,404.80
PHIL-23		Water jet cut inboard 0.625 316 SS	3			20JUL07A	20JUL07		100	1,803.60	1,803.60
PHIL-24		Assemble castings,align torque&meas inbd. shims	4			26JUL07A	26JUL07		100	4,809.60	4,809.60
PHIL-25		Purchase (2) grinding machines	45		01FEB08*	03APR08	14SEP07	1,124		0.00	52,320.00
PHIL-26		Grind inbd. Shims to thickness (outside shop)	4			31JUL07A	01AUG07		100	1,276.00	1,276.00
PHIL-27		Solution anneal shims	2			31JUL07A	03AUG07		100	1,982.72	1,982.72
PHIL-28		bushing drawings complete	0			29JUN07A	29JUN07		100	0.00	0.00
PHIL-29		fabricate stock bushings	5			13JUL07A	13JUL07		100	0.00	0.00
PHIL-30		Zenex - fabricate eccentric bushings	5			13JUL07A	13JUL07		100	1,658.80	1,658.80
PHIL-31		Receive hardware - studs, washers	14*			20AUG07A	19JUL07		100	0.00	0.00
PHIL-32		Align castings	2			31JUL07A	31JUL07		100	2,404.80	2,404.80
PHIL-33		Fit&install bushings 25% stock, 25% eccentric	5			31JUL07A	07AUG07		100	6,012.00	6,012.00
PHIL-34		Weld procedure/weld qual.	7			17JUL07A	17JUL07		100	4,208.40	4,208.40
PHIL-35		Purchase weld on strain gauges	14			26JUL07A	26JUL07		100	0.00	0.00
PHIL-36		Install strain gauges	5			07AUG07A	02AUG07		100	4,956.80	4,956.80
PHIL-37		Set up dial ind., CMM, transit system	26*		02JUL07A	07AUG07A	07AUG07		100	3,006.00	3,006.00
PHIL-38		Install all shims and adjust bushings	2			31JUL07A	07AUG07		100	2,404.80	2,404.80
PHIL-39		Final align and baseline measurements	3			23AUG07A	10AUG07		100	5,410.80	5,410.80
PHIL-40		Perform 25% of welding & measure	2			27AUG07A	14AUG07		100	2,404.80	2,404.80
PHIL-41		Perform 50% of welding & measure	2			29AUG07A	16AUG07		100	2,404.80	2,404.80
PHIL-42		Perform 75% of welding & measure	2			31AUG07A	20AUG07		100	2,404.80	2,404.80
PHIL-43		finish welding & measure	2			05SEP07A	22AUG07		100	2,404.80	2,404.80
PHIL-44		Analyze data; write report	14		19SEP07A	28SEP07A	12SEP07		100	0.00	0.00
R1810-2050		Consulting support for welding trials	63*		02JUL07A	28SEP07A	12SEP07		100	89,320.00	89,320.00
R1810-2003		Trial tensioning test on prototype with UT	3	1		11JUL07A	11JUL07		100	6,834.00	6,834.00
R1810-2005		Trial bushing and shim test on prototype	12	1		31JUL07A	31JUL07		100	20,588.00	20,588.00
R1810-2011		Alignment mechanisms, metro equipt &positioning	390*	1	04SEP07A	31MAR09	31MAR09	878	LOE	16,010.60	63,033.85
R1810-2013		Procure alignment mechanisms, fiducials, lifting	390*	1	04SEP07A	31MAR09	31MAR09	878	LOE	16,659.94	65,590.33
R1810-2052		Bushing test B-C	7	1		26JUL07A	26JUL07		100	8,416.80	8,416.80
R1810-2017		Determine fiducial types&locations	40*	1	01JUN07A	27JUL07A	23JUL07		100	19,085.00	19,085.00
R1810-2001		Misc Hardware and hardware rework (1/2 fte loe)	260*	1	01MAY07A	14MAY08	14MAY08	1,095	LOE	62,858.42	87,913.87



Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
Setup											
R1810-2023		Install FIRST Holding 20 deg fixture	0	1		31JUL07A	12JUL07		100	8,564.00	8,564.00
R1810-2025		Install SECOND Holding 20 deg fixture	0	1		31JUL07A	03AUG07		100	7,061.00	7,061.00
R1810-2027		Install THIRD Holding 20 deg fixture	6	1	17MAR08*	24MAR08	13AUG07	1,060		0.00	12,229.20
R1810-2029		Install LAST Holding 20 deg fixture	3	1	25MAR08*	27MAR08	16AUG07	1,060		0.00	7,422.60
R1810-2004		Receive Drawings & Hardware (shims & Bolts)	7	1		23OCT07A	20SEP07		100	11,215.40	11,215.40
R1810-2006		Surface grind set of metal shims for qualificat	4	1	17DEC07A	21DEC07A	20SEP07		100	19,226.40	19,226.40
R1810-207		Compress alumina shims and sort	6	1	06MAR08*	13MAR08	28SEP07	1,118		0.00	9,613.20
R1810-209		Perform metrology setup & checks	22	1	01OCT07A	16JAN08A	09OCT07		100	8,011.00	8,011.00
R1810-2021		Tools&tooling available for FPA operations	113*	1	14DEC07A	30MAY08	20AUG07	1,060	50	4,872.20	9,744.40
R1810-2002		Test out Equip & Procedures	101*	1	03DEC07A	30APR08	10OCT07	1,081	50	5,607.70	11,215.40
R1810-2108		HARDWARE,DRAWINGS,& PROCURES AVAILABLE	0	1		30MAY08	23OCT07	1,060		0.00	0.00
Pre-Measuring and fitup checks											
Pre measurement of MCHP A1,B1,C1 flanges											
S21-1.01		Verify mating MC's A1,B1,C1	51*	1	22OCT07A	11JAN08A	25JUL07		100	6,408.80	6,408.80
S21-1.02		Epoxy paint all close fitting interfacing surfac	3	1	01OCT07A	03OCT07A	30JUL07		100	4,806.60	4,806.60
S21-2.01		Set B1 on pre-measured fixt, "B" side down	1	1		31JUL07A	31JUL07		100	1,503.00	1,503.00
S21-2.02		Align to the conical seats locking into of 8	2	1		02AUG07A	02AUG07		100	0.00	0.00
S21-2.03		Estab global coord sys on mc geometry. Meas monu	7	1		13AUG07A	13AUG07		100	0.00	0.00
S21-2.04		Meas tooling ball monuments on winding form.	1	1		14AUG07A	14AUG07		100	0.00	0.00
S21-2.05		Scan the "A" flange of the Type-B1 coil.	1	1		15AUG07A	15AUG07		100	0.00	0.00
S21-2.07		Remove B1 coil from stand	1	1		16AUG07A	16AUG07		100	1,503.00	1,503.00
S21-2.08		Measure A1 "A" flange	14	1	07SEP07A	26SEP07A	06SEP07		100	3,006.00	3,006.00
S21-2.11		Measure C1 "A" flange	13	1	27SEP07A	28SEP07A	25SEP07		100	3,006.00	3,006.00
S21-2.14		Measure Type A2 "A" flange	13	1	14JAN08A	30JAN08A	12OCT07		100	3,204.40	3,204.40
S21-3.02		Grind shims first article f/assy process qu	4	1	23OCT07A	26OCT07A	18OCT07		100	6,408.80	6,408.80
S21-4.02		Perform metrology set-up and checks	2	1	29OCT07A	30OCT07A	22OCT07		100	0.00	0.00
S21-3.03		Ready For Preassembly A1B1C1	0	1		30OCT07A	22OCT07		100	0.00	0.00
Pre measurement of MCHP A2,B2,C2 flanges											
S22-1.01		Verify mating MC's of MCHP will come together	27*		31JAN08A	07MAR08	26OCT07	1,143	20	1,281.76	6,408.80
S22-1.02		Epoxy paint all close fitting interfacing surfac	3		22OCT07A	25OCT07A	31OCT07		100	4,806.60	4,806.60
S22-2.08		Measure B2 "A" flange	14	1	08OCT07A	30OCT07A	20NOV07		100	3,204.40	3,204.40
S22-2.11		Measure C2 "A" flange	13	1	08OCT07A	30OCT07A	11DEC07		100	3,204.40	3,204.40
S22-2.14		Measure Type A2 "A" flange	13	1	08OCT07A	31OCT07A	08JAN08		100	3,204.40	3,204.40
S22-3.02		Compress alumina shims sort by thickness	4		01FEB08*	06FEB08	14JAN08	-110	0	0.00	6,408.80
S22-4.02		Perform metrology set-up and checks	2		07FEB08	08FEB08	16JAN08	-110		0.00	0.00
S22-4.03		Ready For Preassembly A2B2C2	0			08FEB08	16JAN08	-110		0.00	0.00
Pre measurement of MCHP A3,B3,C3 flanges											
S23-1.01		Verify mating MC's of MCHP will come together	4		11FEB08	14FEB08	22JAN08	-33		0.00	6,408.80
S23-1.02		Epoxy paint all close fitting interfacing surfac	3		01NOV07A	30NOV07A	25JAN08		100	4,806.60	4,806.60
S23-2.01		Set the A3 coil on fixture, A side flange down	1		01NOV07A	30NOV07A	28JAN08		100	1,602.20	1,602.20



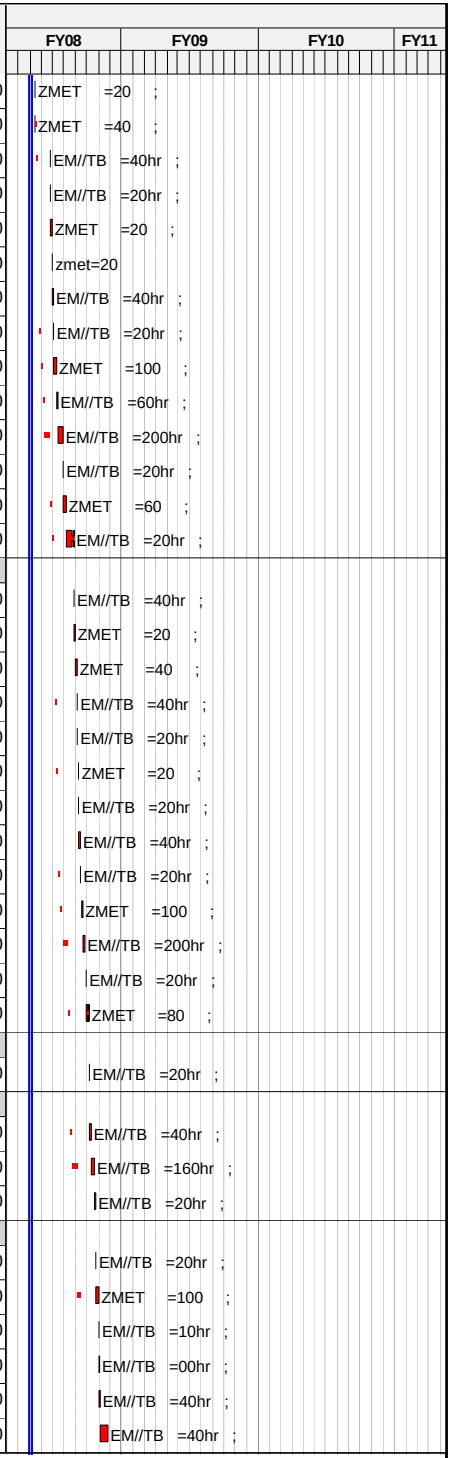
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S23-2.02		Align to the conical seats locking into min of 8	2		01NOV07A	30NOV07A	30JAN08		100	0.00	0.00
S23-2.03		Measure monuments on fixture and walls.	7		01NOV07A	30NOV07A	08FEB08		100	0.00	0.00
S23-2.04		Measure tooling ball monuments	1		01NOV07A	30NOV07A	11FEB08		100	0.00	0.00
S23-2.05		Scan the B flange of A3	1		01NOV07A	30NOV07A	12FEB08		100	0.00	0.00
S23-2.07		Remove A3 move to holding area.	1		01NOV07A	30NOV07A	13FEB08		100	1,602.20	1,602.20
S23-2.08		Measure B3 "A" flange	14		01NOV07A	30NOV07A	04MAR08		100	3,204.40	3,204.40
S23-2.11		Measure C3 "A" flange	13		15FEB08	04MAR08	21MAR08	-33		0.00	3,204.40
S23-2.14		Measure Type A3-A4 "A" flange	13		05MAR08	21MAR08	09APR08	-33		0.00	3,204.40
S23-3.02		Compress alumina shims sort by thickness	4		24MAR08	27MAR08	15APR08	-33		0.00	4,806.60
S23-4.02		Perform metrology set-up and checks	2		28MAR08	31MAR08	17APR08	-33		0.00	0.00
S23-4.03		Ready For Preassembly A3B3C3	0		01APR08	31MAR08	17APR08	-33		0.00	0.00
Pre measurement of MCHP A4,B4,C4 flanges											
S24-1.01		Verify mating MC's of MCHP will come together	4		01APR08	04APR08	23APR08	-33		0.00	6,408.80
S24-1.02		Epoxy paint all close fitting interfacing surfac	3		07APR08	09APR08	28APR08	-33		0.00	4,806.60
S24-2.08		Measure B4 "A" flange	14	1	10APR08	29APR08	16MAY08	-33		0.00	3,204.40
S24-2.11		Measure C4 "A" flange	13	1	01NOV07A	30NOV07A	05JUN08		100	3,204.40	3,204.40
S24-2.14		Measure Type A3-A4 "A" flange	13	1	30APR08	16MAY08	24JUN08	-33		0.00	3,204.40
S24-3.02		Compress alumina shims sort by thickness	4		19MAY08	22MAY08	30JUN08	-33		0.00	6,408.80
S24-4.02		Perform metrology set-up and checks	2		23MAY08	27MAY08	02JUL08	-33		0.00	0.00
S24-4.03		Ready For Preassembly A4B4C4	0		28MAY08	27MAY08	02JUL08	-33		0.00	0.00
Pre measurement of MCHP A5,B5,C5 flanges											
S25-1.01		Verify mating MC's of MCHP will come together	4		28MAY08	02JUN08	09JUL08	-33		0.00	6,408.80
S25-1.02		Epoxy paint all close fitting interfacing surfac	3		03JUN08	05JUN08	14JUL08	-33		0.00	4,806.60
S25-2.01		Set the A5 coil on fixture, A side flange down	1		06JUN08	06JUN08	15JUL08	-33		0.00	1,602.20
S25-2.02		Align to the conical seats locking into min of 8	2		09JUN08	10JUN08	17JUL08	-33		0.00	0.00
S25-2.03		Measure monuments on fixture and walls.	7		11JUN08	19JUN08	28JUL08	-33		0.00	0.00
S25-2.04		Measure tooling ball monuments	1		20JUN08	20JUN08	29JUL08	-33		0.00	0.00
S25-2.05		Scan the B flange of A5	1		23JUN08	23JUN08	30JUL08	-33		0.00	0.00
S25-2.07		Remove A5 move to holding area.	1		24JUN08	24JUN08	31JUL08	-33		0.00	1,602.20
S25-2.08		Measure B5 "A" flange	14		25JUN08	15JUL08	20AUG08	-33		0.00	3,204.40
S25-2.11		Measure C5 "A" flange	13		16JUL08	01AUG08	09SEP08	-33		0.00	3,204.40
S25-2.14		Measure Type A5-A6 "A" flange	13		04AUG08	20AUG08	26SEP08	-33		0.00	3,204.40
S25-3.02		Compress alumina shims sort by thickness	4		21AUG08	26AUG08	02OCT08	-33		0.00	4,806.60
S25-4.02		Perform metrology set-up and checks	2		27AUG08	28AUG08	06OCT08	-33		0.00	0.00
S25-4.03		Ready For Preassembly A5B5C5	0		29AUG08	28AUG08	06OCT08	-33		0.00	0.00
Pre measurement of MCHP A6,B6,C6 flanges											
S26-1.01		Verify mating MC's of MCHP will come together	4		29AUG08	04SEP08	10OCT08	-33		0.00	6,408.80
S26-1.02		Epoxy paint all close fitting interfacing surfac	3		05SEP08	09SEP08	15OCT08	-33		0.00	4,806.60
S26-2.08		Measure B6 "A" flange	14	1	10SEP08	29SEP08	04NOV08	-33		0.00	3,204.40
S26-2.11		Measure C6 "A" flange	13	1	30SEP08	16OCT08	21NOV08	-33		0.00	3,291.17
S26-2.14		Measure Type A5-A6"A" flange	13	1	17OCT08	04NOV08	12DEC08	-33		0.00	3,298.40
S26-3.02		Compress alumina shims sort by thickness	4		05NOV08	10NOV08	18DEC08	-33		0.00	6,596.80



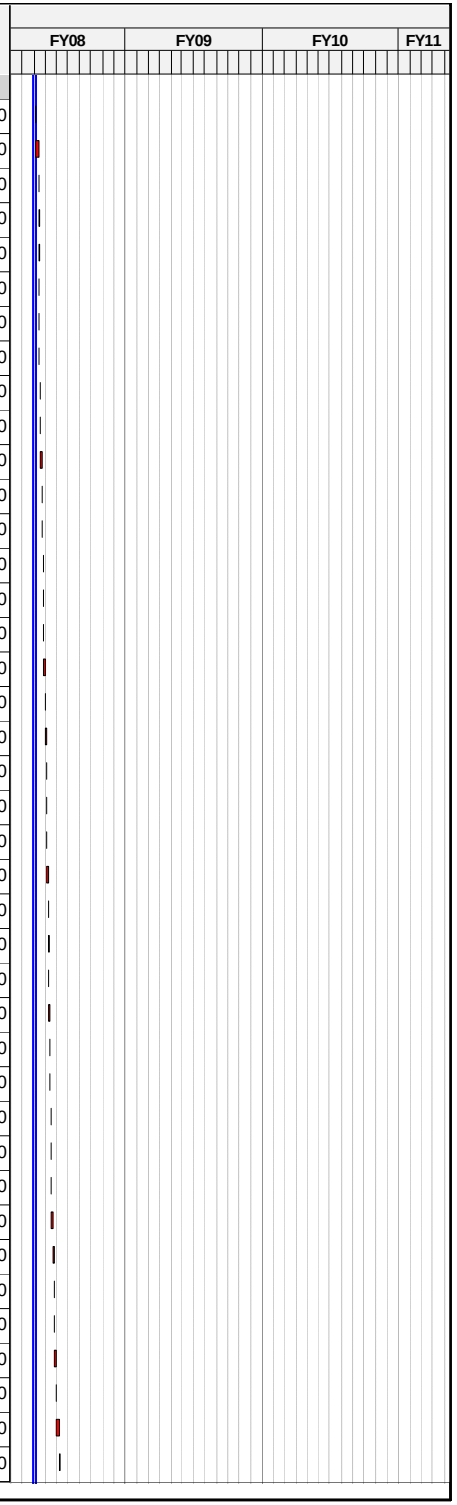
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S26-4.02		Perform metrology set-up and checks	2		11NOV08	12NOV08	22DEC08	-33		0.00	0.00
S26-4.03		Ready For Preassembly A6B6C6	0		13NOV08	12NOV08	22DEC08	-33		0.00	0.00
Station 2-MC Sub Assy A1-B1-C1											
Pre-assemble A1-A2REPLANNED TO STATION 3****											
S21-5.01		Place A2 "B" side down. Obtain fiduals	2	1	02JUN08	03JUN08	25OCT07	1,060		0.00	3,204.40
S21-5.02		Align to the conical seats locking into 8.	1	1	04JUN08	04JUN08	26OCT07	1,060		0.00	0.00
S21-5.03		Meas monuments on fixture & walls.	2	1	05JUN08	06JUN08	30OCT07	1,060		0.00	0.00
S21-5.04		Place shims on coil identical to A1-A2 fit up	1	1	09JUN08	09JUN08	31OCT07	1,060		0.00	801.10
S21-5.05		Install dial indicators on the MC to see deflec	1	1	10JUN08	10JUN08	01NOV07	1,060		0.00	3,204.40
S21-5.06		Lower mating A1 modular coil into position.	1	1	11JUN08	11JUN08	02NOV07	1,060		0.00	1,602.20
S21-5.07		Meas monuments bottom coil. Jack to .002ö	1	1	12JUN08	12JUN08	05NOV07	1,060		0.00	1,602.20
S21-5.08		Using 3 points, position as was done inA1A2 fit	1	1	13JUN08	13JUN08	06NOV07	1,060		0.00	1,602.20
S21-5.09		Torque to 50%	2	1	16JUN08	17JUN08	08NOV07	1,060		0.00	3,204.40
S21-5.1		Make "wiggle" test Tighten bolt and recheck.	1	1	18JUN08	18JUN08	09NOV07	1,060		0.00	1,602.20
S21-5.11		Meas tooling balls both coils.	5	1	19JUN08	25JUN08	16NOV07	1,060		0.00	0.00
S21-5.12		Adjust shims locally. Re-torque all studs to 50%	3	1	26JUN08	30JUN08	21NOV07	1,060		0.00	4,806.60
S21-5.14		Install A-A locator bushings	2	1	01JUL08	02JUL08	23NOV07	1,060		0.00	3,204.40
S21-5.15		Remove studs,nuts,shims. Identify shim locations	1	1	03JUL08	03JUL08	26NOV07	1,060		0.00	1,602.20
A-B Assembly											
S21-6.01		Place Type A "A" side down. Obtain fiduals	2	1	01NOV07A	30NOV07A	28NOV07		100	3,204.40	3,204.40
S21-6.02		Align to the conical seats locking into 8.	1	1	01NOV07A	30NOV07A	03DEC07		100	0.00	0.00
S21-6.03		Meas monuments on fixture & walls.	2	1	01NOV07A	30NOV07A	05DEC07		100	0.00	0.00
S21-6.04		Place the an initial set shims on coil	2	1	06MAR08	07MAR08	07DEC07	1,106		0.00	3,204.40
S21-6.041		Stuff shim bag w/fiberglass & place on wing	1	1	10MAR08	10MAR08	10DEC07	1,106		0.00	400.55
S21-6.05		Lower the Type-B coil onto the Type-A coil.	1	1	11MAR08	11MAR08	11DEC07	1,106		0.00	1,602.20
S21-6.06		Measure monuments on A coil. Jack to .002ö	1	1	12MAR08	12MAR08	12DEC07	1,106		0.00	1,602.20
S21-6.061		instl dial indicators for x-y positioning	1	1	13MAR08	13MAR08	13DEC07	1,106		0.00	1,602.20
S21-6.07		Perform the X-Y positioning of the B coil.	1	1	14MAR08	14MAR08	14DEC07	1,106		0.00	1,602.20
S21-6.08		Install remaining metal shims torque to 50%	2	1	17MAR08	18MAR08	18DEC07	1,106		0.00	3,204.40
S21-6.09		Make "wiggle" test Tighten bolt and recheck.	1	1	19MAR08	19MAR08	19DEC07	1,106		0.00	1,602.20
S21-6.1		Measure the tooling balls on both coils.	5	1	20MAR08	26MAR08	04JAN08	1,106		0.00	0.00
S21-6.11		Loosen studs, adjust shims. Re-torque to 50%.	3	1	27MAR08*	31MAR08	09JAN08	1,106		0.00	4,806.60
S21-6.12		Install alumina shims. Re-torque to 50%.	1	1	01APR08	01APR08	10JAN08	1,106		0.00	1,602.20
S21-6.13		Make "wiggle" test Tighten bolt and recheck.	1	1	02APR08	02APR08	11JAN08	1,106		0.00	1,602.20
S21-6.14		Measuretooling balls . The max devi .007ö .	5	1	03APR08	09APR08	18JAN08	1,106		0.00	0.00
S21-6.15		Loosen studs, adjust shims. Re-torque to 50%.	3	1	10APR08	14APR08	23JAN08	1,106		0.00	4,806.60
S21-6.16		Install bushings. Tighten back to 50%	5	1	15APR08	21APR08	06FEB08	1,106		0.00	16,022.00
S21-6.17		Complete tightening of flange bolts to 100%.	1	1	01MAY08	01MAY08	07FEB08	1,099		0.00	1,602.20
S21-6.18		Measuretooling balls . The max devi .007ö .	2	1	02MAY08	05MAY08	11FEB08	1,099		0.00	0.00
S21-6.19		Scan the ôBö flange of Type-B coil	3	1	06MAY08	08MAY08	12FEB08	1,099		0.00	0.00
AB - C Assembly											
S21-6.062		instl dial indicators for x-y positioning	1	1	20FEB08	20FEB08	27FEB08	1,103		0.00	1,602.20

Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S21-7.01		Place ôA/Bö assy, ôAö coil dwn, on 40deg fix.	1	1	08FEB08	08FEB08	15FEB08	1,105		0.00	4,806.60
S21-7.02		Align to the conical seats locking into a min of	1	1	11FEB08	11FEB08	18FEB08	1,105		0.00	0.00
S21-7.03		Measure the monuments on the fixture & the walls	1	1	12FEB08	12FEB08	20FEB08	1,105		0.00	0.00
S21-7.04		Place initial set metal shims on the coil	1	1	15FEB08	15FEB08	22FEB08	1,103		0.00	3,204.40
S21-7.05		Lower the Type-C coil onto the Type-B coil.	1	1	18FEB08	18FEB08	25FEB08	1,103		0.00	1,602.20
S21-7.06		Meas monuments on A coil to eval displacement.	1	1	19FEB08	19FEB08	26FEB08	1,103		0.00	0.00
S21-7.07		Perform the X-Y positioning of the coil.	1	1	21FEB08	21FEB08	28FEB08	1,103		0.00	1,602.20
S21-7.08		Install remaining metal shims torque to 50%	1	1	22FEB08	22FEB08	03MAR08	1,103		0.00	3,204.40
S21-7.09		"wiggle" test Tighten bolt and recheck.	1	1	25FEB08	25FEB08	04MAR08	1,103		0.00	1,602.20
S21-7.1		Measure the tooling balls on all coils.	1	1	26FEB08	26FEB08	11MAR08	1,103		0.00	0.00
S21-7.11		adjust shims locally. Re-torque all studs to 50%	1	1	27FEB08	27FEB08	14MAR08	1,103		0.00	4,806.60
S21-7.12		Iinstall alumina shims. Re-torque all studs to	1	1	28FEB08	28FEB08	17MAR08	1,103		0.00	1,602.20
S21-7.13		"wiggle" test Tighten bolt and recheck.	1	1	29FEB08	29FEB08	18MAR08	1,103		0.00	1,602.20
S21-7.14		Measure the tooling balls on all coils.	1	1	03MAR08	03MAR08	25MAR08	1,103		0.00	8,011.00
S21-7.15		adjust shims locally. Re-torque all studs to 50	1	1	04MAR08	04MAR08	28MAR08	1,103		0.00	4,806.60
S21-7.16		Install bushings	1	1	05MAR08	05MAR08	11APR08	1,103		0.00	16,022.00
S21-7.17		Complete tightening of flange bolts to 100%.	1	1	06MAR08	06MAR08	14APR08	1,103		0.00	1,602.20
S21-11.01		Identify primary fiducials for positioning Sta 3	1	1	07MAR08	07MAR08	15APR08	1,103		0.00	1,602.20
S21-7.18		Final metrology meas. Scan ôBö flangeType-C coil	1	1	10MAR08	10MAR08	22APR08	1,103		0.00	0.00
Tack Weld Inboard Welded hims											
S21-8.01		Tack weld inboard shims	1	1	11MAR08	11MAR08	24APR08	1,103		0.00	3,204.40
Complete Local Service & interface details											
S21-10.01		Install all wing support bladders	1	1	16JUN08	16JUN08	28APR08	1,036		0.00	3,204.40
S21-10.02		Make local service runs/connections	1	1	12MAR08	12MAR08	06MAY08	1,103		0.00	12,817.60
S21-10.03		Inject stycast in all shim spaces	1	1	01AUG08	01AUG08	25APR08	1,003		0.00	1,602.20
Final Measurements/Transfer to Holding Area											
DOE-1		Notify DOE of scheduled station 3 lifts	0	1		23JUN08	27MAR08	1,003		0.00	0.00
DOE-2		DOE review lift procedures	30	1	24JUN08	05AUG08	08MAY08	1,003		0.00	0.00
DOE-3		DOE approval of scheduled station 3 lifts	0	1		05AUG08	08MAY08	1,003		0.00	0.00
S21-11.03		Measure bolt length on all tension fasteners	0	1	06AUG08	05AUG08	08MAY08	1,003		0.00	0.00
S21-11.04		Mark part for identification	0	1	06AUG08	05AUG08	08MAY08	1,003		0.00	0.00
S21-11.05		Install lift support beams	2	1	04AUG08	05AUG08	08MAY08	1,003		0.00	3,204.40
S21-11.06		Remove from stand & measure weight of assy	35	1	06AUG08	24SEP08	09MAY08	1,003		0.00	1,602.20
S21-11.07		Move A1-B1-C1 to holding area.	0	1	25SEP08	24SEP08	09MAY08	1,003		0.00	0.00
+ Station 2c (1st 20 deg wedge)											
			108	1	22DEC07A	02JUN08		-171		0.00	44,861.60
+ Station 2d (1st 40 deg wedge)											
			68	1	03JUN08	08SEP08	09MAY08	-171		0.00	52,872.60
Station 2 MC Sub Assy A2-B2-C2											
Pre-assemble A1-A2**REPLANNED TO STATION 3**											
S21-5.00		BEGIN A-A Pre-assembly	0	1		30MAY08	23OCT07	1,060		0.00	0.00
A-B Assembly											
S22-6.01		A2 ôAö flange dwn, 20deg fixt.Obtain fiduci	1	1	11FEB08*	11FEB08	13FEB08	-110		0.00	1,602.20

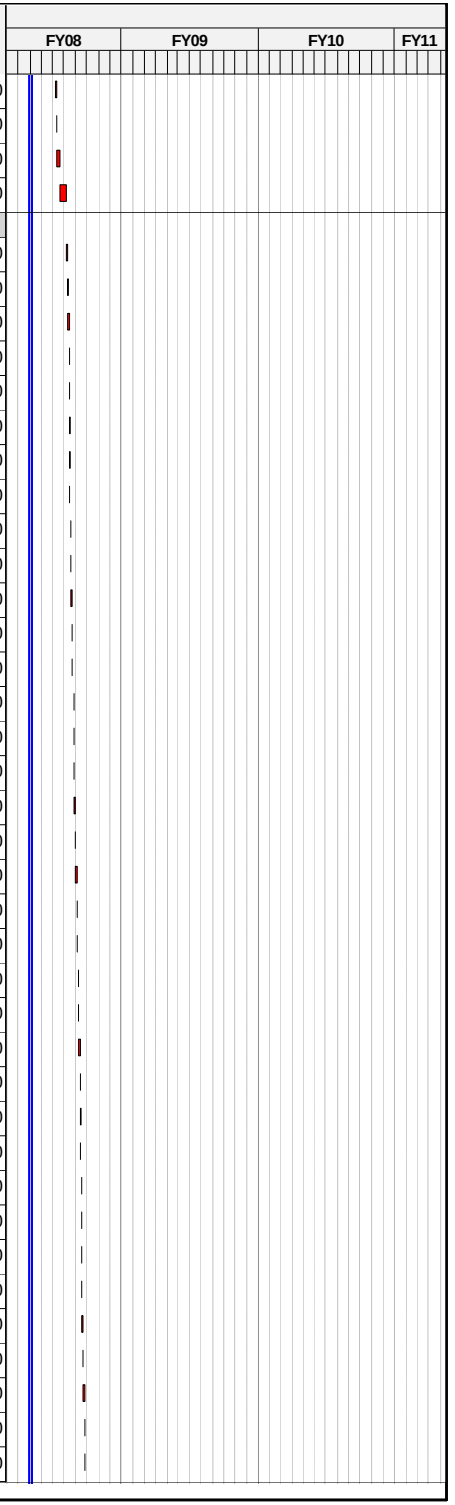
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S22-6.02		Align to the conical seats locking into a min of	1	1	12FEB08	12FEB08	14FEB08	-110		0.00	0.00
S22-6.03		Measure monuments on fixture and on the walls.	2	1	13FEB08	14FEB08	18FEB08	-110		0.00	0.00
S22-6.04		Place alumina grind inboard weld shims on coil.	2	1	25MAR08	26MAR08	20FEB08	-137		0.00	3,204.40
S22-6.05		Lower the Type-B coil onto the Type-A coil.	1	1	27MAR08	27MAR08	21FEB08	-137		0.00	1,602.20
S22-6.06		Meas monuments on A coil. Jack to within .002ö	1	1	28MAR08	28MAR08	22FEB08	-137		0.00	0.00
S22-6.07		Perform the X-Y positioning of the B coil.	1	1	31MAR08	31MAR08	25FEB08	-137		0.00	0.00
S22-6.08		Install studs, supernuts, torque to 50% of final	2	1	01APR08	02APR08	27FEB08	-137		0.00	3,204.40
S22-6.09		"wiggle" test Tighten bolt and recheck.	1	1	03APR08	03APR08	28FEB08	-137		0.00	1,602.20
S22-6.1		Meas tooling balls on both coils. max devi .007ö	5	1	04APR08	10APR08	06MAR08	-137		0.00	0.00
S22-6.11		adjust shims locally. Re-torque all studs to 50%	3	1	11APR08	15APR08	11MAR08	-137		0.00	4,806.60
S22-6.12		Install bushings	10	1	16APR08	29APR08	25MAR08	-137		0.00	16,022.00
S22-6.13		Complete tightening of flange bolts to 100%.	1	1	30APR08	30APR08	26MAR08	-137		0.00	1,602.20
S22-6.14		Measure the tooling balls on both coils.	3	1	01MAY08	05MAY08	31MAR08	-137		0.00	0.00
S22-6.15		Scan the ôBö flange of Type-B coil	15	1	06MAY08	27MAY08	01APR08	-137		0.00	1,602.20
AB - C Assembly											
S22-7.01		ôA/Bö assy ôAö coil dwn, 40deg fixt.Obtain fiduc	2	1	28MAY08	29MAY08	03APR08	-137		0.00	3,204.40
S22-7.02		Align to the conical seats locking into min of 8	1	1	30MAY08	30MAY08	04APR08	-137		0.00	0.00
S22-7.03		Measure monuments on fixture and walls.	2	1	02JUN08	03JUN08	08APR08	-137		0.00	0.00
S22-7.04		Place alumin grind inboard weld shims on coil.	2	1	04JUN08	05JUN08	10APR08	-137		0.00	3,204.40
S22-7.05		Lower the Type-C coil onto the Type-B coil.	1	1	06JUN08	06JUN08	11APR08	-137		0.00	1,602.20
S22-7.06		Meas monuments on A coil for displacements.	1	1	09JUN08	09JUN08	14APR08	-137		0.00	0.00
S22-7.07		Perform the X-Y positioning of the coil.	1	1	10JUN08	10JUN08	15APR08	-137		0.00	1,602.20
S22-7.08		Install studs, supernuts, torque to 50% of fina	2	1	11JUN08	12JUN08	17APR08	-137		0.00	3,204.40
S22-7.09		"wiggle" test Tighten bolt and recheck.	1	1	13JUN08	13JUN08	18APR08	-137		0.00	1,602.20
S22-7.1		Measure the tooling balls on all coils.	5	1	16JUN08	20JUN08	25APR08	-137		0.00	0.00
S22-7.11		Install bushings Replace nut and tighten to 50%	5	1	23JUN08	27JUN08	09MAY08	-137		0.00	16,022.00
S22-7.12		Complete tightening of flange bolts to 100%.	1	1	30JUN08	30JUN08	12MAY08	-137		0.00	1,602.20
S22-7.13		Measure the tooling balls on both coils.	4	1	01JUL08	07JUL08	16MAY08	-137		0.00	0.00
Tack Weld Inboard Welded hims											
S22-8.01		Tack weld all inboard shims to one flange	1	1	08JUL08	08JUL08	19MAY08	-137		0.00	1,602.20
Complete Local Service & interface details											
S22-10.01		Install all wing support bladders	2	1	09JUL08	10JUL08	21MAY08	-137		0.00	3,204.40
S22-10.02		local service connections on each MC.	8	1	11JUL08	22JUL08	03JUN08	-137		0.00	12,817.60
S22-10.03		Inject stycast to fill in all shim spaces	1	1	23JUL08	23JUL08	04JUN08	-137		0.00	1,602.20
Final Measurements/Transfer to Holding Area											
S22-11.01		Install or identify three primary fiducials	1	1	24JUL08	24JUL08	05JUN08	-137		0.00	1,602.20
S22-11.02		Final metrology measurement of all fiducials.	5	1	25JUL08	31JUL08	12JUN08	-137		0.00	0.00
S22-11.03		Tension tester measure bolt length	1	1	01AUG08	01AUG08	13JUN08	-137		0.00	801.10
S22-11.04		Mark part for identification	0	1	04AUG08	01AUG08	13JUN08	-137		0.00	0.00
S22-11.05		Install lift support beams	2	1	04AUG08	05AUG08	17JUN08	-137		0.00	3,204.40
S22-11.06	3	Remove from stand Move A2-B2-C2 to holding area	14	1	06AUG08	25AUG08	19JUN08	-137		0.00	3,204.40



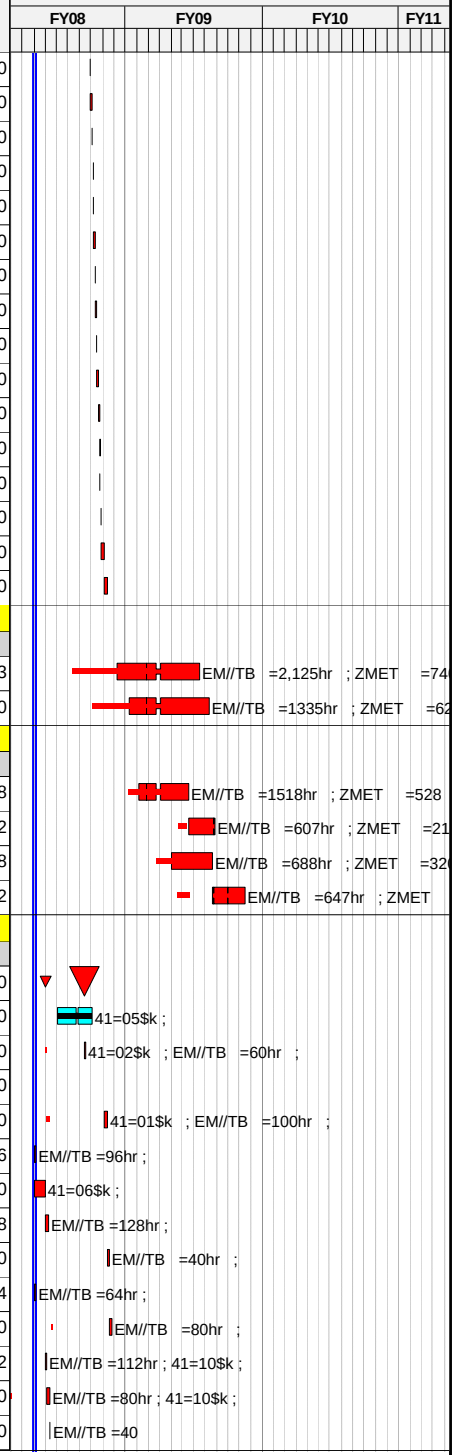
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
Station 2c (2nd 20 deg wedge)											
2-2-4.02		Perform metrology set-up and checks	2	1	04FEB08*	05FEB08		-131		0.00	0.00
2-2-6.01		Follow the steps defined in Section 2 of the Me	4	1	06FEB08	11FEB08		-131		0.00	1,602.20
2-2-6.02		Using the Type-A (B-flange) inboard shim templa	1	1	12FEB08	12FEB08		-131		0.00	1,602.20
2-2-6.03		Place an initial set of alumina shims (4-8) on	0	1	13FEB08	12FEB08		-131		0.00	0.00
2-2-6.04		Place unfilled shim bags in the wing areas	0	1	13FEB08	12FEB08		-131		0.00	0.00
2-2-6.05		Lower the mating ôBö coil into position.	1	1	13FEB08	13FEB08		-131		0.00	1,602.20
2-2-6.051		Perform an alignment to the ôBö coil tooling ba	1	1	14FEB08	14FEB08		-131		0.00	0.00
2-2-6.06		Install the jack screws and dial indicators for	1	1	15FEB08	15FEB08		-131		0.00	0.00
2-2-6.07		Using three selected monuments on the ôBö coil,	1	1	18FEB08	18FEB08		-131		0.00	0.00
2-2-6.08		Install the remaining alumina coated shims; ins	1	1	19FEB08	19FEB08		-131		0.00	1,602.20
2-2-6.09		Make a hand "wiggle" test (rotate on bolt) on a	1	1	20FEB08	20FEB08		-131		0.00	801.10
2-2-6.1		After tightening, measure the position of all m	1	1	21FEB08	21FEB08		-131		0.00	0.00
2-2-6.11		Measure the shim puck height (at a number of po	1	1	22FEB08	22FEB08		-131		0.00	801.10
2-2-6.12		Unfasten bolts and raise the "B" coil in height	1	1	25FEB08*	25FEB08		-131		0.00	1,602.20
2-2-6.13		"Lightly" tack weld the nose flex shims to the	1	1	26FEB08	26FEB08		-131		0.00	801.10
2-2-6.14		Unfasten all bolts and remove the "B" coil and	1	1	27FEB08	27FEB08		-131		0.00	801.10
2-2-6.15		Recheck the part alignment of the "A" coil to m	1	1	28FEB08	28FEB08		-131		0.00	1,602.20
2-2-6.151		Weld all Type-A flex shims to the plasma side,	1	1	29FEB08	29FEB08		-131		0.00	1,602.20
2-2-6.16		After welding the "A" coil nose shims recheck a	1	1	03MAR08	03MAR08		-131		0.00	0.00
2-2-6.17		Time needs to be allocated for a back office as	1	1	04MAR08	04MAR08		-131		0.00	0.00
2-2-6.18		On the separate fixture measure the "B" fiducia	1	1	05MAR08	05MAR08		-131		0.00	0.00
2-2-6.19		With the successful "A" coil weld operation, we	1	1	06MAR08	06MAR08		-131		0.00	1,602.20
2-2-6.2		After welding the "B" coil nose shims recheck t	1	1	07MAR08	07MAR08		-131		0.00	0.00
2-2-6.21		Time needs to be allocated for a back office as	1	1	10MAR08	10MAR08		-131		0.00	0.00
2-2-6.22		Remove alumina shims as necessary except for th	0	1	11MAR08	10MAR08		-131		0.00	0.00
2-2-6.23		Lower the mating ôBö coil into position.	1	1	11MAR08	11MAR08		-131		0.00	1,602.20
2-2-6.231		Perform an alignment to the ôBö coil tooling ba	1	1	12MAR08	12MAR08		-131		0.00	1,602.20
2-2-6.24		Using three selected monuments on the ôBö coil,	1	1	13MAR08	13MAR08		-131		0.00	1,602.20
2-2-6.25		Raise the "B" coil slightly and install the rem	1	1	14MAR08	14MAR08		-131		0.00	1,602.20
2-2-6.26		Make a hand "wiggle" test (rotate on bolt) on a	1	1	17MAR08	17MAR08		-131		0.00	801.10
2-2-6.27		After tightening, measure the position of all m	1	1	18MAR08	18MAR08		-131		0.00	0.00
2-2-6.28		If the above step does not fall within .007" or	1	1	19MAR08	19MAR08		-131		0.00	1,602.20
2-2-6.29		One hole at a time, remove the supernut. Using	2	1	20MAR08	21MAR08		-131		0.00	3,204.40
2-2-6.3		After super bolt tightening, measure the positi	1	1	24MAR08	24MAR08		-131		0.00	0.00
2-2-6.33		Tighten all bolts to their final torque.	1	1	25MAR08	25MAR08		-131		0.00	801.10
2-2-6.34		After tightening hardware, measure the position	1	1	26MAR08	26MAR08		-131		0.00	0.00
2-2-6.35		Weld the A / B nose region solenoid side follow	2	1	27MAR08	28MAR08		-131		0.00	3,204.40
2-2-6.36		Measure the positions of all monuments per the	1	1	31MAR08	31MAR08		-131		0.00	0.00
2-2-6.37		Back office of above results and adjust wing su	7	1	01APR08	09APR08		-131		0.00	0.00
2-2-6.38		Identify, if possible, a set of monuments that	0	1	10APR08	09APR08		-131		0.00	0.00



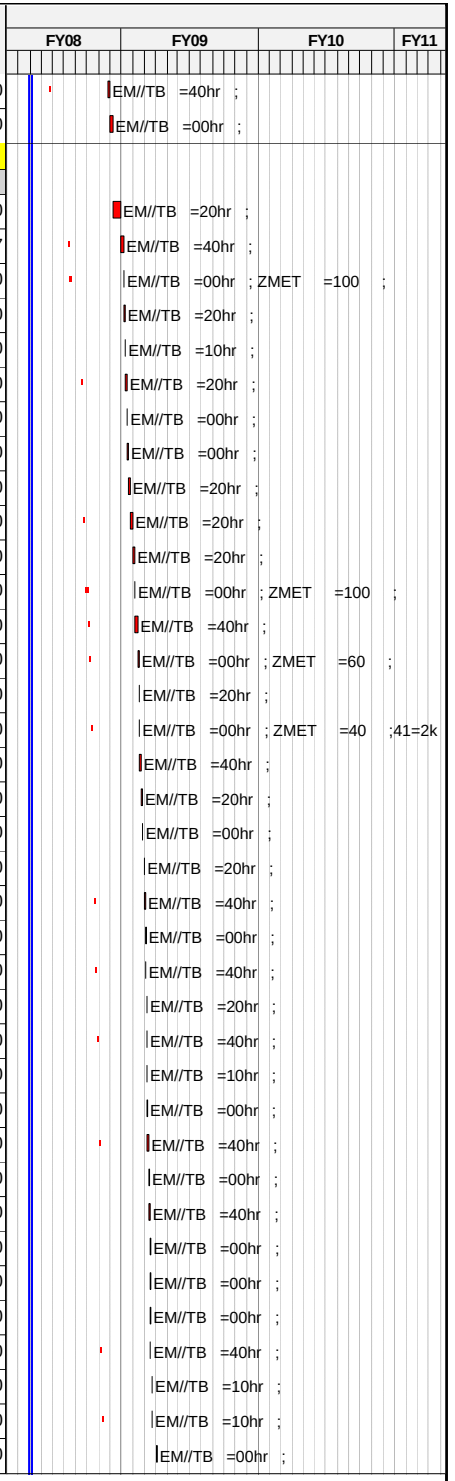
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
2-2-6.39		Fill all lose bushings with Stycast 2850FT	1	1	10APR08	10APR08		-131		0.00	1,602.20
2-2-6.4		Scan the "B" flange (datum ôEö) of the ôBö coil	1	1	11APR08	11APR08		-131		0.00	0.00
2-2-6.41		Using the "B" flange (datum "E") measurement of	6	1	14APR08	21APR08		-131		0.00	0.00
2-2-6.42		Compress alumina coated shims and sort by thick	12	1	22APR08	07MAY08		-131		0.00	1,602.20
Station 2d (2nd 40 deg wedge)											
2-2-7.01		Bolt the "A" coil to its fixture and lift the (	3	1	08MAY08	12MAY08		-131		0.00	4,806.60
2-2-7.02		Select a subset of monuments identified in step	0	1	13MAY08	12MAY08		-131		0.00	0.00
2-2-7.03		Align to the set of monuments selected in 7.02.	1	1	13MAY08	13MAY08		-131		0.00	0.00
2-2-7.04		Establish a set of global monuments, on the fix	1	1	14MAY08	14MAY08		-131		0.00	0.00
2-2-7.05		Using the Type-B (B-flange) inboard shim templa	1	1	15MAY08	15MAY08		-131		0.00	1,602.20
2-2-7.06		Place an initial set of alumina shims (4-8) on	0	1	16MAY08	15MAY08		-131		0.00	0.00
2-2-7.07		Place unfilled shim bags in the wing areas	0	1	16MAY08	15MAY08		-131		0.00	0.00
2-2-7.08		Lower the mating ôCö coil into position.	1	1	16MAY08	16MAY08		-131		0.00	1,602.20
2-2-7.081		Perform an alignment to the ôCö coil tooling ba	1	1	19MAY08	19MAY08		-131		0.00	0.00
2-2-7.09		Install the jack screws and dial indicators for	1	1	20MAY08	20MAY08		-131		0.00	0.00
2-2-7.1		Using three selected monuments on the ôCö coil,	1	1	21MAY08	21MAY08		-131		0.00	1,602.20
2-2-7.11		Install the remaining alumina coated shims; ins	1	1	22MAY08	22MAY08		-131		0.00	1,602.20
2-2-7.12		Make a hand "wiggle" test (rotate on bolt) on a	1	1	23MAY08	23MAY08		-131		0.00	801.10
2-2-7.13		After tightening, measure the position of all m	1	1	27MAY08	27MAY08		-131		0.00	0.00
2-2-7.14		Measure the shim puck height (at a number of po	1	1	28MAY08	28MAY08		-131		0.00	801.10
2-2-7.15		Unfasten bolts and raise the "C" coil in height	1	1	29MAY08	29MAY08		-131		0.00	1,602.20
2-2-7.16		"Lightly" tack weld the nose flex shims to the	1	1	30MAY08	30MAY08		-131		0.00	801.10
2-2-7.17		Unfasten all bolts and remove the "C" coil and	1	1	02JUN08	02JUN08		-131		0.00	801.10
2-2-7.18		Recheck the part alignment of the "A / B" coil	2	1	03JUN08	04JUN08		-131		0.00	0.00
2-2-7.19		After welding the "B" coil nose shims recheck a	1	1	05JUN08	05JUN08		-131		0.00	0.00
2-2-7.2		Time needs to be allocated for a back office as	1	1	06JUN08	06JUN08		-131		0.00	0.00
2-2-7.21		On the separate fixture measure the "C" fiducia	1	1	09JUN08	09JUN08		-131		0.00	0.00
2-2-7.22		With the successful "A / B" coil weld operation	1	1	10JUN08	10JUN08		-131		0.00	1,602.20
2-2-7.23		After welding the "C" coil nose shims recheck t	1	1	11JUN08	11JUN08		-131		0.00	0.00
2-2-7.24		Time needs to be allocated for a back office as	1	1	12JUN08	12JUN08		-131		0.00	0.00
2-2-7.25		Remove alumina shims as necessary except for th	0	1	13JUN08	12JUN08		-131		0.00	0.00
2-2-7.26		Lower the mating ôCö coil into position.	1	1	13JUN08	13JUN08		-131		0.00	1,602.20
2-2-7.261		Perform an alignment to the ôCö coil tooling ba	1	1	16JUN08	16JUN08		-131		0.00	0.00
2-2-7.27		Using three selected monuments on the ôCö coil,	1	1	17JUN08	17JUN08		-131		0.00	1,602.20
2-2-7.28		Raise the "C" coil slightly and install the rem	1	1	18JUN08	18JUN08		-131		0.00	1,602.20
2-2-7.29		Make a hand "wiggle" test (rotate on bolt) on a	1	1	19JUN08	19JUN08		-131		0.00	801.10
2-2-7.3		After tightening, measure the position of all m	1	1	20JUN08	20JUN08		-131		0.00	2,403.30
2-2-7.31		If the above step does not fall within .015" or	1	1	23JUN08	23JUN08		-131		0.00	1,602.20
2-2-7.32		One hole at a time, remove the supernut. Using	2	1	24JUN08	25JUN08		-131		0.00	3,204.40
2-2-7.33		After super bolt tightening, measure the positi	1	1	26JUN08	26JUN08		-131		0.00	0.00
2-2-7.36		Tighten all bolts to their final torque.	1	1	27JUN08	27JUN08		-131		0.00	801.10



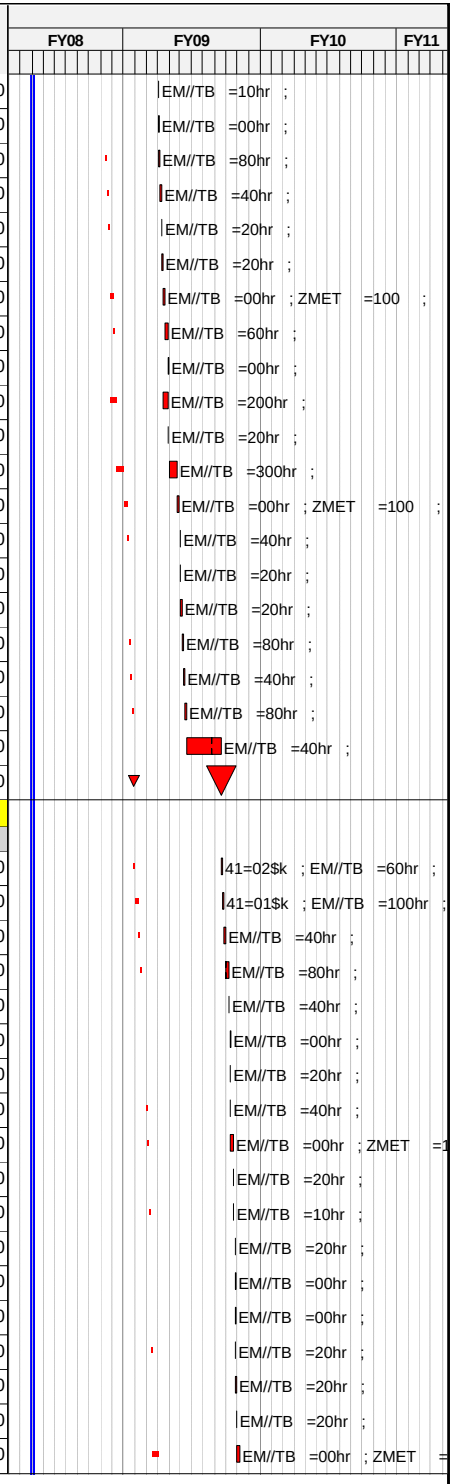
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
2-2-7.37		After tightening hardware, measure the position	1	1	30JUN08	30JUN08		-131		0.00	0.00
2-2-7.38		Weld the B / C nose region solenoid side follow	2	1	01JUL08	02JUL08		-131		0.00	3,204.40
2-2-7.39		Measure the positions of all monuments per the	1	1	03JUL08	03JUL08		-131		0.00	0.00
2-2-7.4		Back office of above results and adjust wing su	2	1	07JUL08	08JUL08		-131		0.00	0.00
2-2-7.41		Fill all lose bushings with Stycast 2850FT	1	1	09JUL08	09JUL08		-131		0.00	1,602.20
2-2-8.01		Fill all wing bladders and cure	1	1	10JUL08	10JUL08		-131		0.00	1,602.20
2-2-10.03		Inject stycast or some compound to fill in all	1	1	11JUL08	11JUL08		-131		0.00	1,602.20
2-2-11.01		Measure the tooling balls on all coils. Save t	2	1	14JUL08	15JUL08		-131		0.00	0.00
2-2-11.02		Install or identify three primary fiducials tha	2	1	16JUL08	17JUL08		-131		0.00	0.00
2-2-11.03		Scan the ôBö flange of Type-C coil as well as t	3	1	18JUL08	22JUL08		-131		0.00	0.00
2-2-11.04		Using tension tester measure bolt length on all	1	1	23JUL08	23JUL08		-131		0.00	1,602.20
2-2-11.05		Mark part for identification	0	1	24JUL08	23JUL08		-131		0.00	0.00
2-2-11.06		Install lift support beams	2	1	24JUL08	25JUL08		-131		0.00	3,204.40
2-2-11.07		Remove from stand and measure weight of complet	2	1	28JUL08	29JUL08		-131		0.00	3,204.40
2-2-11.08		Make final metrology measurement of all fiducia	5	1	30JUL08	05AUG08		-131		0.00	0.00
2-2-11.09		Using tension tester measure bolt length on all	8	1	06AUG08	15AUG08		-131		0.00	0.00
Station 2-Modular Coil Subassembly-FP#2											
S23-A3B3C3		Assemble/Align Mod-Coils A3/B3/C3	150	1	09SEP08	17APR09	26NOV08	-100		0.00	174,694.83
S24-A4B4C4		Assemble/Align Mod-Coils A4/B4/C4	144	1	13OCT08	13MAY09	18NOV08	-100		0.00	110,084.10
Station 2-Modular Coil Subassembly-FP#3											
S25-A5B5C5		Assemble/Align Mod-Coils A5/B5/C5 (under 1 shift	86	1	05NOV08*	17MAR09	16FEB09	-32		0.00	125,174.28
S25A5B5C52		Assemble/Align Mod-Coils A5/B5/C5 (under 2 shift	52	1	18MAR09*	29MAY09	16MAR09	-32		0.00	50,053.22
S26-A6B6C6		Assemble/Align Mod-Coils A6/B6/C6	76	1	03FEB09*	19MAY09	19FEB09	-82		0.00	56,732.48
S26A6B6C62		Assemble/Align Mod-Coils A6/B6/C6	62	1	20MAY09*	17AUG09	25MAR09	-82		0.00	53,351.62
Station 3 Setup/Preparations/General											
R1810-2109		Begin Station 3	0	1	12JUN08*			-134		0.00	0.00
R1810-3102		Misc M&S	65	1	03APR08*	03JUL08	03JUL08	1,060		0.00	6,540.00
S31-1.01		Install Station 3 site monuments	3	1	12JUN08	16JUN08	05MAR08	-134		0.00	7,422.60
R1810-3104		Procure 3 legged actuator system	20	1	01SEP07A	28SEP07A	26OCT07		100	54,868.00	54,868.00
S31-1.02		Install floor mounted tracks and VV base support	5	1	08AUG08	14AUG08	12MAR08	-171		0.00	9,319.00
R1810-3106		Load test 3 ledded actuator system	3	1	01FEB08	05FEB08	31OCT07	-44		0.00	7,690.56
R1810-3108		Procure ,Fabricate 3 legged actuator lift fixtur	20	1	01FEB08*	28FEB08	26OCT07	-69		0.00	7,848.00
R1810-3112		Load Test 3 legged actuator lift fixtur	8	1	29FEB08	11MAR08	07NOV07	-69		0.00	10,254.08
S31-1.03		Establish the MCHP CG location.	2	1	15AUG08	18AUG08	14MAR08	-171		0.00	3,204.40
R1810-3150		Fab New legs	4	1	01FEB08*	06FEB08	04OCT07	-55		0.00	5,127.04
S31-2.01		Install MCHP support cart assemblies	5	1	19AUG08	25AUG08	20MAR08	-171		0.00	6,408.80
R1810-3103		Install station 3 platforms (8 required)	4	1	03MAR08	06MAR08	23NOV07	-72		0.00	22,052.32
R1810-3107		Test out station 3 equipment and procedures	4	1	07MAR08	12MAR08	03DEC07	-72		0.00	13,080.00
R1810-3109		Begin assy of first field period assy	2	1	13MAR08	14MAR08	05DEC07	-72		0.00	52,320.00



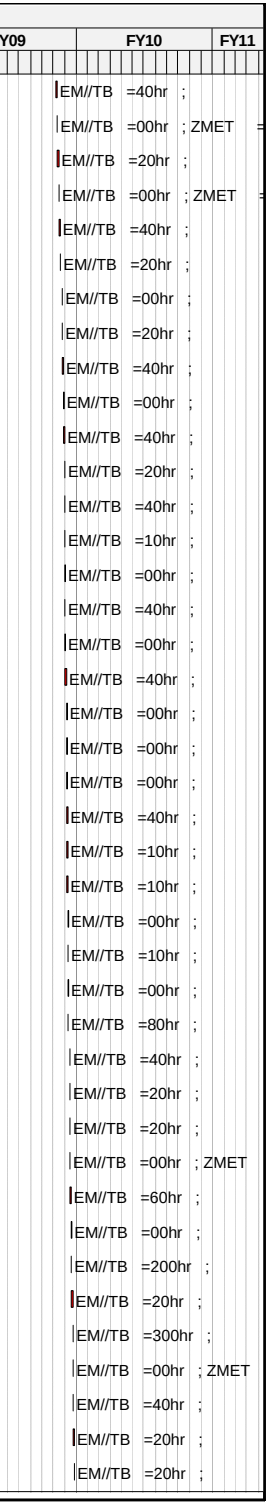
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S31-2.02		Verify cart motion.	4	1	26AUG08	29AUG08	24MAR08	-171		0.00	3,204.40
S31-2.03		Install adjustor bar support weldment	5	1	02SEP08	08SEP08	24MAR08	-171		0.00	0.00
Station 3-Assemble Mod Coils and VVSA-FP#1											
S31-2.04		Position left MCHP on the cart assembly	15	1	09SEP08	29SEP08	12MAY08	-171		0.00	1,602.20
S31-2.05		Secure left MCHP on support cart base.	7	1	30SEP08	08OCT08	14MAY08	-171		0.00	3,284.97
S31-2.06		Measure monuments on left MCHP and walls	1	1	09OCT08	09OCT08	21MAY08	-171		0.00	0.00
S31-2.07		Set positioning stop on the cart	1	1	10OCT08	10OCT08	22MAY08	-171		0.00	1,649.20
S31-3.01		Move right base support cart to its final positi	1	1	13OCT08	13OCT08	23MAY08	-171		0.00	824.60
S31-3.02		Lift the right side MCHP and position	1	1	14OCT08	14OCT08	20JUN08	-171		0.00	1,649.20
S31-3.03		Temporary fasteners bring the parts together.	2	1	15OCT08	16OCT08	20JUN08	-171		0.00	0.00
S31-3.04		AirLoc Wedgemount leveler to take load.	3	1	17OCT08	21OCT08	20JUN08	-171		0.00	0.00
S31-3.05		Install temp scaffolding to install flange hw	2	1	22OCT08	23OCT08	23JUN08	-171		0.00	1,649.20
S31-3.06		Install bolts and shims	7	1	24OCT08	03NOV08	24JUN08	-171		0.00	1,649.20
S31-3.07		Tighten flange fasteners to 50%	1	1	04NOV08	04NOV08	25JUN08	-171		0.00	1,649.20
S31-3.08		Perform metrology measurements	2	1	05NOV08	06NOV08	02JUL08	-171		0.00	0.00
S31-3.09		Perform position adjust on right side MCHP	4	1	07NOV08	12NOV08	07JUL08	-171		0.00	3,298.40
S31-3.1		Verify position of the VV support hanger	3	1	13NOV08	17NOV08	10JUL08	-171		0.00	0.00
S31-3.11		Remove flange hardware and temp platforms	1	1	18NOV08	18NOV08	11JUL08	-171		0.00	1,649.20
S31-4.01		EMeasure monuments on the MCHP's &walls.	2	1	19NOV08	20NOV08	15JUL08	-171		0.00	2,794.00
S31-4.02		Place all of the laser screens	2	1	21NOV08	24NOV08	17JUL08	-171		0.00	3,298.40
S31-4.03		Determine laser alignment.	1	1	25NOV08	25NOV08	18JUL08	-171		0.00	1,649.20
S31-4.04		mount the milar on the screens.	1	1	26NOV08	26NOV08	21JUL08	-171		0.00	0.00
S31-4.05		Disengage MCHP's to move the left MCHP.	1	1	01DEC08	01DEC08	22JUL08	-171		0.00	1,649.20
S31-4.06		Remove both MCHP's.	2	1	02DEC08	03DEC08	24JUL08	-171		0.00	3,298.40
S31-5.01		Remove the adjustor bar support from left side.	0	1	04DEC08	03DEC08	24JUL08	-171		0.00	0.00
S31-5.02		Install VV NBI port support stand.	2	1	04DEC08	05DEC08	28JUL08	-171		0.00	3,298.40
S31-5.03		Install VVSA to base support	1	1	08DEC08	08DEC08	29JUL08	-171		0.00	1,649.20
S31-5.04		Secure the VVSA to base & NBI port sprt stand.	2	1	09DEC08	10DEC08	31JUL08	-171		0.00	3,298.40
S31-6.01		Install bumper protection components on the VV	1	1	11DEC08	11DEC08	01AUG08	-171		0.00	824.60
S31-6.02		Position AirLoc Wedgemount in lower position.	0	1	12DEC08	11DEC08	01AUG08	-171		0.00	0.00
S31-6.03		move the left MCHP over the VV.	2	1	12DEC08	15DEC08	05AUG08	-171		0.00	3,298.40
S31-6.04		Re-install the left adjustor bar.	0	1	16DEC08	15DEC08	05AUG08	-171		0.00	0.00
S31-6.05		Make adjustments to properly align MCHP.	2	1	16DEC08	17DEC08	07AUG08	-171		0.00	3,298.40
S31-6.06		Transfer load to the AirLoc Wedgemount leveler.	0	1	18DEC08	17DEC08	07AUG08	-171		0.00	0.00
S31-6.07		move the MCHP to the left 1/2".	0	1	18DEC08	17DEC08	07AUG08	-171		0.00	0.00
S31-7.01		Position AirLoc Wedgemount lowered position.	0	1	18DEC08	17DEC08	07AUG08	-171		0.00	0.00
S31-7.02		move the right MCHP over the VV	2	1	18DEC08	19DEC08	11AUG08	-171		0.00	3,298.40
S31-7.03		move the left MCHP to its final position.	1	1	22DEC08	22DEC08	12AUG08	-171		0.00	824.60
S31-7.04		engage the preinstalled Type-A flange bushings.	1	1	23DEC08	23DEC08	13AUG08	-171		0.00	824.60
S31-7.05		Temporary fasteners bring the parts together.	0	1	02JAN09	23DEC08	13AUG08	-171		0.00	0.00



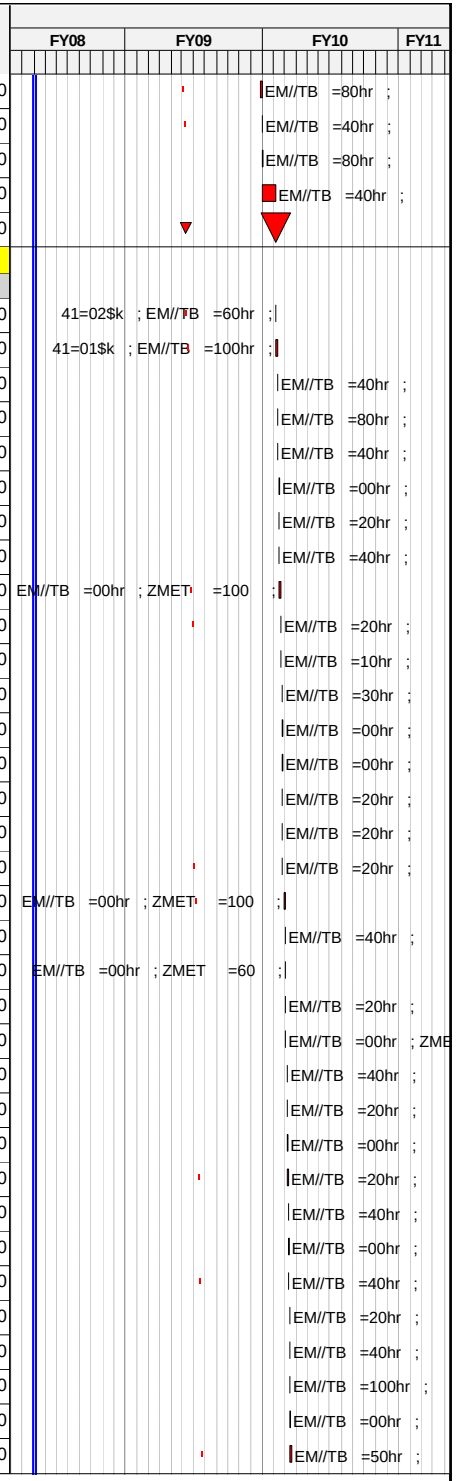
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S31-7.06		AirLoc Wedgemount leveler up to take the load.	1	1	02JAN09	02JAN09	14AUG08	-171		0.00	824.60
S31-7.07		Remove laser screens	0	1	05JAN09	02JAN09	14AUG08	-171		0.00	0.00
S31-7.08		Install temp scaffolding to install flange hw	4	1	05JAN09	08JAN09	20AUG08	-171		0.00	6,596.80
S31-7.09		Install bolts, alumina and inboard weld shims.	2	1	09JAN09	12JAN09	22AUG08	-171		0.00	3,298.40
S31-7.1		Tighten flange fasteners to 50%	1	1	13JAN09	13JAN09	25AUG08	-171		0.00	1,649.20
S31-7.11		"wiggle" test Tighten bolt and recheck.	1	1	14JAN09	14JAN09	26AUG08	-171		0.00	1,649.20
S31-7.12		Perform metrology measurements	5	1	15JAN09	21JAN09	03SEP08	-171		0.00	0.00
S31-7.13		Perform position adjustments right side MCHP	3	1	22JAN09	26JAN09	08SEP08	-171		0.00	4,947.60
S31-7.14		Remove SISSCO actuator from right MCHP.	0	1	27JAN09	26JAN09	08SEP08	-171		0.00	0.00
S31-7.15		Pre-fit & Install bushings	10	1	16JAN09	29JAN09	11SEP08	-171		0.00	16,492.00
S31-7.16		Tighten nuts 100%. & Measure	1	1	30JAN09	30JAN09	12SEP08	-171		0.00	1,649.20
S31-8.01		partially weld the inboard shim.	15	1	02FEB09	20FEB09	03OCT08	-171		0.00	24,738.00
S31-8.02		Final complete MC scan verify period alignment.	5	1	23FEB09	27FEB09	10OCT08	-171		0.00	0.00
S31-9.01		Attach VV permanent vertical supports	2	1	02MAR09	03MAR09	14OCT08	-171		0.00	3,298.40
S31-9.02		Attach temporary VV vertical supports	1	1	04MAR09	04MAR09	15OCT08	-171		0.00	1,649.20
S31-9.03		Transfer load to vertical supports.	1	1	05MAR09	05MAR09	16OCT08	-171		0.00	1,649.20
S31-9.04		Install VV lateral supports and align	4	1	06MAR09	11MAR09	22OCT08	-171		0.00	6,596.80
S31-9.05		Prepare VVSA for transport.	2	1	12MAR09	13MAR09	24OCT08	-171		0.00	3,298.40
S31-10.01		transfer the unit to the transfer support frame	2	1	16MAR09	17MAR09	28OCT08	-171		0.00	6,596.80
S31-10.02		Transfer Period 1 to Station 5 in NCSX TC	65	1	18MAR09	17JUN09	29OCT08	-171		0.00	3,298.40
S31-10.02M	2	Complete 1st MC-VV Assy (Sta 3)	0	1		17JUN09	29OCT08	-171		0.00	0.00
Station 3-Assemble Mod Coils and VVSA-FP#2											
S32-1.01		Install Station 3 site monuments	3	1	18JUN09	22JUN09	03NOV08	-150		0.00	7,741.60
S32-1.02		Install floor mounted tracks and VV base support	5	1	23JUN09	29JUN09	10NOV08	-150		0.00	9,643.00
S32-1.03		Establish the MCHP CG location.	2	1	30JUN09	01JUL09	12NOV08	-150		0.00	3,298.40
S32-2.01		Install MCHP support cart assemblies	4	1	02JUL09	08JUL09	18NOV08	-150		0.00	6,596.80
S32-2.02		Verify cart motion.	2	1	09JUL09	10JUL09	20NOV08	-150		0.00	3,298.40
S32-2.03		Install adjustor bar support weldment	0	1	13JUL09	10JUL09	20NOV08	-150		0.00	0.00
S32-2.04		Position left MCHP on the cart assembly	1	1	13JUL09	13JUL09	01DEC08	-150		0.00	1,649.20
S32-2.05		Secure left MCHP on support cart base.	2	1	14JUL09	15JUL09	03DEC08	-150		0.00	3,298.40
S32-2.06		Measure monuments on left MCHP and walls	5	1	16JUL09	22JUL09	10DEC08	-150		0.00	0.00
S32-2.07		Set positioning stop on the cart	1	1	23JUL09	23JUL09	11DEC08	-150		0.00	1,649.20
S32-3.01		Move right base support cart to its final positi	1	1	24JUL09	24JUL09	12DEC08	-150		0.00	824.60
S32-3.02		Lift the right side MCHP and position	1	1	27JUL09	27JUL09	15DEC08	-150		0.00	1,649.20
S32-3.03		Temporary fasteners bring the parts together.	0	1	28JUL09	27JUL09	15DEC08	-150		0.00	0.00
S32-3.04		AirLoc Wedgemount leveler to take load.	0	1	28JUL09	27JUL09	15DEC08	-150		0.00	0.00
S32-3.05		Install temp scaffolding to install flange hw	1	1	28JUL09	28JUL09	16DEC08	-150		0.00	1,649.20
S32-3.06		Install bolts and shims	1	1	29JUL09	29JUL09	17DEC08	-150		0.00	1,649.20
S32-3.07		Tighten flange fasteners to 50%	1	1	30JUL09	30JUL09	18DEC08	-150		0.00	1,649.20
S32-3.08		Perform metrology measurements	5	1	31JUL09	06AUG09	05JAN09	-150		0.00	0.00



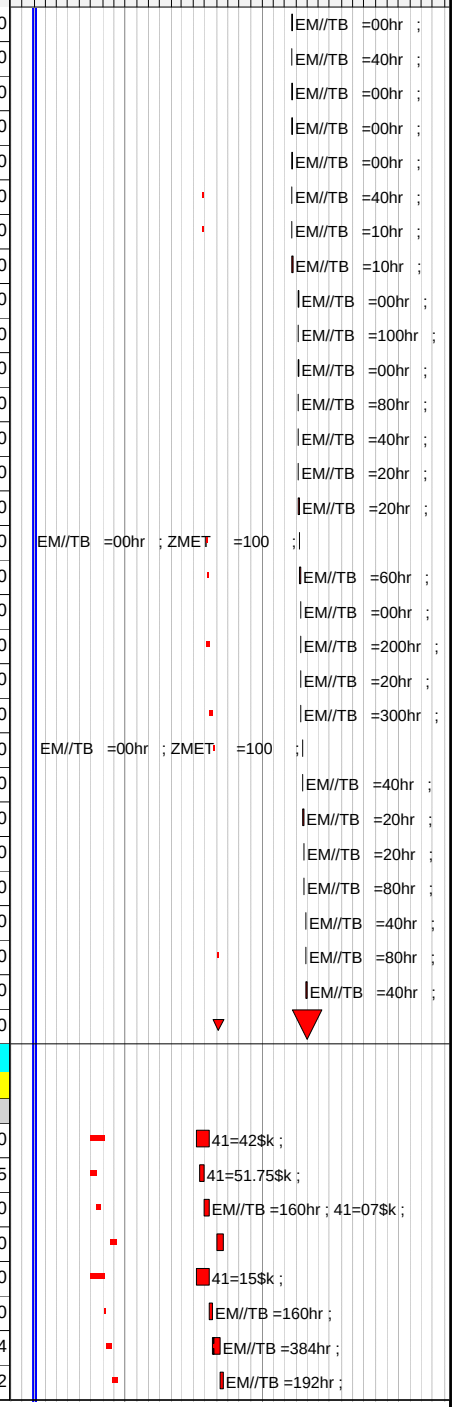
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S32-3.09		Perform position adjust on right side MCHP	2	1	07AUG09	10AUG09	07JAN09	-150		0.00	3,298.40
S32-3.1		Verify position of the VV support hanger	3	1	11AUG09	13AUG09	12JAN09	-150		0.00	0.00
S32-3.11		Remove flange hardware and temp platforms	1	1	14AUG09	14AUG09	13JAN09	-150		0.00	1,649.20
S32-4.01		EMeasure monuments on the MCHP's &walls.	2	1	17AUG09	18AUG09	15JAN09	-150		0.00	2,794.00
S32-4.02		Place all of the laser screens	2	1	19AUG09	20AUG09	19JAN09	-150		0.00	3,298.40
S32-4.03		Determine laser alignment.	1	1	21AUG09	21AUG09	20JAN09	-150		0.00	1,649.20
S32-4.04		mount the milar on the screens.	1	1	24AUG09	24AUG09	21JAN09	-150		0.00	0.00
S32-4.05		Disengage MCHP's to move the left MCHP.	1	1	25AUG09	25AUG09	22JAN09	-150		0.00	1,649.20
S32-4.06		Remove both MCHP's.	2	1	26AUG09	27AUG09	26JAN09	-150		0.00	3,298.40
S32-5.01		Remove the adjustor bar support from left side.	0	1	28AUG09	27AUG09	26JAN09	-150		0.00	0.00
S32-5.02		Install VV NBI port support stand.	2	1	28AUG09	31AUG09	28JAN09	-150		0.00	3,298.40
S32-5.03		Install VVSA to base support	1	1	01SEP09	01SEP09	29JAN09	-150		0.00	1,649.20
S32-5.04		Secure the VVSA to base & NBI port sprt stand.	1	2	02SEP09	02SEP09	30JAN09	-150		0.00	3,298.40
S32-6.01		Install bumper protection components on the VV	1	2	02SEP09	02SEP09	30JAN09	-150		0.00	824.60
S32-6.02		Position AirLoc Wedgemount in lower position.	0	2	03SEP09	02SEP09	30JAN09	-150		0.00	0.00
S32-6.03		move the left MCHP over the VV.	1	2	03SEP09	03SEP09	02FEB09	-150		0.00	3,298.40
S32-6.04		Re-install the left adjustor bar.	0	2	04SEP09	03SEP09	02FEB09	-150		0.00	0.00
S32-6.05		Make adjustments to properly align MCHP.	1	2	04SEP09	04SEP09	03FEB09	-150		0.00	3,298.40
S32-6.06		Transfer load to the AirLoc Wedgemount leveler.	0	2	08SEP09	04SEP09	03FEB09	-150		0.00	0.00
S32-6.07		move the MCHP to the left 1/2".	0	2	08SEP09	04SEP09	03FEB09	-150		0.00	0.00
S32-7.01		Position AirLoc Wedgemount lowered position.	0	2	08SEP09	04SEP09	03FEB09	-150		0.00	0.00
S32-7.02		move the right MCHP over the VV	1	2	08SEP09	08SEP09	04FEB09	-150		0.00	3,298.40
S32-7.03		move the left MCHP to its final position.	1	2	08SEP09	08SEP09	04FEB09	-150		0.00	824.60
S32-7.04		engage the preinstalled Type-A flange bushings.	1	2	08SEP09	08SEP09	04FEB09	-150		0.00	824.60
S32-7.05		Temporary fasteners bring the parts together.	0	2	09SEP09	08SEP09	04FEB09	-150		0.00	0.00
S32-7.06		AirLoc Wedgemount leveler up to take the load.	1	2	09SEP09	09SEP09	05FEB09	-150		0.00	824.60
S32-7.07		Remove laser screens	0	2	10SEP09	09SEP09	05FEB09	-150		0.00	0.00
S32-7.08		Install temp scaffolding to install flange hw	2	2	10SEP09	11SEP09	09FEB09	-150		0.00	6,596.80
S32-7.09		Install bolts, alumina and inboard weld shims.	1	2	14SEP09	14SEP09	10FEB09	-150		0.00	3,298.40
S32-7.1		Tighten flange fasteners to 50%	1	2	15SEP09	15SEP09	11FEB09	-150		0.00	1,649.20
S32-7.11		"wiggle" test Tighten bolt and recheck.	1	2	15SEP09	15SEP09	11FEB09	-150		0.00	1,649.20
S32-7.12		Perform metrology measurements	1	2	16SEP09	16SEP09	13FEB09	-150		0.00	0.00
S32-7.13		Perform position adjustments right side MCHP	1	2	17SEP09	17SEP09	17FEB09	-150		0.00	4,947.60
S32-7.14		Remove SISSCO actuator from right MCHP.	0	2	18SEP09	17SEP09	17FEB09	-150		0.00	0.00
S32-7.15		Pre-fit & Install bushings	1	2	18SEP09	18SEP09	18FEB09	-150		0.00	16,492.00
S32-7.16		Tighten nuts 100%. & Measure	1	2	21SEP09	21SEP09	19FEB09	-150		0.00	1,649.20
S32-8.01		partially weld the inboard shim.	1	2	22SEP09	22SEP09	25FEB09	-150		0.00	24,738.00
S32-8.02		Final complete MC scan verify period alignment.	1	2	23SEP09	23SEP09	27FEB09	-150		0.00	0.00
S32-9.01		Attach VV permanent vertical supports	1	2	24SEP09	24SEP09	02MAR09	-150		0.00	3,298.40
S32-9.02		Attach temporary VV vertical supports	1	2	25SEP09	25SEP09	03MAR09	-150		0.00	1,649.20
S32-9.03		Transfer load to vertical supports.	1	2	28SEP09	28SEP09	04MAR09	-150		0.00	1,649.20



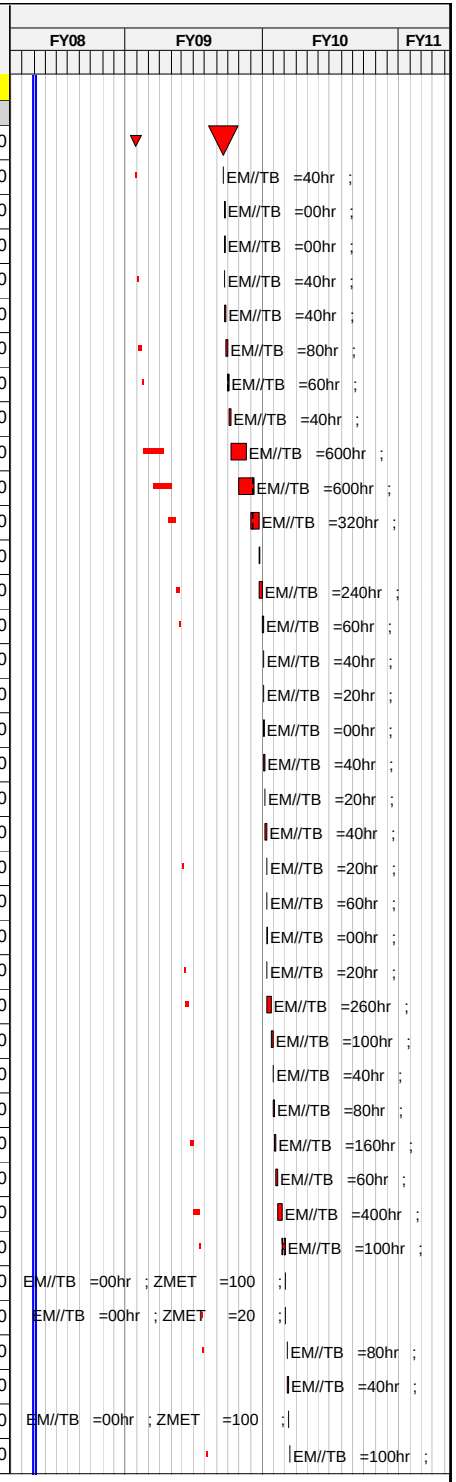
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S32-9.04		Install VV lateral supports and align	1	2	29SEP09	29SEP09	06MAR09	-150		0.00	6,596.80
S32-9.05		Prepare VVSA for transport.	1	2	30SEP09	30SEP09	09MAR09	-150		0.00	3,298.40
S32-10.01		transfer the unit to the transfer support frame	0	2	01OCT09	30SEP09	10MAR09	-150		0.00	0.00
S32-10.02		Transfer Period 2 to Station 5 in NCSX TC	27	2	01OCT09	06NOV09	11MAR09	-150		0.00	0.00
S32-10.02M	2	Complete 2nd MC-VV Assy (Sta 3)	0	2		06NOV09	11MAR09	-150		0.00	0.00
Station 3-Assemble Mod Coils and VVSA-FP#3											
S33-1.01		Install Station 3 site monuments	1	2	09NOV09	09NOV09	13MAR09	-150		0.00	7,979.60
S33-1.02		Install floor mounted tracks and VV base support	1	2	10NOV09	10NOV09	17MAR09	-150		0.00	9,958.00
S33-1.03		Establish the MCHP CG location.	1	2	11NOV09	11NOV09	18MAR09	-150		0.00	3,410.40
S33-2.01		Install MCHP support cart assemblies	1	2	12NOV09	12NOV09	20MAR09	-150		0.00	6,820.80
S33-2.02		Verify cart motion.	1	2	13NOV09	13NOV09	23MAR09	-150		0.00	3,410.40
S33-2.03		Install adjustor bar support weldment	0	2	16NOV09	13NOV09	23MAR09	-150		0.00	0.00
S33-2.04		Position left MCHP on the cart assembly	1	2	16NOV09	16NOV09	24MAR09	-150		0.00	1,705.20
S33-2.05		Secure left MCHP on support cart base.	1	2	17NOV09	17NOV09	25MAR09	-150		0.00	3,410.40
S33-2.06		Measure monuments on left MCHP and walls	1	2	18NOV09	18NOV09	27MAR09	-150		0.00	0.00
S33-2.07		Set positioning stop on the cart	1	2	19NOV09	19NOV09	30MAR09	-150		0.00	1,705.20
S33-3.01		Move right base support cart to its final positi	1	2	20NOV09	20NOV09	31MAR09	-150		0.00	852.60
S33-3.02		Lift the right side MCHP and position	1	2	23NOV09	23NOV09	01APR09	-150		0.00	2,557.80
S33-3.03		Temporary fasteners bring the parts together.	0	2	24NOV09	23NOV09	01APR09	-150		0.00	0.00
S33-3.04		AirLoc Wedgemount leveler to take load.	0	2	24NOV09	23NOV09	01APR09	-150		0.00	0.00
S33-3.05		Install temp scaffolding to install flange hw	1	2	24NOV09	24NOV09	02APR09	-150		0.00	1,705.20
S33-3.06		Install bolts and shims	1	2	24NOV09	24NOV09	02APR09	-150		0.00	1,705.20
S33-3.07		Tighten flange fasteners to 50%	1	2	25NOV09	25NOV09	03APR09	-150		0.00	1,705.20
S33-3.08		Perform metrology measurements	2	2	30NOV09	01DEC09	07APR09	-150		0.00	0.00
S33-3.09		Perform position adjust on right side MCHP	1	2	02DEC09	02DEC09	08APR09	-150		0.00	3,410.40
S33-3.1		Verify position of the VV support hanger	1	2	03DEC09	03DEC09	10APR09	-150		0.00	0.00
S33-3.11		Remove flange hardware and temp platforms	1	2	03DEC09	03DEC09	10APR09	-150		0.00	1,705.20
S33-4.01		EMeasure monuments on the MCHP's &walls.	1	2	04DEC09	04DEC09	13APR09	-150		0.00	2,864.00
S33-4.02		Place all of the laser screens	1	2	07DEC09	07DEC09	14APR09	-150		0.00	3,410.40
S33-4.03		Determine laser alignment.	1	2	08DEC09	08DEC09	15APR09	-150		0.00	1,705.20
S33-4.04		mount the milar on the screens.	0	2	09DEC09	08DEC09	15APR09	-150		0.00	0.00
S33-4.05		Disengage MCHP's to move the left MCHP.	1	2	09DEC09	09DEC09	16APR09	-150		0.00	1,705.20
S33-4.06		Remove both MCHP's.	1	2	10DEC09	10DEC09	17APR09	-150		0.00	3,410.40
S33-5.01		Remove the adjustor bar support from left side.	0	2	11DEC09	10DEC09	17APR09	-150		0.00	0.00
S33-5.02		Install VV NBI port support stand.	1	2	11DEC09	11DEC09	20APR09	-150		0.00	3,410.40
S33-5.03		Install VVSA to base support	1	2	14DEC09	14DEC09	21APR09	-150		0.00	1,705.20
S33-5.04		Secure the VVSA to base & NBI port sprt stand.	1	2	15DEC09	15DEC09	22APR09	-150		0.00	3,410.40
S33-6.01		Install bumper protection components on the VV	1	2	16DEC09	16DEC09	23APR09	-150		0.00	852.60
S33-6.02		Position AirLoc Wedgemount in lower position.	0	2	17DEC09	16DEC09	23APR09	-150		0.00	0.00
S33-6.03		move the left MCHP over the VV.	1	2	17DEC09	17DEC09	24APR09	-150		0.00	4,263.00



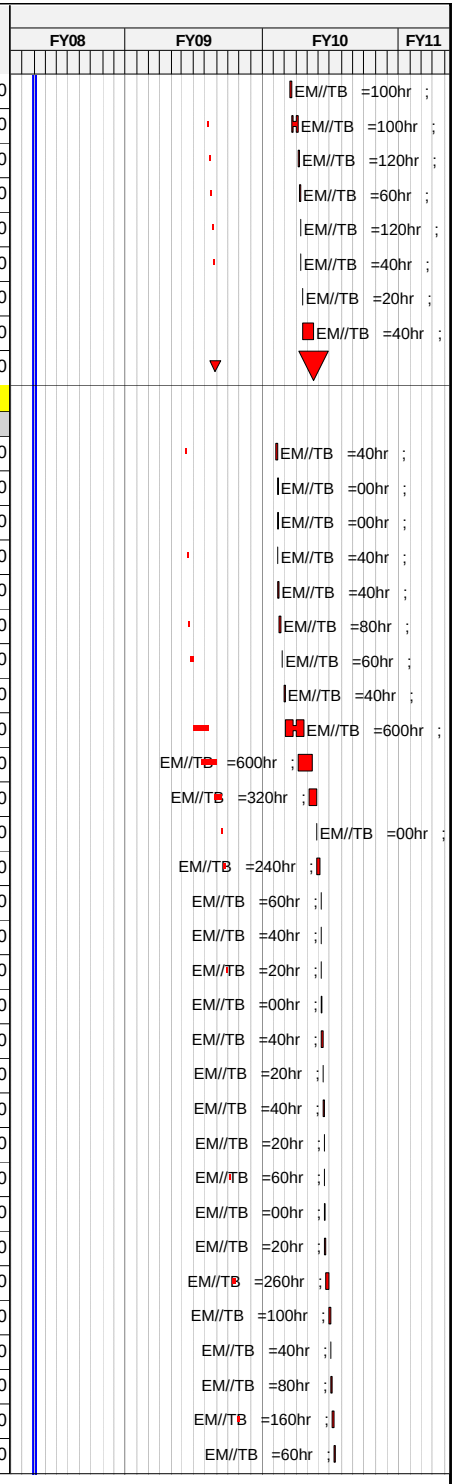
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S33-6.04		Re-install the left adjustor bar.	0	2	18DEC09	17DEC09	24APR09	-150		0.00	0.00
S33-6.05		Make adjustments to properly align MCHP.	1	2	18DEC09	18DEC09	27APR09	-150		0.00	3,410.40
S33-6.06		Transfer load to the AirLoc Wedgemount leveler.	0	2	21DEC09	18DEC09	27APR09	-150		0.00	0.00
S33-6.07		move the MCHP to the left 1/2".	0	2	21DEC09	18DEC09	27APR09	-150		0.00	0.00
S33-7.01		Position AirLoc Wedgemount lowered position.	0	2	21DEC09	18DEC09	27APR09	-150		0.00	0.00
S33-7.02		move the right MCHP over the VV	1	2	21DEC09	21DEC09	28APR09	-150		0.00	3,410.40
S33-7.03		move the left MCHP to its final position.	1	2	21DEC09	21DEC09	28APR09	-150		0.00	852.60
S33-7.04		engage the preinstalled Type-A flange bushings.	1	2	22DEC09	22DEC09	29APR09	-150		0.00	852.60
S33-7.05		Temporary fasteners bring the parts together.	0	2	04JAN10	22DEC09	29APR09	-150		0.00	0.00
S33-7.06		AirLoc Wedgemount leveler up to take the load.	1	2	04JAN10	04JAN10	30APR09	-150		0.00	852.60
S33-7.07		Remove laser screens	0	2	05JAN10	04JAN10	30APR09	-150		0.00	0.00
S33-7.08		Install temp scaffolding to install flange hw	1	2	04JAN10	04JAN10	30APR09	-150		0.00	6,820.80
S33-7.09		Install bolts, alumina and inboard weld shims.	1	2	05JAN10	05JAN10	01MAY09	-150		0.00	3,410.40
S33-7.1		Tighten flange fasteners to 50%	1	2	06JAN10	06JAN10	04MAY09	-150		0.00	1,705.20
S33-7.11		"wiggle" test Tighten bolt and recheck.	1	2	07JAN10	07JAN10	05MAY09	-150		0.00	1,705.20
S33-7.12		Perform metrology measurements	1	2	08JAN10	08JAN10	07MAY09	-150		0.00	0.00
S33-7.13		Perform position adjustments right side MCHP	1	2	11JAN10	11JAN10	11MAY09	-150		0.00	5,115.60
S33-7.14		Remove SISSCO actuator from right MCHP.	1	2	12JAN10	12JAN10	11MAY09	-150		0.00	0.00
S33-7.15		Pre-fit & Install bushing.	1	2	13JAN10	13JAN10	12MAY09	-150		0.00	17,052.00
S33-7.16		Tighten nuts 100%. & Measure	1	2	14JAN10	14JAN10	13MAY09	-150		0.00	1,705.20
S33-8.01		partially weld the inboard shim.	1	2	15JAN10	15JAN10	22MAY09	-150		0.00	25,578.00
S33-8.02		Final complete MC scan verify period alignment.	1	2	18JAN10	18JAN10	28MAY09	-150		0.00	0.00
S33-9.01		Attach VV permanent vertical supports	1	2	19JAN10	19JAN10	29MAY09	-150		0.00	3,410.40
S33-9.02		Attach temporary VV vertical supports	1	2	20JAN10	20JAN10	01JUN09	-150		0.00	1,705.20
S33-9.03		Transfer load to vertical supports.	1	2	21JAN10	21JAN10	02JUN09	-150		0.00	1,705.20
S33-9.04		Install VV lateral supports and align	1	2	22JAN10	22JAN10	03JUN09	-150		0.00	6,820.80
S33-9.05		Prepare VVSA for transport.	1	2	25JAN10	25JAN10	04JUN09	-150		0.00	3,410.40
S33-10.01		transfer the unit to the transfer support frame	1	2	26JAN10	26JAN10	05JUN09	-150		0.00	6,820.80
S33-10.02		Transfer Period 3 to Station 5 in NCSX TC	2	2	27JAN10	28JAN10	08JUN09	-150		0.00	3,410.40
S33-10.02M	2	Complete 3rd MC-VV Assy (Sta 3)	0	2		28JAN10	08JUN09	-150		0.00	0.00
Job: 1815 - Field Period Assy -Station 5-VIOLA											
Setup/Preparations/General											
R1810-5101		MTM NCR hardware re-purchase	25	1	10APR09*	14MAY09	05AUG08	-171		0.00	58,674.00
R1810-5102		Monuments,reflectors,CCR's	10	1	17APR09*	30APR09	15JUL08	-171		0.00	72,294.75
R1810-5103		metrology network in NCSX TC	10	1	01MAY09	14MAY09	29JUL08	-171		0.00	22,972.60
R1810-5104		Misc for tooling	10	1	04JUN09*	17JUN09	08SEP08	-171		0.00	0.00
R1810-5112		Weld wire & welding supplies	25	1	10APR09*	14MAY09	05AUG08	-171		0.00	20,955.00
R1810-5106		Testout Sta 5 equipt & procedures	5	1	15MAY09	21MAY09	12AUG08	-171		0.00	13,193.60
R1810-5107		Check 3 sled interfaces adjust holes	12	1	22MAY09	09JUN09	28AUG08	-171		0.00	31,664.64
R1810-5108		Fixtures installed-final metrology	6	1	10JUN09	17JUN09	08SEP08	-171		0.00	15,832.32



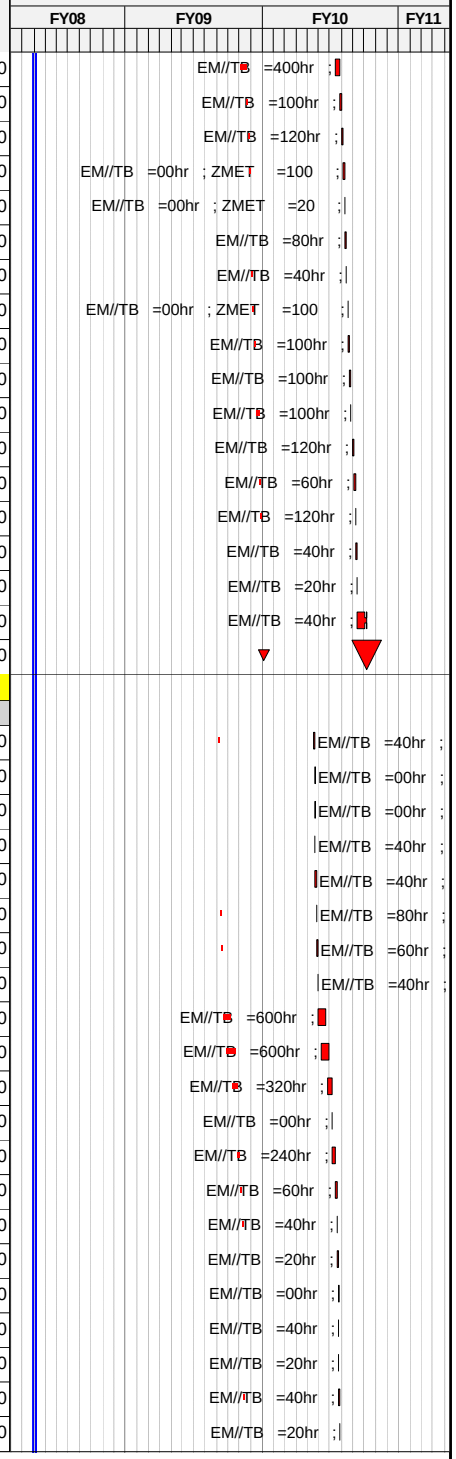
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
Station 5- Final FP Assy -FP#1 (in NCSX TC)											
R1810-5109		Begin Station 5 Operations	0	1		17JUN09	29OCT08	-171		0.00	0.00
S51-1.01		cut off short dome	2	1	18JUN09	19JUN09	31OCT08	-171		0.00	3,298.40
S51-1.02		Install insulation system around all ports.	0	1	22JUN09	19JUN09	31OCT08	-171		0.00	0.00
S51-1.03		Install heat tape and theomocouples on all ports	0	1	22JUN09	19JUN09	31OCT08	-171		0.00	0.00
S51-2.01		Install period support fixture	2	1	22JUN09	23JUN09	04NOV08	-171		0.00	3,298.40
S51-2.02		Install FPA on support stand.	2	1	24JUN09	25JUN09	06NOV08	-171		0.00	3,298.40
S51-2.03		Install external working platforms	4	1	26JUN09	01JUL09	12NOV08	-171		0.00	6,596.80
S51-2.04		Install internal VV working platforms	3	1	02JUL09	07JUL09	17NOV08	-171		0.00	4,947.60
S51-3.01		Install the domes (left and right side),	2	1	08JUL09	09JUL09	19NOV08	-171		0.00	3,298.40
S51-3.02		Install small dome ports remaining circ ports.	30	1	10JUL09	20AUG09	13JAN09	-171		0.00	49,476.00
S51-3.03		Leak check each port after it is welded.	30	1	31JUL09	11SEP09	03FEB09	-171		0.00	49,476.00
S51-4.01		Install boots on ports except for the two port	16	1	01SEP09	23SEP09	13FEB09	-171		0.00	26,387.20
S51-5.01		Install MC lead connections to MC's (in job 7503	0	1	24SEP09	23SEP09	13FEB09	-171		0.00	0.00
S51-5.02		Install MC coolant lines on each MC	6	2	24SEP09	01OCT09	23FEB09	-171		0.00	19,902.40
S51-5.03		Platforms may need to be altered	2	2	02OCT09	05OCT09	25FEB09	-171		0.00	5,115.60
S51-6.01		Rotate 2 TF coils over the MC on the right side	1	2	06OCT09	06OCT09	26FEB09	-171		0.00	3,410.40
S51-6.02		Attach the temp support at end of Type-C MC	1	2	07OCT09	07OCT09	27FEB09	-171		0.00	1,705.20
S51-6.03		Lower leveler pad disengage base of MC right sid	0	2	08OCT09	07OCT09	27FEB09	-171		0.00	0.00
S51-6.04		Install TF support brackets	1	2	08OCT09	08OCT09	02MAR09	-171		0.00	3,410.40
S51-6.05		Secure First TF assy	1	2	09OCT09	09OCT09	03MAR09	-171		0.00	1,705.20
S51-6.06		Install TF support brackets	1	2	12OCT09	12OCT09	04MAR09	-171		0.00	3,410.40
S51-6.07		Secure 2nd TF coil	1	2	13OCT09	13OCT09	05MAR09	-171		0.00	1,705.20
S51-6.08		Install machine support plates	1	2	14OCT09	14OCT09	06MAR09	-171		0.00	5,115.60
S51-6.09		Reinstall leveler pad	0	2	15OCT09	14OCT09	06MAR09	-171		0.00	0.00
S51-6.1		Installed one side of the TF support brackets	1	2	15OCT09	15OCT09	09MAR09	-171		0.00	1,705.20
S51-7.01		The TF installation on the left side	7	2	16OCT09	26OCT09	18MAR09	-171		0.00	22,167.60
S51-8.01		Perform a fit-up check of the four TF coils	2	2	27OCT09	28OCT09	20MAR09	-171		0.00	8,526.00
S51-9.01		Tack weld the left and right port 4's.	1	2	29OCT09	29OCT09	23MAR09	-171		0.00	3,410.40
S51-9.02		Install boots on both port 4's.	2	2	30OCT09	02NOV09	25MAR09	-171		0.00	6,820.80
S51-10.01		Install PF coil support structure	4	2	03NOV09	06NOV09	31MAR09	-171		0.00	13,641.60
S51-11.01		Install tMC coolant manifold	2	2	09NOV09	10NOV09	02APR09	-171		0.00	5,115.60
S51-11.02		Connect MC coolant lines to the manifold	10	2	11NOV09	24NOV09	16APR09	-171		0.00	34,104.00
S51-12.01		Install Rogowski coils	3	2	25NOV09	01DEC09	21APR09	-171		0.00	8,526.00
S51-13.01		Obtain set of Period 1 align fiducial positions	2	2	02DEC09	03DEC09	23APR09	-171		0.00	0.00
S51-13.02		align to tooling balls on each MCHP	1	2	04DEC09	04DEC09	24APR09	-171		0.00	0.00
S51-13.03		bring the VV into proper alignment	2	2	07DEC09	08DEC09	28APR09	-171		0.00	6,820.80
S51-13.04		Install or identify three primary fiducials	1	2	09DEC09	09DEC09	29APR09	-171		0.00	3,410.40
S51-13.05		Make a final measurement of all fiducials	2	2	10DEC09	11DEC09	01MAY09	-171		0.00	0.00
S51-13.11		Check Assembly (bolts, etc)	3	2	14DEC09	16DEC09	06MAY09	-171		0.00	8,526.00



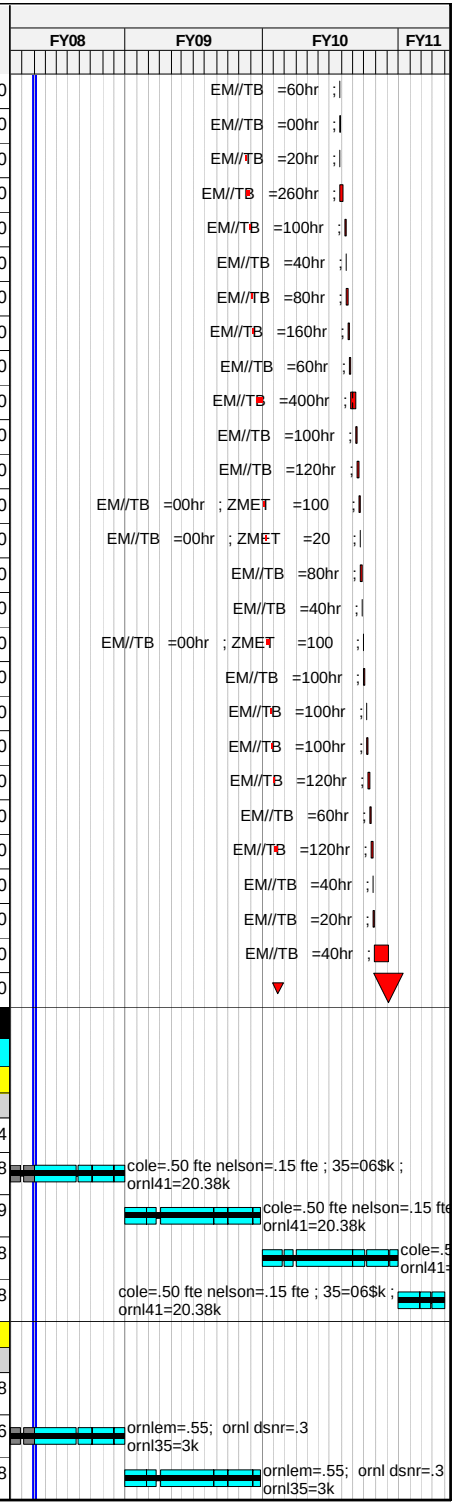
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S51-13.12		Check Diagnostics (Loops, thermocouples)	2	2	17DEC09	18DEC09	08MAY09	-171		0.00	8,526.00
S51-13.13		Check manifolds (pressure, flow, etc.)	3	2	21DEC09	04JAN10	13MAY09	-171		0.00	8,526.00
S51-13.14		Check 6 modcoils (voltage etc)	3	2	05JAN10	07JAN10	18MAY09	-171		0.00	10,231.20
S51-13.15		Check trim coils (voltage etc)	2	2	08JAN10	11JAN10	20MAY09	-171		0.00	5,115.60
S51-13.16		Check TF coils (voltage etc)	3	2	12JAN10	14JAN10	26MAY09	-171		0.00	10,231.20
S51-14.01		Install crane rigging to completed Period assy	1	2	15JAN10	15JAN10	27MAY09	-171		0.00	3,410.40
S51-14.02		Remove platforms	1	2	18JAN10	18JAN10	28MAY09	-171		0.00	1,705.20
S51-14.03		Transfer Period 1 to Station 6 in NCSX tTC.	22	2	19JAN10	17FEB10	29MAY09	-171		0.00	3,410.40
S51-14.03M	2	Complete 1st Field Period Assy (Sat. 5)	0	2		17FEB10	29MAY09	-171		0.00	0.00
Station 5- Final FP Assy -FP#2 (in NCSX TC)											
S52-1.01		cut off short dome	2	1	09NOV09	10NOV09	13MAR09	-144		0.00	3,410.40
S52-1.02		Install insulation system around all ports.	0	1	11NOV09	10NOV09	13MAR09	-144		0.00	0.00
S52-1.03		Install heat tape and theomocouples on all ports	0	1	11NOV09	10NOV09	13MAR09	-144		0.00	0.00
S52-2.01		Install period support fixture	2	1	11NOV09	12NOV09	17MAR09	-144		0.00	3,410.40
S52-2.02		Install FPA on support stand.	2	1	13NOV09	16NOV09	19MAR09	-144		0.00	3,410.40
S52-2.03		Install external working platforms	4	1	17NOV09	20NOV09	25MAR09	-144		0.00	6,820.80
S52-2.04		Install internal VV working platforms	3	1	23NOV09	25NOV09	30MAR09	-144		0.00	5,115.60
S52-3.01		Install the domes (left and right side),	2	1	30NOV09	01DEC09	01APR09	-144		0.00	3,410.40
S52-3.02		Install small dome ports remaining circ ports.	30	1	02DEC09	22JAN10	13MAY09	-144		0.00	51,156.00
S52-3.03		Leak check each port after it is welded.	30	1	04JAN10	12FEB10	04JUN09	-144		0.00	51,156.00
S52-4.01		Install boots on ports except for the two port	16	1	03FEB10	24FEB10	16JUN09	-144		0.00	27,283.20
S52-5.01		Install MC lead connections on each of the MC's	1	2	25FEB10	25FEB10	17JUN09	-144		0.00	0.00
S52-5.02		Install MC coolant lines on each MC	6	2	26FEB10	05MAR10	25JUN09	-144		0.00	20,462.40
S52-5.03		Platforms may need to be altered	1	2	08MAR10	08MAR10	26JUN09	-144		0.00	5,115.60
S52-6.01		Rotate 2 TF coils over the MC on the right side	1	2	09MAR10	09MAR10	29JUN09	-144		0.00	3,410.40
S52-6.02		Attach the temp support at end of Type-C MC	1	2	10MAR10	10MAR10	30JUN09	-144		0.00	1,705.20
S52-6.03		Lower leveler pad disengage base of MC right sid	0	2	11MAR10	10MAR10	30JUN09	-144		0.00	0.00
S52-6.04		Install TF support brackets	1	2	11MAR10	11MAR10	01JUL09	-144		0.00	3,410.40
S52-6.05		Secure First TF assy	1	2	12MAR10	12MAR10	02JUL09	-144		0.00	1,705.20
S52-6.06		Install TF support brackets	1	2	15MAR10	15MAR10	06JUL09	-144		0.00	3,410.40
S52-6.07		Secure 2nd TF coil	1	2	16MAR10	16MAR10	07JUL09	-144		0.00	1,705.20
S52-6.08		Install machine support plates	2	2	17MAR10	18MAR10	09JUL09	-144		0.00	5,115.60
S52-6.09		Reinstall leveler pad	0	2	19MAR10	18MAR10	09JUL09	-144		0.00	0.00
S52-6.1		Installed one side of the TF support brackets	1	2	19MAR10	19MAR10	10JUL09	-144		0.00	1,705.20
S52-7.01		The TF installation on the left side	6	2	22MAR10	29MAR10	20JUL09	-144		0.00	22,167.60
S52-8.01		Perform a fit-up check of the four TF coils	3	2	30MAR10	01APR10	23JUL09	-144		0.00	8,526.00
S52-9.01		Tack weld the left and right port 4's.	1	2	02APR10	02APR10	24JUL09	-144		0.00	3,410.40
S52-9.02		Install boots on both port 4's.	2	2	05APR10	06APR10	28JUL09	-144		0.00	6,820.80
S52-10.01		Install PF coil support structure	4	2	07APR10	12APR10	03AUG09	-144		0.00	13,641.60
S52-11.01		Install tMC coolant manifold	2	2	13APR10	14APR10	05AUG09	-144		0.00	5,115.60



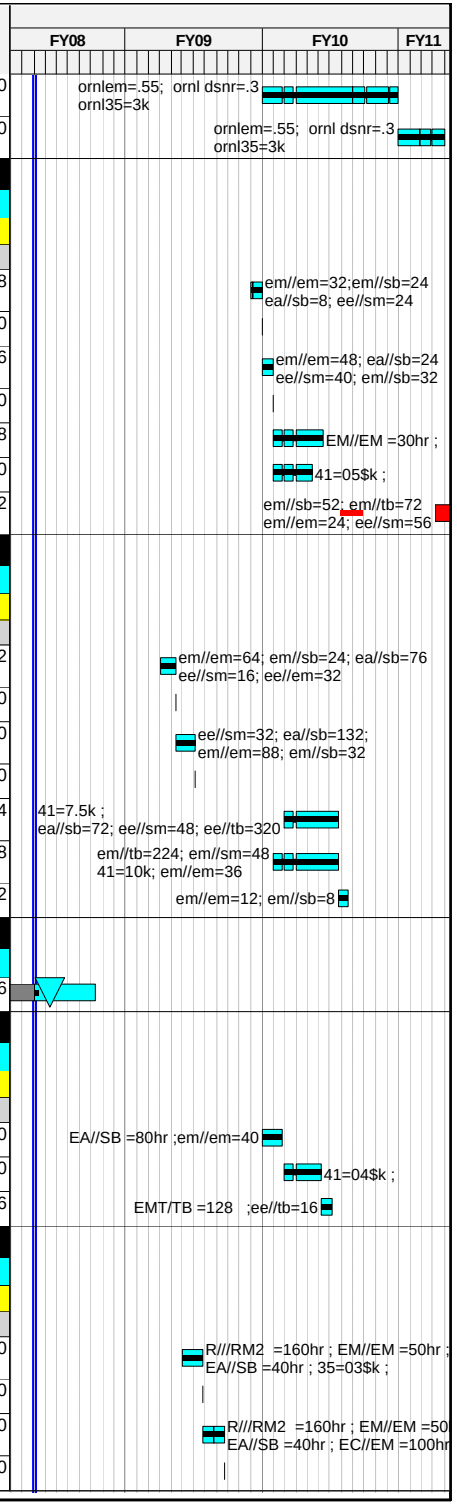
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S52-11.02		Connect MC coolant lines to the manifold	10	2	15APR10	28APR10	19AUG09	-144		0.00	34,104.00
S52-12.01		Install Rogowski coils	3	2	29APR10	03MAY10	24AUG09	-144		0.00	8,526.00
S21-9.01		Install trim coil and supports	3	2	04MAY10	06MAY10	27AUG09	-144		0.00	10,231.20
S52-13.01		Obtain set of Period 1 align fiducial positions	2	2	07MAY10	10MAY10	31AUG09	-144		0.00	0.00
S52-13.02		align to tooling balls on each MCHP	1	2	11MAY10	11MAY10	01SEP09	-144		0.00	0.00
S52-13.03		bring the VV into proper alignment	2	2	12MAY10	13MAY10	03SEP09	-144		0.00	6,820.80
S52-13.04		Install or identify three primary fiducials	1	2	14MAY10	14MAY10	04SEP09	-144		0.00	3,410.40
S52-13.05		Make a final measurement of all fiducials	2	2	17MAY10	18MAY10	09SEP09	-144		0.00	0.00
S52-13.11		Check Assembly (bolts, etc)	3	2	19MAY10	21MAY10	14SEP09	-144		0.00	8,526.00
S52-13.12		Check Diagnostics (Loops, thermocouples)	2	2	24MAY10	25MAY10	16SEP09	-144		0.00	8,526.00
S52-13.13		Check manifolds (pressure, flow, etc.)	3	2	26MAY10	28MAY10	21SEP09	-144		0.00	8,526.00
S52-13.14		Check 6 modcoils (voltage etc)	3	2	01JUN10	03JUN10	24SEP09	-144		0.00	10,231.20
S52-13.15		Check trim coils (voltage etc)	2	2	04JUN10	07JUN10	28SEP09	-144		0.00	5,115.60
S52-13.16		Check TF coils (voltage etc)	2	2	08JUN10	09JUN10	30SEP09	-144		0.00	10,231.20
S52-14.01		Install crane rigging to completed Period assy	1	2	10JUN10	10JUN10	01OCT09	-144		0.00	3,410.40
S52-14.02		Remove platforms	1	2	11JUN10	11JUN10	02OCT09	-144		0.00	1,705.20
S52-14.03		Transfer Period 2 to Station 6 in NCSX tTC.	19	2	14JUN10	09JUL10	05OCT09	-144		0.00	3,410.40
S52-14.03M	2	Complete 2nd Field Period Assy. (Sta.5)	0	2		09JUL10	05OCT09	-144		0.00	0.00
Station 5- Final FP Assy -FP#3 (in NCSX TC)											
S53-1.01		cut off short dome	1	2	18FEB10	18FEB10	09JUN09	-164		0.00	3,410.40
S53-1.02		Install insulation system around all ports.	0	2	19FEB10	18FEB10	09JUN09	-164		0.00	0.00
S53-1.03		Install heat tape and theomocouples on all ports	0	2	19FEB10	18FEB10	09JUN09	-164		0.00	0.00
S53-2.01		Install period support fixture	1	2	19FEB10	19FEB10	10JUN09	-164		0.00	3,410.40
S53-2.02		Install FPA on support stand.	1	2	22FEB10	22FEB10	11JUN09	-164		0.00	3,410.40
S53-2.03		Install external working platforms	2	2	23FEB10	24FEB10	15JUN09	-164		0.00	6,820.80
S53-2.04		Install internal VV working platforms	2	2	25FEB10	26FEB10	17JUN09	-164		0.00	5,115.60
S53-3.01		Install the domes (left and right side),	1	2	01MAR10	01MAR10	18JUN09	-164		0.00	3,410.40
S53-3.02		Install small dome ports remaining circ ports.	15	2	02MAR10	22MAR10	10JUL09	-164		0.00	51,156.00
S53-3.03		Leak check each port after it is welded.	15	2	11MAR10	31MAR10	21JUL09	-164		0.00	51,156.00
S53-4.01		Install boots on ports except for the two port	8	2	26MAR10	06APR10	27JUL09	-164		0.00	27,283.20
S53-5.01		Install MC lead connections on each of the MC's	1	2	07APR10	07APR10	28JUL09	-164		0.00	0.00
S53-5.02		Install MC coolant lines on each MC	6	2	08APR10	15APR10	05AUG09	-164		0.00	20,462.40
S53-5.03		Platforms may need to be altered	2	2	16APR10	19APR10	07AUG09	-164		0.00	5,115.60
S53-6.01		Rotate 2 TF coils over the MC on the right side	1	2	20APR10	20APR10	10AUG09	-164		0.00	3,410.40
S53-6.02		Attach the temp support at end of Type-C MC	1	2	21APR10	21APR10	11AUG09	-164		0.00	1,705.20
S53-6.03		Lower leveler pad disengage base of MC right sid	0	2	22APR10	21APR10	11AUG09	-164		0.00	0.00
S53-6.04		Install TF support brackets	1	2	22APR10	22APR10	12AUG09	-164		0.00	3,410.40
S53-6.05		Secure First TF assy	1	2	23APR10	23APR10	13AUG09	-164		0.00	1,705.20
S53-6.06		Install TF support brackets	1	2	26APR10	26APR10	14AUG09	-164		0.00	3,410.40
S53-6.07		Secure 2nd TF coil	1	2	27APR10	27APR10	17AUG09	-164		0.00	1,705.20



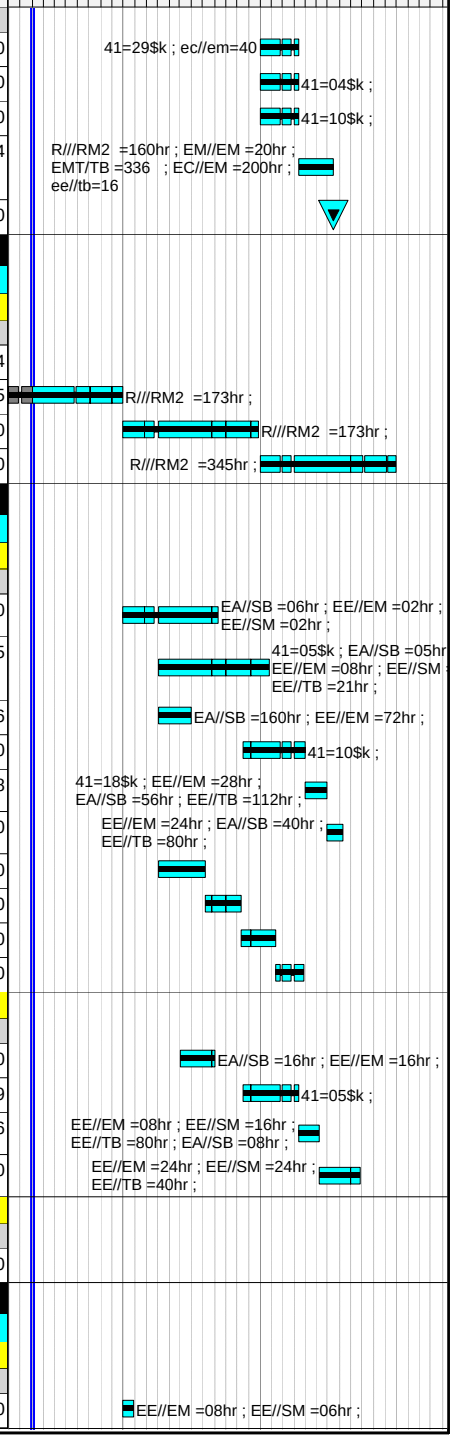
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
S53-6.08		Install machine support plates	1	2	28APR10	28APR10	18AUG09	-164		0.00	5,115.60
S53-6.09		Reinstall leveler pad	0	2	29APR10	28APR10	18AUG09	-164		0.00	0.00
S53-6.1		Installed one side of the TF support brackets	1	2	29APR10	29APR10	19AUG09	-164		0.00	1,705.20
S53-7.01		The TF installation on the left side	6	2	30APR10	07MAY10	27AUG09	-164		0.00	22,167.60
S53-8.01		Perform a fit-up check of the four TF coils	3	2	10MAY10	12MAY10	01SEP09	-164		0.00	8,526.00
S53-9.01		Tack weld the left and right port 4's.	1	2	13MAY10	13MAY10	02SEP09	-164		0.00	3,410.40
S53-9.02		Install boots on both port 4's.	2	2	14MAY10	17MAY10	04SEP09	-164		0.00	6,820.80
S53-10.01		Install PF coil support structure	4	2	18MAY10	21MAY10	11SEP09	-164		0.00	13,641.60
S53-11.01		Install tMC coolant manifold	2	2	24MAY10	25MAY10	15SEP09	-164		0.00	5,115.60
S53-11.02		Connect MC coolant lines to the manifold	10	2	26MAY10	09JUN10	29SEP09	-164		0.00	34,104.00
S53-12.01		Install Rogowski coils	3	2	10JUN10	14JUN10	02OCT09	-164		0.00	8,526.00
S22-9.01		Install trim coil	3	2	15JUN10	17JUN10	07OCT09	-164		0.00	10,231.20
S53-13.01		Obtain set of Period 1 align fiducial positions	2	2	18JUN10	21JUN10	09OCT09	-164		0.00	0.00
S53-13.02		align to tooling balls on each MCHP	1	2	22JUN10	22JUN10	12OCT09	-164		0.00	0.00
S53-13.03		bring the VV into proper alignment	2	2	23JUN10	24JUN10	14OCT09	-164		0.00	6,820.80
S53-13.04		Install or identify three primary fiducials	1	2	25JUN10	25JUN10	15OCT09	-164		0.00	3,410.40
S53-13.05		Make a final measurement of all fiducials	3	2	28JUN10	30JUN10	20OCT09	-164		0.00	0.00
S53-13.11		Check Assembly (bolts, etc)	2	2	01JUL10	02JUL10	22OCT09	-164		0.00	8,526.00
S53-13.12		Check Diagnostics (Loops, thermocouples)	3	2	06JUL10	08JUL10	27OCT09	-164		0.00	8,526.00
S53-13.13		Check manifolds (pressure, flow, etc.)	2	2	09JUL10	12JUL10	29OCT09	-164		0.00	8,526.00
S53-13.14		Check 6 modcoils (voltage etc)	3	2	13JUL10	15JUL10	03NOV09	-164		0.00	10,231.20
S53-13.15		Check trim coils (voltage etc)	2	2	16JUL10	19JUL10	05NOV09	-164		0.00	5,115.60
S53-13.16		Check TF coils (voltage etc)	3	2	20JUL10	22JUL10	10NOV09	-164		0.00	10,231.20
S53-14.01		Install crane rigging to completed Period assy	1	2	23JUL10	23JUL10	11NOV09	-164		0.00	3,410.40
S53-14.02		Remove platforms	1	2	26JUL10	26JUL10	12NOV09	-164		0.00	1,705.20
S53-14.03		Transfer Period 3 to Station 6 in NCSX tTC.	29	2	27JUL10	03SEP10	13NOV09	-164		0.00	3,410.40
R1810-5333		Last field period assembled	0	2		03SEP10	13NOV09	-164		0.00	0.00
19 - Stellarator Core Management and Integration											
Job: 1901 - Stellarator Core Mngtt&Integr-COLE											
191 - Stellarator Core Management & Oversight											
1901-07		WBS 191 FY07 LOE	106*	1	01MAY07A	28SEP07A	28SEP07		LOE	77,380.44	77,380.44
1901-08		WBS 191 FY08 LOE	249*	1	01OCT07A	29SEP08	29SEP08	1,000	LOE	66,913.60	208,453.58
1901-09		WBS 191 FY09 LOE	247*	1	01OCT08*	28SEP09	28SEP09	752	LOE	0.00	221,094.09
1901-10		WBS 191 FY10 SA LOE	248*	1	01OCT09*	30SEP10	30SEP10	502	LOE	0.00	229,029.48
1901-11		WBS 191 FY10 LOE	79*	1	01OCT10*	31JAN11	31JAN11	423	LOE	0.00	95,379.48
192 - Stellarator Core Integration & Analysis											
1902-07		WBS 192 FY07	106*	1	01MAY07A	28SEP07A	28SEP07		LOE	84,180.68	84,180.68
1902-08		WBS 192 FY08	249*	1	01OCT07A	29SEP08	29SEP08	1,000	LOE	64,175.79	199,924.56
1902-09		WBS 192 FY09	247*	1	01OCT08*	28SEP09	28SEP09	752	LOE	0.00	210,949.08



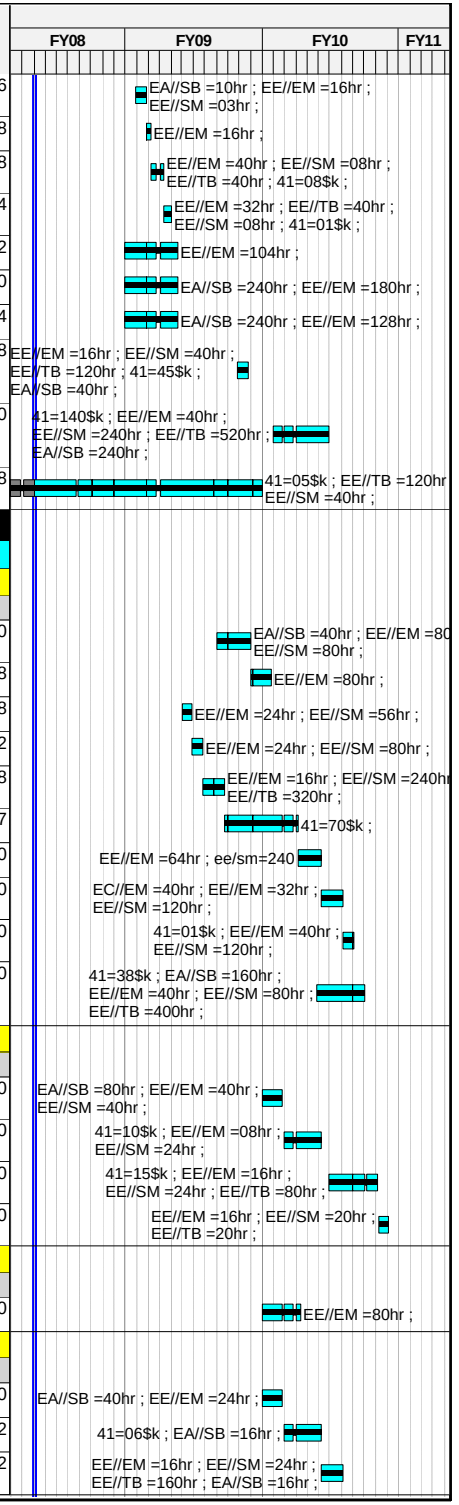
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
1902-10		WBS 192 FY10	248*	1	01OCT09*	30SEP10	30SEP10	502	LOE	0.00	219,015.60
1902-11		WBS 192 FY10	79*	1	01OCT10*	31JAN11	31JAN11	423	LOE	0.00	74,333.10
21 - Fueling Systems											
Job: 2101 - Fueling Systems-BLANCHARD											
211-101		Preliminary Design	20		01SEP09*	29SEP09	29SEP09	55		0.00	12,552.88
211-105		Gas Fueling - PDR	1		30SEP09	30SEP09	30SEP09	55		0.00	0.00
211-109		Final Design	20		01OCT09	28OCT09	28OCT09	55		0.00	21,133.36
211-113		Gas Fueling - FDR	1		29OCT09	29OCT09	29OCT09	55		0.00	0.00
211-117		Title III	85		30OCT09	11MAR10	11MAR10	644	LOE	0.00	2,738.08
211-121		Procure Material and Supplies	65		30OCT09	11FEB10	11FEB10	55		0.00	7,160.00
211-125		Fabricate/Install/Test	40		07JAN11	03MAR11	23JUN10	-169		0.00	25,744.72
22 - Torus Vacuum Pumping Systems											
Job: 2201 - Vacuum Pumping Systems-BLANCHARD											
220-101		Preliminary Design	30		02JAN09*	12FEB09	12FEB09	190		0.00	30,783.52
220-105		Torus Vacuum Pumping - PDR	1	R	13FEB09	13FEB09	13FEB09	190		0.00	0.00
220-109		Final Design	35		16FEB09	03APR09	03APR09	190		0.00	39,214.80
220-113		Torus Vacuum Pumping - FDR	1	R	06APR09	06APR09	06APR09	190		0.00	0.00
220-117		Procure/Install AC pwr & Instrumentation	95		01DEC09*	22APR10	22APR10	25		0.00	53,724.64
220-133		Procure/Install VPS mechanical	115		30OCT09	22APR10	22APR10	25		0.00	45,270.28
220-137		Test	20		23APR10*	20MAY10	20MAY10	25		0.00	3,002.12
31 - Magnetic Diagnostics											
+ Job: 3101 - Magnetic Diagnostics-STRATTON											
			299		01MAY07A	10JUL08	14FEB08	1,056		221,152.39	293,225.66
36 - Edge and Divertor Diagnostics											
Job: 3601 - Edge Divertor Diagnostics-STRATTON											
361-001		Design Visible Camera sys	40		01OCT09*	25NOV09	25NOV09	51		0.00	17,054.80
361-015		Procure flange,window and material	65		30NOV09	10MAR10	10MAR10	51		0.00	5,012.00
361-016		fabricate and assemble Visible tv camera sys	20		11MAR10	07APR10	07APR10	51		0.00	8,828.96
38 - Electron Beam (EB) Mapping											
Job: 3801 - Electron Beam Mapping-STRATTON											
Y											
380-010		E-beam mapping- Prelim Design	40		02MAR09*	24APR09	24APR09	114		0.00	44,761.80
380-015		E-beam mapping - PDR	1	R	27APR09	27APR09	27APR09	114		0.00	0.00
380-100		E-beam mapping-Final Design	40		28APR09*	23JUN09	23JUN09	114		0.00	56,544.80
380-110		E-beam mapping - FDR	1	R	24JUN09	24JUN09	24JUN09	114		0.00	0.00



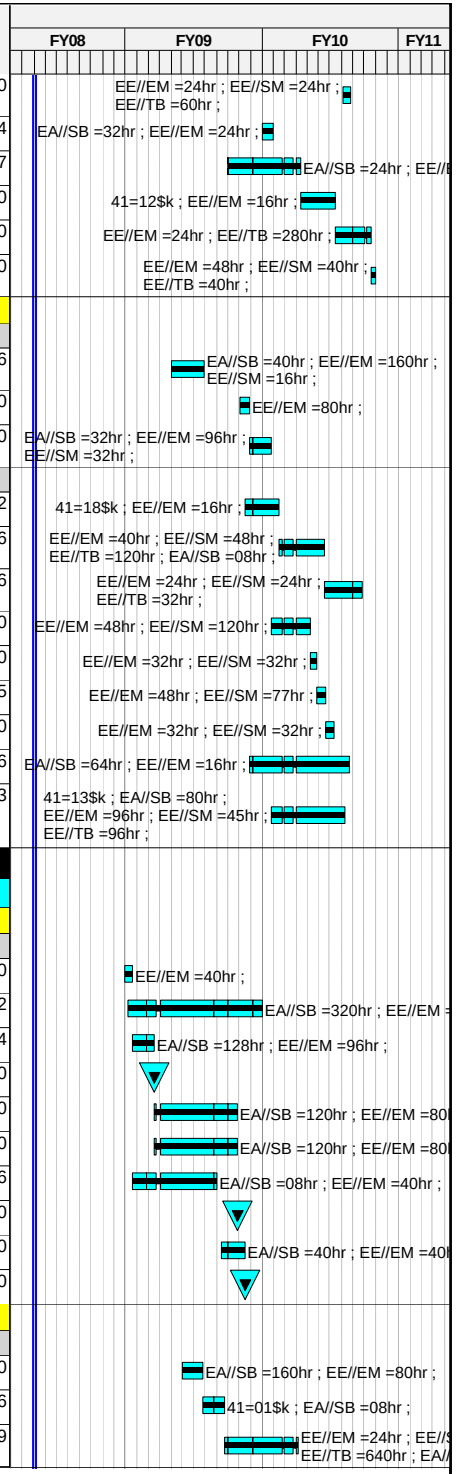
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
380-115		E-beam mapping-Procure Rack	65		01OCT09*	13JAN10	13JAN10	46		0.00	47,369.60
380-120		E-beam mapping-Procure Ports	65		01OCT09	13JAN10	13JAN10	46		0.00	5,728.00
380-130		E-beam mapping-Procure Data Acquisition	65		01OCT09*	13JAN10	13JAN10	46		0.00	14,320.00
380-135		E-beam mapping- Assemble	65		14JAN10*	14APR10	14APR10	46		0.00	94,239.24
380-135M	2	E-beam mapping apparatus ready for Installation	0			14APR10	14APR10	46		0.00	0.00
39 - Diagnostics Integration											
Job: 3901 - Diagnostics sys Integration-STRATTON											
390-03		LOE Support FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	11,359.44	11,359.44
390-04		LOE Support FY08	249*		01OCT07A	29SEP08	29SEP08	1,000	LOE	9,382.30	29,228.35
390-05		LOE Support FY09	247*		01OCT08*	28SEP09	28SEP09	752	LOE	0.00	30,084.70
390-06		LOE Support FY10	246*		01OCT09*	28SEP10	28SEP10	504	LOE	0.00	62,037.90
41 - AC Power											
Job: 4101 - AC Power-RAMAKRISHNAN											
411 - Auxiliary AC Power Systems											
4101-100.1		Prepare Preliminary One line diagram	173		01OCT08*	12JUN09	12JUN09	37		0.00	1,390.80
411-1-100		Ex-Test cell AC pwr-Reactiv.&new instl	210		02JAN09*	27OCT09	27OCT09	114		0.00	12,652.35
411-2-2		Grounding-Dsn	65		02JAN09*	02APR09	02APR09	87		0.00	32,604.96
411-2-4		Grounding-Procure	107		18AUG09*	28JAN10	28JAN10	70		0.00	14,218.60
411-2-6		Grounding-Install	43		29JAN10*	30MAR10	30MAR10	70		0.00	46,659.48
411-2-8		Grounding-Commission	29		31MAR10*	10MAY10	10MAY10	70		0.00	16,166.80
411-3-2		Test Cell AC Power Distr-Dsn**GPP**	90		02JAN09*	07MAY09	07MAY09	104		0.00	0.00
411-3-4		TC AC Pwr Distr-Procure(pnls&xfrmrs)**GPP**	65		08MAY09	10AUG09	10AUG09	104		0.00	0.00
411-3-6		Test Cell AC Power Distr-Install**GPP**	65		11AUG09	10NOV09	10NOV09	104		0.00	0.00
411-3-8		Test Cell AC Power Distr-Commission**GPP**	45		11NOV09*	26JAN10	26JAN10	104		0.00	0.00
412 - Experimental AC Power Systems											
412-1-2		C-site Pulsed AC Power Distr-Dsn	65		02MAR09*	01JUN09	01JUN09	46		0.00	4,832.00
412-1-4		C-site Pulsed AC Power Distr-Procure	94*		18AUG09	11JAN10	11JAN10	37		0.00	7,102.29
412-1-6		C-site Pulsed AC Power Distr-Install	40		12JAN10	08MAR10	08MAR10	37		0.00	11,553.36
412-1-8		C-site Pulsed AC Power Distr-Commission	78		09MAR10	25JUN10	25JUN10	37		0.00	11,384.00
4101ACPWR		Prior ac pwr work reclassified as gpp	356		01MAY07A	31MAY07A	31MAY07A		100	-104,100.00	-104,100.00
43 - DC Systems											
Job: 4301 - DC Systems-RAMAKRISHNAN											
431 - C-Site DC Systems											
431-200		Condition/spare parts inventory	20		01OCT08*	28OCT08	28OCT08	387		0.00	2,308.00



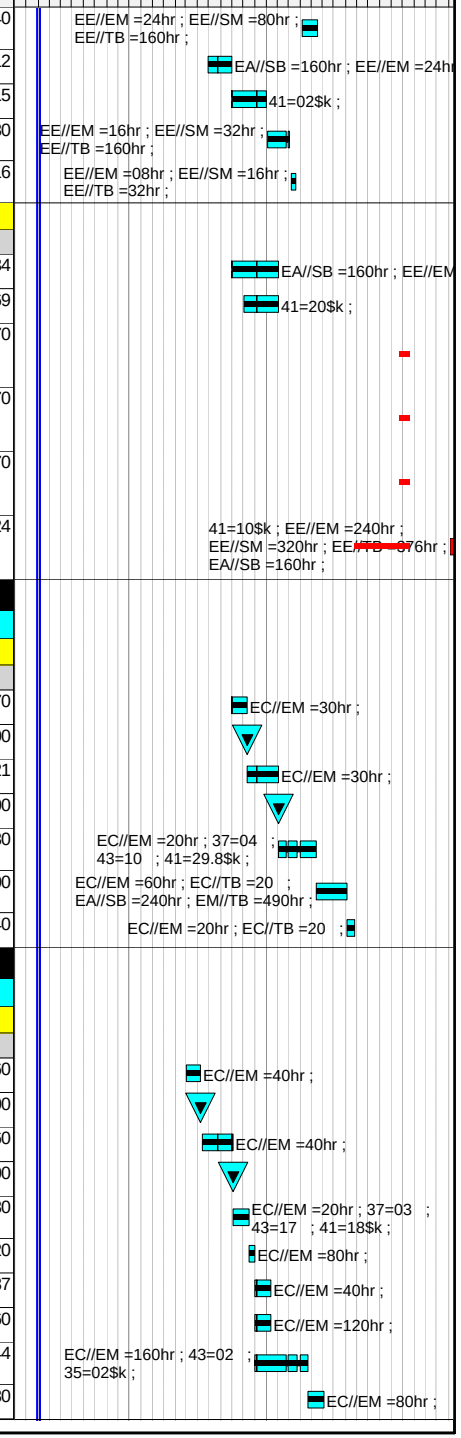
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
431-210		Organize & verify documentation	20		29OCT08*	25NOV08	25NOV08	387		0.00	4,531.16
431-215		Document status	10		26NOV08*	11DEC08	11DEC08	387		0.00	2,857.28
431-225		Reactivate DF & PEI units	15		12DEC08*	12JAN09	12JAN09	387		0.00	22,697.68
431-230		Duumy Load test of DF & PEI units	15		13JAN09*	02FEB09	02FEB09	387		0.00	11,490.04
431-240		Simulate each of 6 pwr loops in PSCAD	90		01OCT08*	16FEB09	16FEB09	260		0.00	18,572.32
431-250		c-site dc sys DGS dsn documentation	90		01OCT08*	16FEB09	16FEB09	260		0.00	61,765.20
431-261		Redo power loop design	90		01OCT08*	16FEB09	16FEB09	260		0.00	52,479.04
431-265		Fabricate bus components	20		29JUL09*	25AUG09	25AUG09	146		0.00	86,139.48
431-275		Power cabling & Installation	97		02NOV09*	30MAR10	30MAR10	99		0.00	317,964.40
431-276		Maint of C-site rectifiers	501*		01OCT07A	02OCT09	02OCT09	216	LOE	3,524.21	22,026.38
44 - Control and protection Systems											
Job: 4401 - Control & Protection-RAMAKRISHNAN											
441 - Electrical Interlocks											
441-095		Design Interlock sys	65		01JUN09*	31AUG09	31AUG09	241		0.00	30,948.00
441-097		Install Interlock sys	40		01SEP09	27OCT09	27OCT09	241		0.00	26,431.48
441-100		PLC Specification	20		02MAR09*	27MAR09	27MAR09	75		0.00	12,493.28
441-105		Prep Block diagrams	20		30MAR09	24APR09	24APR09	75		0.00	16,010.72
441-110		PLC CWD's & Cabling	40		27APR09*	22JUN09	22JUN09	75		0.00	63,679.68
441-115		deliver PLC	130		23JUN09	06JAN10	06JAN10	75		0.00	98,920.77
441-120		Program PLC Logic	45		07JAN10	10MAR10	10MAR10	75		0.00	48,189.60
441-125		Program Control pages	40		11MAR10	05MAY10	05MAY10	75		0.00	30,509.20
441-130		Pre-commissioning tests	20		06MAY10	03JUN10	03JUN10	75		0.00	27,004.00
441-135		Install I/O Cabling control & protection	90		25FEB10	01JUL10	01JUL10	75		0.00	127,497.20
442 - Kirk Key Interlocks											
442-1-2		Kirk Keys-Dsn	40		01OCT09*	25NOV09	25NOV09	45		0.00	23,657.60
442-1-4		Kirk Keys-Procure	65		30NOV09	10MAR10	10MAR10	45		0.00	19,434.40
442-1-6		Kirk Keys-Install	90		01APR10*	06AUG10	06AUG10	30		0.00	34,702.00
442-1-8		Kirk Keys-Commission	20		09AUG10	03SEP10	03SEP10	30		0.00	7,643.00
443 - Real Time Control Systems											
443-1-2		Develop Control Algorithms-Dsn	65		01OCT09*	13JAN10	13JAN10	195		0.00	14,772.00
444 - Instrument Systems											
444-2-2		DC Potential Transducers (DCPTs)-Dsn	40		01OCT09*	25NOV09	25NOV09	100		0.00	9,536.40
444-2-4		DC Potential Transducers (DCPTs)-Procure	65		30NOV09	10MAR10	10MAR10	100		0.00	10,633.92
444-2-6		DC Potential Transducers (DCPTs)-Install	40		11MAR10	05MAY10	05MAY10	100		0.00	21,894.32



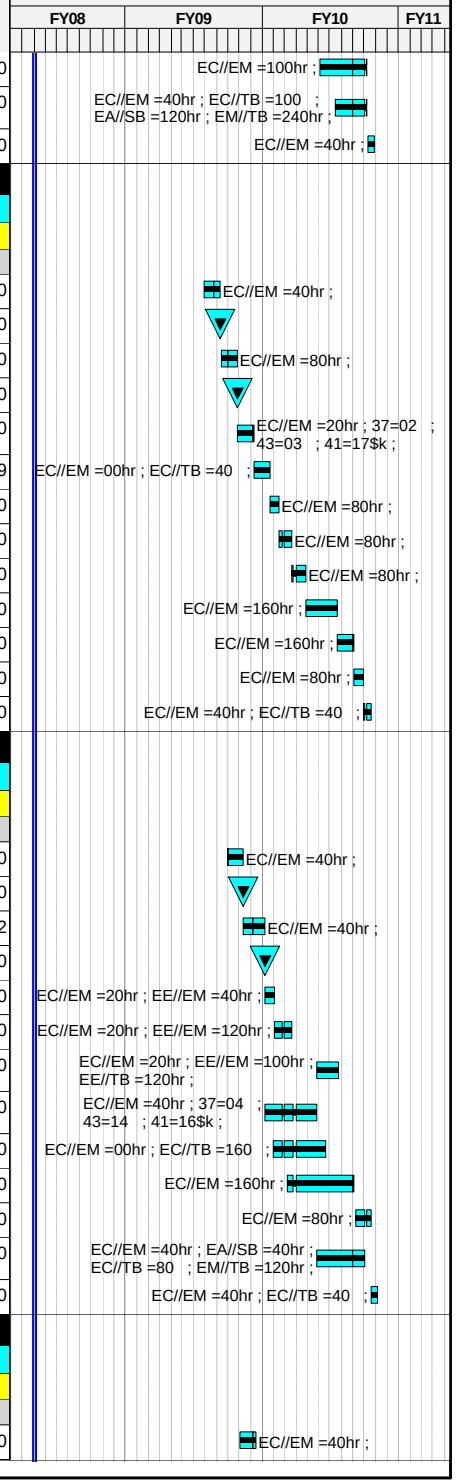
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
444-2-8		DC Potential Transducers (DCPTs)-Commission	15		06MAY10	26MAY10	26MAY10	100		0.00	13,041.60
444-3-2		DC Shunts-Dsn	20		01OCT09*	28OCT09	28OCT09	240		0.00	8,515.44
444-4-2		Signal Conditioning & Cabling-Dsn	130		01JUL09*	14JAN10	14JAN10	54		0.00	90,210.87
444-4-4		Signal Conditioning & Cabling-Procure	65		15JAN10	15APR10	15APR10	54		0.00	20,138.40
444-4-6		Signal Conditioning & Cabling-Install	65		16APR10	19JUL10	19JUL10	54		0.00	27,638.00
444-4-8		Signal Conditioning & Cabling-Commission	10		20JUL10	02AUG10	02AUG10	54		0.00	18,240.40
445 - Coil Protection Systems											
Y											
445-1-2		Ground Fault Protection-Dsn	65		02FEB09*	01MAY09	01MAY09	66		0.00	35,854.56
445-2-105		Overload Protect-Write spec and approve	20		03AUG09*	28AUG09	28AUG09	102		0.00	14,286.40
445-2-110		Overload Protect-Design	40		31AUG09*	26OCT09	26OCT09	112		0.00	26,177.60
445-1-4		Ground Fault Protection-Procure	65		18AUG09*	17NOV09	17NOV09	81		0.00	28,383.62
445-1-6		Ground Fault Protection-Install	75		18NOV09*	16MAR10	16MAR10	81		0.00	25,626.96
445-1-8		Ground Fault Protection-Commission	70		17MAR10	23JUN10	23JUN10	81		0.00	10,720.96
445-2-115		Overload Protect-Fabr 4 chassis	65		27OCT09*	08FEB10	08FEB10	132		0.00	27,049.20
445-2-120		Overload Protect-Test 4 units	10		09FEB10	22FEB10	22FEB10	132		0.00	10,758.40
445-2-125		Overload Protect-Install & Rack wiring	20		23FEB10	22MAR10	22MAR10	132		0.00	20,532.55
445-2-130		Overload Protect-Write & perform ISTP	15		23MAR10	12APR10	12APR10	132		0.00	10,758.40
445-2-135		Overload Protect-Documentation	180		31AUG09*	24MAY10	24MAY10	102		0.00	11,077.36
445-2-140		Overload Protection&cabling design,procure instl	130		27OCT09*	10MAY10	10MAY10	112		0.00	61,328.23
45 - Power System Design and Integration											
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN											
451 - System Design & Interfaces											
451-0-2		Develop SRD	15		01OCT08*	21OCT08	21OCT08	146		0.00	7,143.20
451-3-2		Dwgs,asbuilts -Elect Dsn	245		08OCT08*	01OCT09	01OCT09	259		0.00	96,653.42
451-2-2		PDR Prep Power system -Dsn	40		22OCT08	18DEC08	18DEC08	146		0.00	32,941.44
451-2-3	2	Power system - PDR	0	R		18DEC08	18DEC08	146		0.00	0.00
451-6-2		Final design C-Site -Cabling	149		19DEC08	28JUL09	28JUL09	146		0.00	29,096.80
451-2-2.1		Final Design C-Site	149		19DEC08	28JUL09	28JUL09	146		0.00	29,096.80
451-1-2		Calculations-Dsn	149		22OCT08*	01JUN09	01JUN09	186		0.00	8,130.56
451-202.2	2	Power systems C-Site - FDR	0	R		28JUL09	28JUL09	146		0.00	0.00
451-4-2		Final Dsn AC auxiliaries & grounding-Dsn	45		15JUN09	17AUG09	17AUG09	37		0.00	12,080.00
451-402.1		AC auxiliaries & grounding - FDR	0	R		17AUG09	17AUG09	37		0.00	0.00
452 - Electrical Systems Support											
452-1-2		Diagnostics AC Power Distr-Dsn	40		02MAR09*	24APR09	24APR09	170		0.00	34,033.60
452-1-4		Diagnostics AC Power Distr-Procure	40		27APR09	22JUN09	22JUN09	170		0.00	2,384.36
452-1-6		Diagnostics AC Power Distr-Install	130		23JUN09	06JAN10	06JAN10	170		0.00	78,393.29



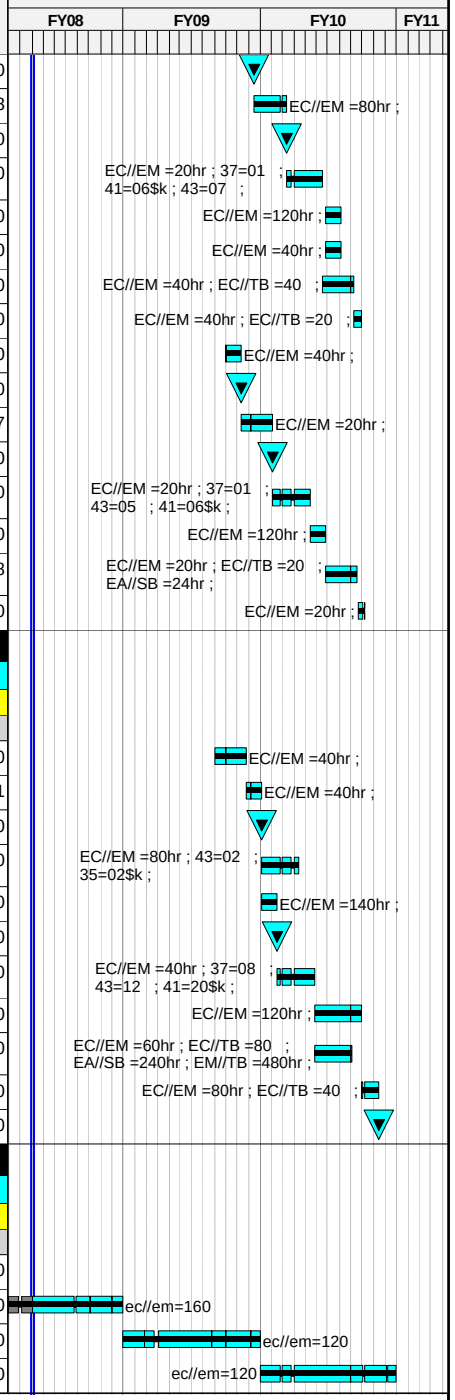
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
452-1-8		Diagnostics AC Power Distr-Commission	30		07JAN10	17FEB10	17FEB10	170		0.00	29,816.40
452-2-2		Diagnostics sensor cabling-Dsn	43		01MAY09*	01JUL09	01JUL09	205		0.00	24,033.12
452-2-4		Diagnostics sensor cabling-Procure	65		02JUL09	02OCT09	02OCT09	205		0.00	2,796.15
452-2-6		Diagnostics sensor cabling-Install	43		05OCT09	04DEC09	04DEC09	205		0.00	21,064.80
452-2-8		Diagnostics sensor cabling-Commission	10		07DEC09	18DEC09	18DEC09	205		0.00	6,554.16
453 - System Testing (PTP's)											
453-1-2		New Procedures	90		01JUL09*	05NOV09	05NOV09	134		0.00	24,269.34
453-1-3		Preop Testing-Procure test equipt	65		03AUG09*	02NOV09	02NOV09	217		0.00	28,187.69
453-1-4		TF Coil Test	20		31MAY11*	27JUN11	18OCT10	-171		0.00	19,528.70
453-1-5		PF Coil Test	20		31MAY11*	27JUN11	18OCT10	-171		0.00	19,528.70
453-1-6		Trim Coil Coil Test	20		31MAY11*	27JUN11	18OCT10	-171		0.00	18,794.70
453-1-8		Testing PTPs, ISTPs	100		07FEB11*	27JUN11	18OCT10	-171		0.00	163,980.24
51 - Network and Fiber Infrastructure											
Job: 5101 - Network and Fiber Infrastruct-SICHTA											
R51-10		Preliminary Design	30		01JUL09*	12AUG09	12AUG09	93		0.00	4,652.70
R51-11		PDR	0	R		12AUG09	12AUG09	93		0.00	0.00
R51-20		Final Design	60		13AUG09	05NOV09	05NOV09	93		0.00	4,721.21
R51-21		FDR	0	R		05NOV09	05NOV09	93		0.00	0.00
R51-30		Procurement	60		06NOV09	11FEB10	11FEB10	93		0.00	52,884.80
R51-50		Installation	60		12FEB10	06MAY10	06MAY10	93		0.00	83,587.00
R51-60		Test	14		07MAY10	26MAY10	26MAY10	93		0.00	4,766.40
52 - Central Instrumentation & Control											
Job: 5201 - I&C Systems-SICHTA											
R52-10		Preliminary Design	30		02MAR09*	10APR09	10APR09	49		0.00	6,203.60
R52-11		PDR	0	R		10APR09	10APR09	49		0.00	0.00
R52-20		Final Design	60		13APR09	07JUL09	07JUL09	49		0.00	6,203.60
R52-21		FDR	0	R		07JUL09	07JUL09	49		0.00	0.00
R52-30		Procurement	30		08JUL09	18AUG09	18AUG09	49		0.00	33,500.80
R52-40		EPICS Programming - Base	10		19AUG09	01SEP09	01SEP09	49		0.00	12,407.20
R52-50		EPICS Programming - VDCT db editor	30		02SEP09	14OCT09	14OCT09	229		0.00	6,273.87
R52-60		IOC Programming - MDSplus data & events	30		02SEP09	14OCT09	14OCT09	229		0.00	18,821.60
R52-70		OPC - EPICS/PLC Interface	90		02SEP09	20JAN10	20JAN10	49		0.00	28,002.44
R52-80		Appl. Programming-T/C	30		21JAN10	03MAR10	03MAR10	49		0.00	12,828.80



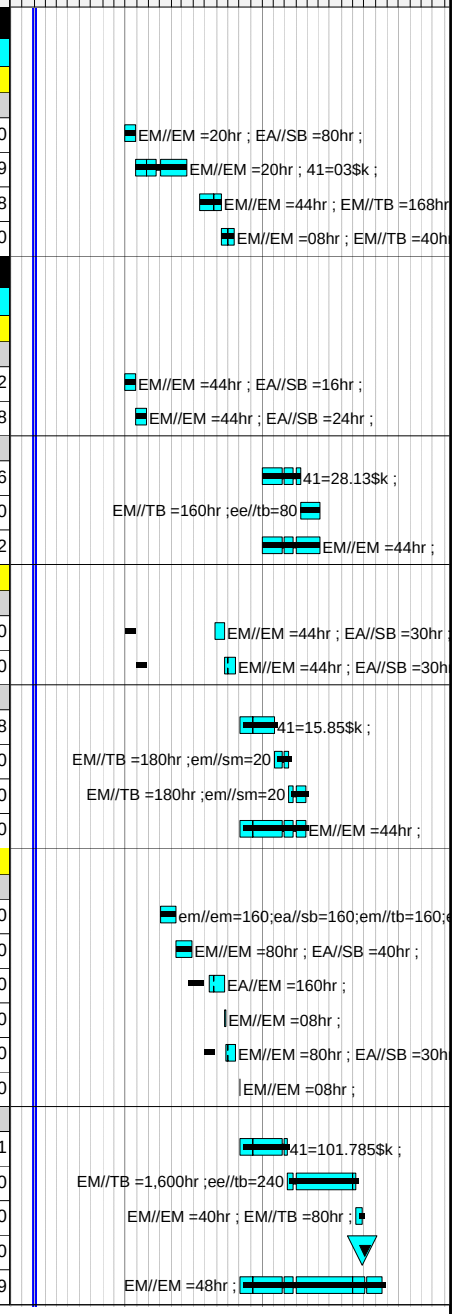
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
R52-90		Programming - misc.	90		04MAR10	09JUL10	09JUL10	49		0.00	16,036.00
R52-100		Installation	60		15APR10	09JUL10	09JUL10	49		0.00	49,987.20
R52-110		Test	14		12JUL10	29JUL10	29JUL10	49		0.00	6,414.40
53 - Data Acquisition & Facility Computing											
Job: 5301 - Data Acquisition-SICHTA											
R53-10		Preliminary Design	30		01MAY09*	12JUN09	12JUN09	55		0.00	6,203.60
R53-11		PDR	0	R		12JUN09	12JUN09	55		0.00	0.00
R53-20		Final Design	30		15JUN09	27JUL09	27JUL09	55		0.00	12,407.20
R53-21		FDR	0	R		27JUL09	27JUL09	55		0.00	0.00
R53-30		Procurement	30		28JUL09	08SEP09	08SEP09	55		0.00	30,352.80
R53-40		Installation	30		09SEP09	20OCT09	20OCT09	55		0.00	3,063.79
R53-50		MDSplus Installation	20		21OCT09	17NOV09	17NOV09	55		0.00	12,828.80
R53-60		MDSplus Programming - Tree Design	20		18NOV09	17DEC09	17DEC09	55		0.00	12,828.80
R53-70		MDSplus Programming - Shot Sync	20		18DEC09	26JAN10	26JAN10	55		0.00	12,828.80
R53-110		Programming - Misc.	60		27JAN10	20APR10	20APR10	55		0.00	25,657.60
R53-80		MDSplus Programming - Dispatcher	30		21APR10	02JUN10	02JUN10	55		0.00	25,657.60
R53-90		MDSplus Programming - Acquisition	20		03JUN10	30JUN10	30JUN10	55		0.00	12,828.80
R53-120		Test	14		01JUL10	21JUL10	21JUL10	55		0.00	9,532.80
54 - Facility Timing & Synchronization											
Job: 5401 - Facility Timing & Synchron.-SICHTA											
R54-10		Preliminary System Design	30		01JUL09*	12AUG09	12AUG09	43		0.00	6,203.60
R54-11		PDR	0	R		12AUG09	12AUG09	43		0.00	0.00
R54-20		Final SystemDesign	40		13AUG09	08OCT09	08OCT09	43		0.00	6,235.22
R54-21		FDR	0	R		08OCT09	08OCT09	143		0.00	0.00
R54-30		Preliminary Design - Clock Dist.	20		09OCT09	05NOV09	05NOV09	143		0.00	10,593.20
R54-40		Final Design - Clock Dist.	30		06NOV09	21DEC09	21DEC09	143		0.00	25,365.20
R54-50		Test - Clock Dist.	40		26FEB10	22APR10	22APR10	103		0.00	31,617.80
R54-60		Procurement	90		09OCT09	25FEB10	25FEB10	53		0.00	36,330.40
R54-70		UNT - Timing & Seq Emulation (FPGA Pgm)	90		02NOV09*	19MAR10	19MAR10	127		0.00	12,473.60
R54-80		UNT - Device Driver Prog (EPICS/MDSplus)	120		08DEC09	04JUN10	04JUN10	43		0.00	25,657.60
R54-90		Central Clock (EPICS) Programming	30		07JUN10	19JUL10	19JUL10	43		0.00	12,828.80
R54-100		Installation	90		26FEB10	02JUL10	02JUL10	53		0.00	27,987.20
R54-110		Test	14		20JUL10	06AUG10	06AUG10	43		0.00	9,532.80
55 - Real Time Plasma & Power Supply Control Sys											
Job: 5501 - Real Time Control System-SICHTA											
R55-10		FCPC - Preliminary Design	30		03AUG09*	14SEP09	14SEP09	71		0.00	6,203.60



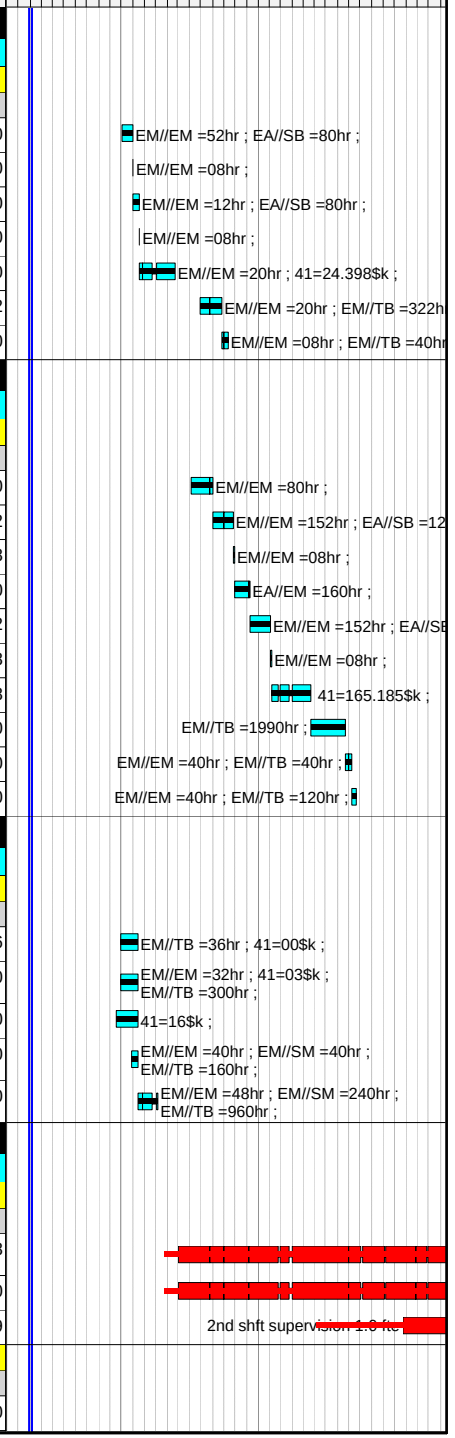
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
R55-11		PDR	0	R		14SEP09	14SEP09	71		0.00	0.00
R55-20		FCPC -Final Design	60		15SEP09	09DEC09	09DEC09	71		0.00	12,744.48
R55-21		FDR	0	R		09DEC09	09DEC09	71		0.00	0.00
R55-30		FCPC - Procurement	60		10DEC09	15MAR10	15MAR10	71		0.00	13,550.20
R55-40		FCPC LabVIEW Programming	30		26MAR10	06MAY10	06MAY10	93		0.00	19,243.20
R55-45		FCPC PLC Integration-EPICS Prog.	30		26MAR10	06MAY10	06MAY10	93		0.00	6,414.40
R55-50		FCPC - Installation	60		16MAR10	08JUN10	08JUN10	71		0.00	9,532.80
R55-60		FCPC -Test	14		09JUN10	28JUN10	28JUN10	71		0.00	7,973.60
R55-70		GISRTC - Preliminary Design	30		01JUL09*	12AUG09	12AUG09	63		0.00	6,203.60
R55-71		PDR	0	R		12AUG09	12AUG09	63		0.00	0.00
R55-80		GISRTC -Final Design	60		13AUG09	05NOV09	05NOV09	63		0.00	3,147.47
R55-81		FDR	0	R		05NOV09	05NOV09	63		0.00	0.00
R55-90		GISRTC - Procurement	60		06NOV09	11FEB10	11FEB10	63		0.00	13,550.20
R55-100		GISRTC LabVIEW Programming	30		12FEB10	25MAR10	25MAR10	63		0.00	19,243.20
R55-110		GISRTC - Installation	60		26MAR10	18JUN10	18JUN10	63		0.00	7,829.28
R55-120		GISRTC -Test	14		21JUN10	09JUL10	09JUL10	63		0.00	3,207.20
56 - Central Safety and Interlock Systems											
Job: 5601 - Central Safety &Interlock Sys-SICHTA											
R56-10		Requirements, Codes&Standards	60		01JUN09*	24AUG09	24AUG09	39		0.00	6,203.60
R56-20		Preliminary Design	30		25AUG09	06OCT09	06OCT09	39		0.00	6,231.71
R56-21		PDR	0	R		06OCT09	06OCT09	39		0.00	0.00
R56-30		PLC Training	60		07OCT09	12JAN10	12JAN10	159		0.00	15,374.80
R56-35		Final Design	30		07OCT09	17NOV09	17NOV09	39		0.00	22,450.40
R56-36		FDR	0	R		17NOV09	17NOV09	39		0.00	0.00
R56-40		Procurement	60		18NOV09	23FEB10	23FEB10	39		0.00	49,062.40
R56-50		PLC Programming	90		24FEB10	30JUN10	30JUN10	39		0.00	19,243.20
R56-60		Installation	70		24FEB10	02JUN10	02JUN10	59		0.00	87,412.00
R56-70		Test	30		01JUL10	12AUG10	12AUG10	39		0.00	15,947.20
R56-70M	2	Compl Central Safety&Interlock Sys Pre-ops Tests	0			12AUG10	12AUG10	39		0.00	0.00
58 - Central I&C management and Integration											
Job: 5801 - Central I&C Integr& Oversight-SICHTA											
R58-10		WBS58 -FY07 Management & Integration LOE	107*		01MAY07A	28SEP07A	01OCT07		LOE	7,035.00	7,035.00
R58-20		WBS58 -FY08 Management & Integration LOE	250*		01OCT07A	30SEP08	30SEP08	999	LOE	7,714.30	24,107.20
R58-30		WBS58 -FY09 Management & Integration LOE	249		01OCT08*	30SEP09	30SEP09	750	LOE	0.00	18,610.80
R58-40		WBS58 -FY10 Management & Integration LOE	248		01OCT09*	30SEP10	30SEP10	502	LOE	0.00	19,243.20



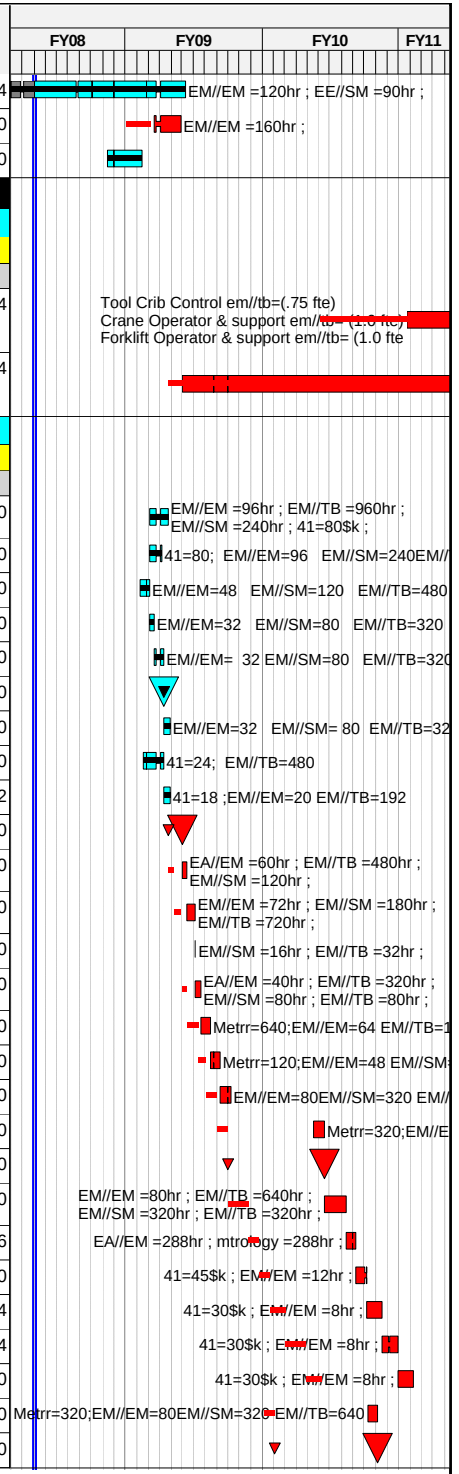
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
61 - Water Systems											
Job: 6101 - Water Systems-DUDEK											
613 - Vacuum Pumping System											
6101-100		Design Vac Pmp water sys	20		01OCT08*	28OCT08	28OCT08	258		0.00	13,183.60
6101-105		Procure Hardware and materials Vac Pmp water sys	90		29OCT08	16MAR09	16MAR09	258		0.00	7,459.09
6101-110		Fabricate and Install Vac Pmp water sys	40		20APR09*	15JUN09	15JUN09	234		0.00	21,135.28
6101-115		Test Vac Pmp water sys	22		16JUN09	16JUL09	16JUL09	234		0.00	4,622.40
62 - Cryogenic Systems											
Job: 6201 - Cryogenic Syst-RAFTOPOLOUS											
621 - LN2-LHe Supply System											
X											
621-101		LN2 - LHe Supply-Preliminary Design	20		01OCT08*	28OCT08	28OCT08	221		0.00	9,256.72
621-121		LN2 - LHe Supply-Final Design	20		29OCT08	25NOV08	25NOV08	222		0.00	10,244.08
621-131		LN2 - LHe Supply-Procure Hardware & Materials	65		01OCT09*	13JAN10	13JAN10	124		0.00	40,282.16
621-141		LN2 - LHe Supply-Fabricate & Assembly	35		14JAN10	03MAR10	03MAR10	124		0.00	20,272.00
621-151		LN2 - LHe Supply-Title III	100		01OCT09	03MAR10	03MAR10	124	LOE	0.00	7,529.72
622 - LN2 Coil Cooling Supply											
X											
622-101		LN2 Coil Cooling Supply-Prelim Design	20		28MAY09*	24JUN09	28OCT08	60		0.00	10,984.60
622-121		LN2 Coil Cooling Supply-Final Design	20		25JUN09	23JUL09	25NOV08	61		0.00	10,984.60
622-131		LN2 Coil Cooling Supply-Procure Hardware	65		04AUG09*	03NOV09	11NOV09	150		0.00	22,347.28
622-141		LN2 Coil Cooling Supply-Assemble Skid	25		04NOV09	10DEC09	18DEC09	150		0.00	18,158.80
622-151		LN2 Coil Cooling Supply-Relocate skid to NCSX TC	25		11DEC09	26JAN10	03FEB10	150		0.00	18,158.80
622-161		LN2 Coil Cooling Supply-Title III	115		04AUG09	26JAN10	03FEB10	150	LOE	0.00	7,441.40
623 - GN2 Cryostat Cooling System											
X											
623-100		GN2 Cryostat Cooling Sys Development	30		05JAN09*	13FEB09	13FEB09	122		0.00	87,993.60
623-101		GN2 Cryostat Cooling Sys-Preliminary Design	30		16FEB09*	27MAR09	27MAR09	122		0.00	18,176.80
623-121		GN2 Cryostat Cooling Sys-Analysis	30		13MAY09*	24JUN09	29APR09	60		0.00	30,593.60
623-141		GN2 Cryostat Cooling Sys-WBS 62/171 PDR	1	R	25JUN09	25JUN09	30APR09	60		0.00	1,324.00
623-161		GN2 Cryostat Cooling Sys-Final Design	20		26JUN09	24JUL09	29MAY09	60		0.00	16,942.60
623-181		GN2 Cryostat Cooling Sys-WBS 62/171 FDR	1	R	03AUG09	03AUG09	11AUG09	55		0.00	1,324.00
623-201		GN2 Cryostat Cooling Sys-Procure Hardware	88		04AUG09	08DEC09	16DEC09	55		0.00	144,103.41
623-221		GN2 Cryostat Cooling Sys-Assemble & Install	122		09DEC09	09JUN10	17JUN10	55		0.00	156,307.20
623-261		WBS 62/171 Cryo systems PTP	10		10JUN10	23JUN10	01JUL10	55		0.00	13,666.00
623-261M	2	Complete Cryo Systems Pre-ops Test	0			23JUN10	01JUL10	55		0.00	0.00
623-262		GN2 Cryostat Cooling Supply-Title III	258		04AUG09	17AUG10	25AUG10	533	LOE	0.00	8,171.29



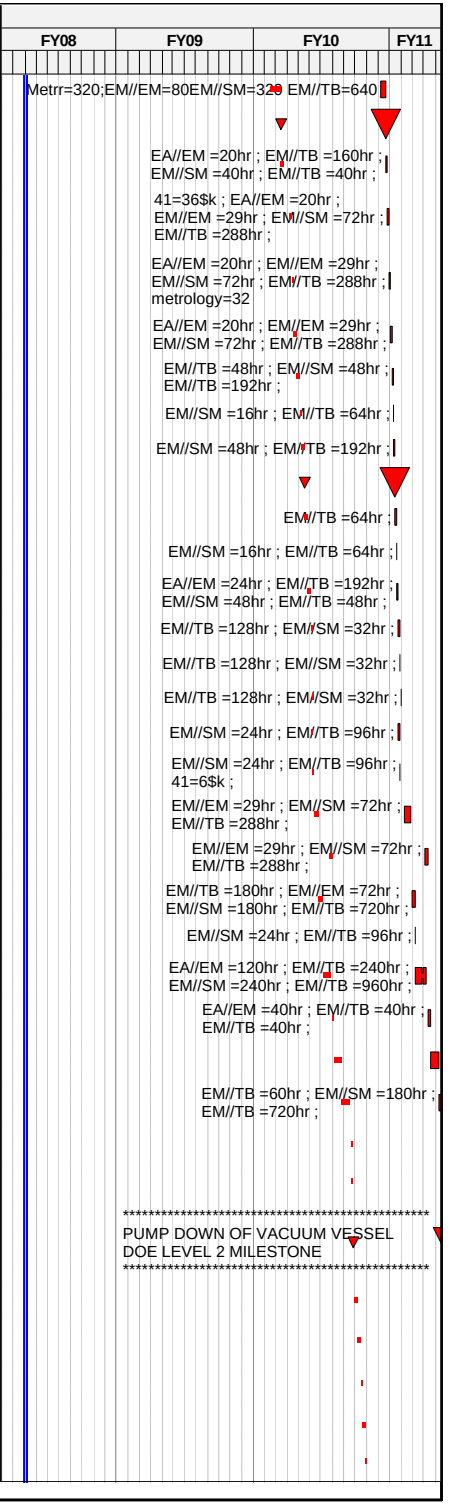
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
63 - Utility Systems											
Job: 6301 - Utility Systems-DUDEK											
6301-001		Vac Vent and Air sys- Prelim Dsn	20		06OCT08*	31OCT08	31OCT08	285		0.00	18,479.60
6301-005		Vac Vent and Air sys- PDR	1	R	03NOV08*	03NOV08	03NOV08	285		0.00	1,324.00
6301-009		Vac Vent and Air sys- Final dsn	10		04NOV08*	17NOV08	17NOV08	285		0.00	11,859.60
6301-010		Vac Vent and Air sys- FDR	1	R	18NOV08*	18NOV08	18NOV08	285		0.00	1,324.00
6301-013		Vac Vent and Air sys- Procure hardware and compo	60		19NOV08	23FEB09	23FEB09	285		0.00	37,396.80
6301-017		Vac Vent and Air sys- Fabricate and Install	40		01MAY09*	26JUN09	26JUN09	237		0.00	29,862.12
6301-020		Vac Vent and Air sys-Test	10		29JUN09*	13JUL09	13JUL09	237		0.00	4,622.40
64 - PFC/VV Heating & Cooling (Bakeout)											
Job: 6401 - PFC/VV Htng/Cooling(bakeout)- KALISH											
6401-000		Bakeout Sys- Requirements Definition	40		06APR09*	01JUN09	01JUN09	93		0.00	15,296.80
6401-001		Bakeout Sys-Preliminary Design	40		02JUN09*	28JUL09	28JUL09	93		0.00	43,874.32
6401-002		Bakeout Sys-PDR	1	R	29JUL09*	29JUL09	29JUL09	93		0.00	1,529.68
6401-004		Bakeout Sys- EA Analysis	30		30JUL09	10SEP09	10SEP09	93		0.00	30,593.60
6401-005		Bakeout Sys-Final Design	40		11SEP09*	05NOV09	05NOV09	93		0.00	44,844.12
6401-009		Bakeout Sys-FDR	1	R	06NOV09*	06NOV09	06NOV09	93		0.00	1,581.68
6401-010		Bakeout Sys-Procure Piping & Equipt	65		09NOV09*	19FEB10	19FEB10	93		0.00	236,552.08
6401-013		Assemble & Install	65		22FEB10*	21MAY10	21MAY10	93		0.00	169,667.40
6401-017		Bakeout Sys- ACC Review	10		24MAY10*	07JUN10	07JUN10	93		0.00	11,318.80
6401-020		Bakeout Sys-PTP Testing	10		08JUN10*	21JUN10	21JUN10	93		0.00	18,139.60
73 - Platform Design & Fabrication											
Job: 7301 - Platform Design & Fab-PERRY											
711A.040		Platform nut plates	30		02OCT08	12NOV08	12NOV08	16		2,633.63	3,065.96
712.020		Platform Parts	30		02OCT08	12NOV08	12NOV08	16		0.00	34,225.00
712.030		Miscs Hardware/Material	40		18SEP08	12NOV08	12NOV08	16		0.00	22,031.60
7301-100		Survey & layout locations for platform posts	10		30OCT08	12NOV08	12NOV08	16		0.00	25,252.80
7301-102		Machine platform trial assembly & fitup	30		13NOV08*	06JAN09	06JAN09	16		0.00	119,740.80
74 - Machine Assembly Planning and Oversight											
Job: 7401 - TC Prep & Mach Assy Planning-PERRY											
Oversight and Supervision											
1802ORNLFA		ORNL Title III final machine assy	628*		02MAR09	01SEP11	03JAN11	-171	LOE	0.00	385,122.78
714.030		LOE Start of assy through thru completion	628*	LOE	02MAR09	01SEP11	03JAN11	-171	LOE	0.00	1,037,198.90
714.031		Additional supervision for 2nd shift	223*	2	26OCT10	01SEP11	03JAN11	-173	LOE	0.00	266,168.19
7401ACPWR		Prior ac pwr work reclassified as gpp	356		01MAY07A	31MAY07A	31MAY07A		LOE	-308,300.00	-308,300.00



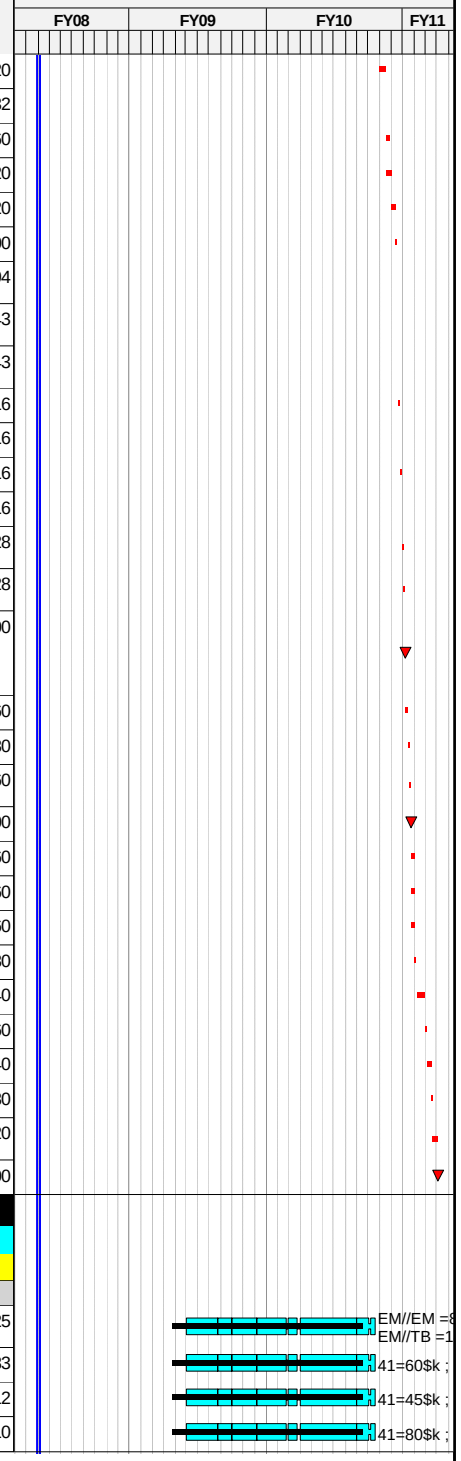
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
714.020		LOE Prior to assy starting	356*		01OCT07A	10MAR09	10MAR09	926	LOE	7,287.74	32,389.94
714.025		Update Final Assembly Plan	45		18DEC08*	27FEB09	08DEC08	-22		0.00	26,480.00
7502-001		Test Cell 110/208voutlets GPP SCOPE TO COMPLETE	65		15AUG08*	14NOV08	14NOV08	44		0.00	0.00
75 - Test Cell and Basement Assembly Operations											
Job: 7501 - Construction Support Crew-PERRY											
General Assy Support											
7501-06		Construction Support Crew for 2nd shift	223*	2	26OCT10	01SEP11	03JAN11	-173	LOE	0.00	455,923.54
7501-05		Construction Support Crew during machine assy	652*		02MAR09	01SEP11	03JAN11	-173	LOE	0.00	972,439.14
Job: 7503 - Machine Assembly (station 6)-PERRY											
7501-10		Fabricate/Assemble assembly structure	30	1	04DEC08	23JAN09	23JAN09	13		0.00	239,444.80
7501-10.1		Fab struct to go between assy sleds&FPA's	20	1	04DEC08	09JAN09	09JAN09	23		0.00	239,444.80
7501-10.2		Assemble 3 FPA support stands	15	1	12NOV08*	04DEC08	04DEC08	12		0.00	63,842.40
7501-10.3		Assemble 3 VV spool piece support stands	10	1	05DEC08	18DEC08	18DEC08	12		0.00	42,561.60
7501-10.4		Assemble machine base structure	10	1	19DEC08	12JAN09	12JAN09	12		0.00	42,561.60
7501-10.4M	2	Complete Base Support Structure Assembly	0	1		12JAN09	12JAN09	12		0.00	0.00
7501-10.5		Assemble 3 FPA installation carts	10	1	13JAN09	26JAN09	26JAN09	12		0.00	42,561.60
7501-10.6		Fab 3 laser support poles	30	1	20NOV08*	13JAN09	13JAN09	70		0.00	73,108.80
7501-10.7		Fab 3 concrete blocks for testing assy struct	12	1	14JAN09	29JAN09	29JAN09	70		0.00	44,288.32
7503-010		Begin Assembly Activities	0	1	02MAR09*			-22		0.00	0.00
7503-020		Install Permanent support base and columns	10	1	02MAR09	13MAR09	06FEB09	-22		0.00	67,371.00
7503-015		Install Temp Assembly Structure	15	1	16MAR09	03APR09	27FEB09	-22		0.00	95,763.60
7503-060		Install Lower PF 4,5&6 into prelim position	1	1	06APR09	06APR09	02MAR09	-22		0.00	4,814.40
7503-070		Install 3 Spool Pieces on fixt & test movement	10	1	07APR09	20APR09	16MAR09	-22		0.00	51,510.80
7501-10.9		Install test cell metrology site monuments & chk	20	1	21APR09	18MAY09	13APR09	-22		0.00	85,123.20
7501-10.10		Test TC floor deflections with concrete block	15	1	19MAY09	09JUN09	04MAY09	-22		0.00	73,737.60
7501-10.8		Exercise assy struc with concrete blocks & metro	20	2	10JUN09	08JUL09	02JUN09	-22		0.00	109,528.00
7503-080A		FPA-1 Installation and assembly test	20	1	18FEB10	17MAR10	30JUN09	-171		0.00	140,532.00
7503-080		FPA-1 Installed on sleds	0	1		17MAR10	30JUN09	-171		0.00	0.00
7501-11		Exercise assy struc w/FPA-1 before start of assy	40	1	18MAR10	12MAY10	26AUG09	-171		0.00	140,532.00
7503-415.7		Measure vsl gaps to determ spool piece dimension	18	1	13MAY10	08JUN10	22SEP09	-171		0.00	81,495.36
7503-415.0		Spool piece installation test	20	1	09JUN10	07JUL10	20OCT09	-171		0.00	140,532.00
7503-416.1		Machine Flange A & B of Spool Piece 1	30	1	08JUL10	18AUG10	03DEC09	-171		0.00	44,329.04
7503-416.2		Machine Flange A & B of Spool Piece 2	30	1	19AUG10	30SEP10	26JAN10	-171		0.00	44,329.04
7503-416.3		Machine Flange A & B of Spool Piece 3	30	1	01OCT10	11NOV10	09MAR10	-171		0.00	45,455.60
7503-110A		FPA-2 Installation and assembly test	20	1	12JUL10	06AUG10	02NOV09	-144		0.00	140,532.00
7503-110		FPA-2 Installed on sleds	0	1		06AUG10	02NOV09	-144		0.00	0.00



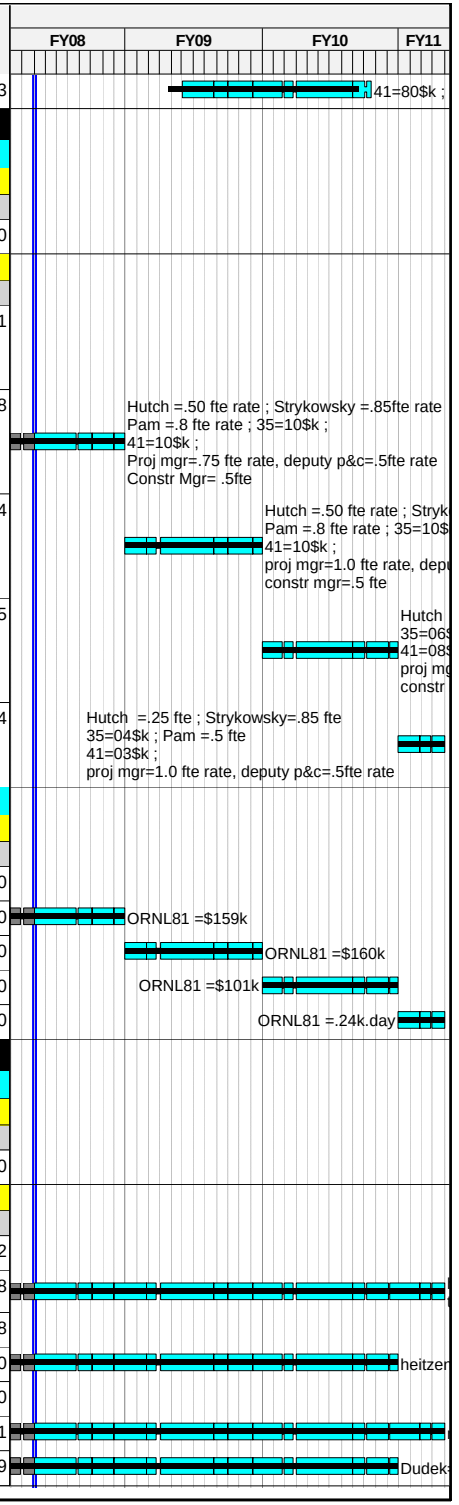
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
7503-150A		FPA-3 Installation and assembly test	10	2	07SEP10	20SEP10	15DEC09	-164		0.00	140,532.00
7503-150	2	FPA-3 Installed on sleds	0	1		20SEP10	15DEC09	-164		0.00	0.00
7503-120		Test movement of FPA's incl position checks.	3	2	21SEP10	23SEP10	22DEC09	-164		0.00	26,630.20
7503-400		Install inboard and outboard shims	3	2	24SEP10	28SEP10	11JAN10	-164		0.00	95,147.05
7503-402		Move all FPA's together, chk fitup,tack shims	3	2	29SEP10	01OCT10	19JAN10	-164		0.00	46,848.48
7503-404		Weld inboard shims on mating flanges	3	2	04OCT10	06OCT10	27JAN10	-164		0.00	45,077.59
7503-406		Install TF coils at ends of each FPA	3	2	07OCT10	11OCT10	04FEB10	-164		0.00	28,136.64
7503-410		Install spacer supports and spacers	1	2	12OCT10	12OCT10	08FEB10	-164		0.00	7,968.32
7503-412		Move FPA's & spacers together/chk fitup	3	2	13OCT10	15OCT10	16FEB10	-164		0.00	26,726.08
7503-412M	2	Move FPA's & spacers together/chk fitup complete	0	2		15OCT10	16FEB10	-164		0.00	0.00
7503-414		Remove Spacers & Machine spacers to fit	2	2	18OCT10	19OCT10	22FEB10	-164		0.00	5,642.24
7503-415		Re-install spacers	1	2	20OCT10	20OCT10	24FEB10	-164		0.00	7,968.32
7503-160		Position all FPA's / Spool Pieces @ MC Interface	3	2	21OCT10	25OCT10	04MAR10	-164		0.00	33,042.96
7503-090		Install local Platforms around FPA-1	2	2	26OCT10	27OCT10	08MAR10	-164		0.00	15,936.64
7503-130		Install local Platforms around FPA-2	2	2	28OCT10	29OCT10	10MAR10	-164		0.00	15,936.64
7503-190		Install local Platforms around FPA-3	2	2	01NOV10	02NOV10	12MAR10	-164		0.00	15,936.64
7503-415.5		MC Interface:meas holes/mark bushings f/drilling	2	2	26OCT10	27OCT10	09MAR10	-161		0.00	11,952.48
7503-415.6		drill eccentric custom holes in bushings	1	2	28OCT10	28OCT10	12MAR10	-161		0.00	20,760.48
7503-416		Position Spool pieces and Bolt MC flanges	9	2	12NOV10	24NOV10	25MAR10	-171		0.00	40,988.99
7503-417		Retorque all super nuts after 30 days	6	2	05JAN11	12JAN11	03MAY10	-171		0.00	81,977.98
7503-418		Raise permanent supports to take machine loads	8	2	29NOV10	08DEC10	06APR10	-168		0.00	118,252.80
7503-419		Remove temporary assy structure	1	2	09DEC10	09DEC10	07APR10	-168		0.00	11,952.48
7503-419.1		Install/Level FPA's and spool piece supports	15	2	10DEC10	07JAN11	28APR10	-168		0.00	165,214.80
7503-419.2		FPA Metrology checks to assure alignment	3	2	13JAN11	17JAN11	06MAY10	-171		0.00	15,230.00
7503-420		Mate-up and Weld spacers onto vvsa	15	2	18JAN11	07FEB11	27MAY10	-171		0.00	177,710.40
7503-422		Weld all six port 4's in place	15	2	08FEB11	28FEB11	18JUN10	-171		0.00	94,933.20
7503-422.1		Install E-Beam mapping & diag equipt	5	2	01MAR11	07MAR11	25JUN10	-171		0.00	46,919.60
7503-240		Install Vacuum pumping system	3	2	01MAR11	03MAR11	23JUN10	-169		0.00	19,920.80
7503-250	2	Begin Vac Vsl Pumpdown	0	2		07MAR11	25JUN10	-171		0.00	0.00
7503-260		PTP Pumpdown & leak check VV	8	2	08MAR11	17MAR11	08JUL10	-171		0.00	59,762.40
7503-424		Install TF alignment & traction ring	4	2	18MAR11	23MAR11	14JUL10	-171		0.00	41,843.49
7503-426		Pull TF coil radially inward. Verify nose fit up	5	2	24MAR11	30MAR11	21JUL10	-171		0.00	41,843.49
7503-428		Lock TF coils at four support locations	4	2	31MAR11	05APR11	27JUL10	-171		0.00	41,843.49
7503-430		Install MC structure insulation boots port 4's	5	2	06APR11	12APR11	03AUG10	-171		0.00	39,841.60



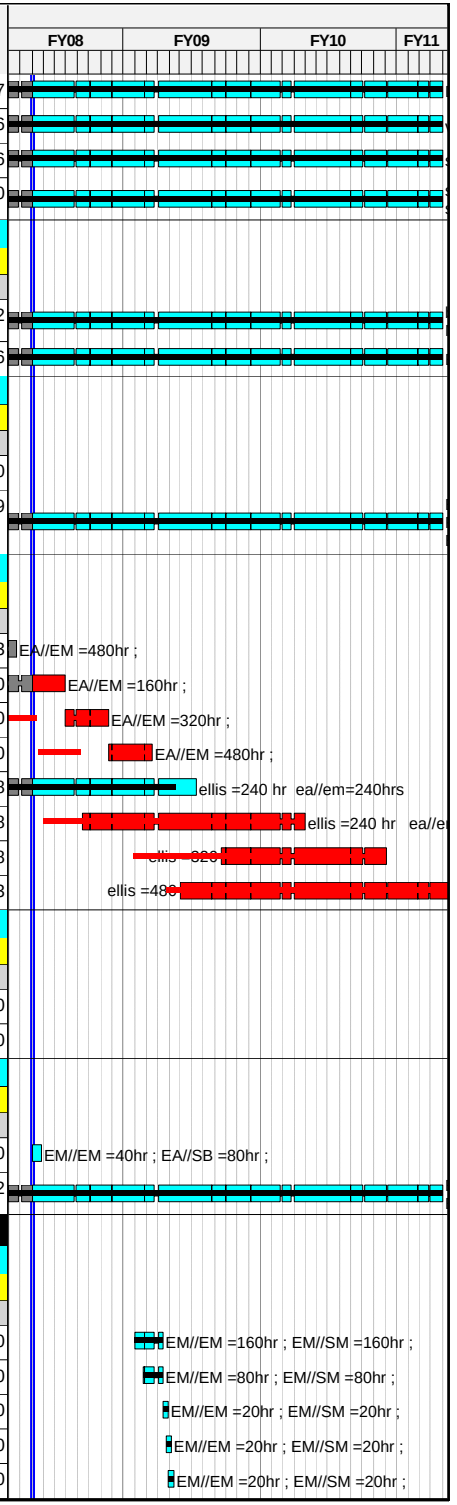
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
7503-431		Seal gaps MC shims,cooling tubes, for insul pour	10	2	13APR11	26APR11	17AUG10	-171		0.00	79,683.20
7503-432		Fill MC/VVSA annulus with pourable aerogel insul	1	2	27APR11	27APR11	18AUG10	-171		0.00	7,968.32
7503-433.1		Install LN2 manifolds	5	2	28APR11	04MAY11	25AUG10	-155		0.00	39,841.60
7503-434		Instl in-cryostat cabling for elect pwr to coils	8	2	28APR11	09MAY11	30AUG10	-171		0.00	53,947.20
7503-436		Connect cabling, and I&C to MC & TF Coils	8	2	10MAY11	19MAY11	10SEP10	-171		0.00	53,947.20
7503-439		Complete mag diag & machine I&C	5	2	20MAY11	26MAY11	17SEP10	-171		0.00	51,472.00
7503-438		Align guide mechanism for solenoid installation	1	2	27MAY11	27MAY11	20SEP10	-171		0.00	7,819.94
7503-444		Install solenoid support structure	1	2	31MAY11	31MAY11	21SEP10	-171		0.00	7,148.43
7503-440		Install solenoid assembly	1	2	01JUN11	01JUN11	22SEP10	-171		0.00	7,148.43
7503-442		Connect cabling, LN2 andI&C to solenoid assy	1	2	02JUN11	02JUN11	23SEP10	-171		0.00	3,984.16
7503-446		Install PF4L	1	2	03JUN11	03JUN11	24SEP10	-171		0.00	3,984.16
7503-448		Connect cabling, LN2 and I&C to PF4L	1	2	06JUN11	06JUN11	27SEP10	-171		0.00	3,984.16
7503-450		Adjust spring compression in solenoid sprt struc	1	2	07JUN11	07JUN11	28SEP10	-171		0.00	3,984.16
7503-451		Raise lower PF 5&6 coils into final position	3	2	08JUN11	10JUN11	01OCT10	-171		0.00	28,811.28
7503-452		Instl Upper PF 4, 5 & 6	3	2	13JUN11	15JUN11	06OCT10	-171		0.00	28,811.28
7503-330	2	Begin Cryostat Installation	0	2		15JUN11	06OCT10	-171		0.00	0.00
7503-454		Install cryostat base, vapor barrier port boots	5	2	16JUN11	22JUN11	13OCT10	-171		0.00	39,841.60
7503-456		Install elec pwr, LN2, & instr feedthrus	3	2	23JUN11	27JUN11	18OCT10	-171		0.00	19,920.80
7503-458		Integrated Electrical testing	5	2	28JUN11	05JUL11	25OCT10	-171		0.00	53,997.60
7503-458M	2	Complete Power System Pre-ops Tests	0	2		05JUL11	25OCT10	-171		0.00	0.00
7503-460		Instl transition box,cabling,&connect to pwr sup	5	2	06JUL11	12JUL11	01NOV10	-137		0.00	39,841.60
7503-462		LN2 connections from coils to manifolds	5	2	06JUL11	12JUL11	01NOV10	-163		0.00	39,841.60
7503-464		Connect coil & VV instrumentation	5	2	06JUL11	12JUL11	01NOV10	-171		0.00	39,841.60
7503-466		Connect 150C bakeout	3	2	13JUL11	15JUL11	04NOV10	-171		0.00	19,920.80
7503-470		Install cryostat cooling syst & instrumentation	10	2	25JUL11	05AUG11	29NOV10	-171		0.00	159,366.40
7503-471		Install cryostat upper section, VB & port boots	5	2	08AUG11	12AUG11	06DEC10	-171		0.00	39,841.60
7503-472		Install midplane cryostat sections & port boots	8	2	15AUG11	24AUG11	16DEC10	-171		0.00	59,762.40
7503-473		Install cryostat circulation duct	3	2	25AUG11	29AUG11	21DEC10	-171		0.00	19,920.80
730.8200		PTP and Cool down	3	2	30AUG11	01SEP11	03JAN11	-171		0.00	68,103.20
730.8200M	2	Cooldown of Machine	0	2		01SEP11	03JAN11	-171		0.00	0.00
76 - Tooling Design & Fabrication											
Job: 7601 - Tooling Design & Fabrication-PERRY											
713.020		Lab Fab/Assy/Installation	348		02MAR09*	21JUL10	15JUN10	129		0.00	31,085.25
713.030		Tooling,assy fixtures,misc equipt	348		02MAR09*	21JUL10	15JUN10	129		0.00	85,014.83
713.040		General procurements	348		02MAR09*	21JUL10	15JUN10	129		0.00	63,761.12
713.050		Welding tools, materials & equipt	348		02MAR09*	21JUL10	15JUN10	129		0.00	113,353.10



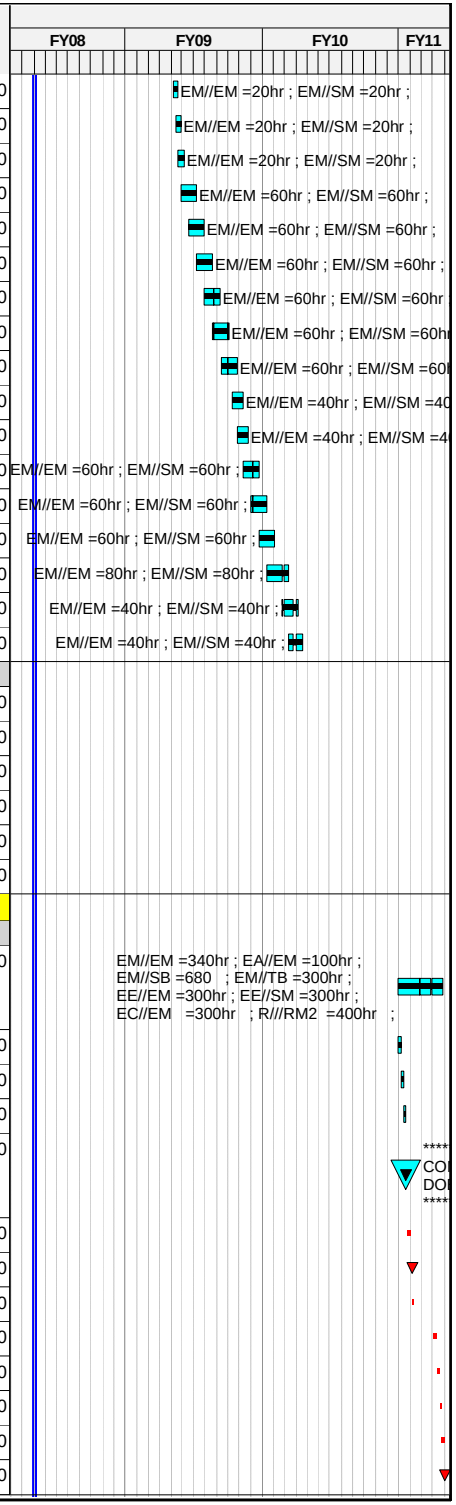
Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
713.060		Torque wrenches and multipliers	348		02MAR09*	21JUL10	15JUN10	129		0.00	120,101.23
81 - Project Management and Control											
Job: 8101 - Project Management &Control-ANDERSON											
FY07 Rebaseline Exercise											
ECP53RBX16		FY07 Rebaseline exercise	0*		01MAY07A	29JUN07A	31MAY07		LOE	4,435.40	4,435.40
810.005		Project Management OfficePPPL FY07 (LOE)	106*		01MAY07A	28SEP07A	28SEP07		LOE	273,667.61	273,667.61
810.900		Project Management Office PPPL FY08 (LOE)	250*		01OCT07A	30SEP08	30SEP08	999	LOE	264,303.85	1,034,172.58
810.901		Project Management Office PPPL FY09 (SA LOE)	249*		01OCT08*	30SEP09	30SEP09	423	LOE	0.00	1,157,648.04
810.909		Project Management Office PPPL FY10 (LOE)	248		01OCT09	30SEP10	30SEP10	423	LOE	0.00	1,074,462.05
810.910		Project Management Office PPPL FY11 (LOE)	79*		01OCT10	31JAN11	31JAN11	423	LOE	0.00	299,398.44
Job: 8102 - NCSX MIE Management ORNL-LYON											
810.104X		Project Management Office ORNL FY07(LOE)	106*		01MAY07A	28SEP07A	28SEP07		LOE	60,420.00	60,420.00
810.105X		Project Management Office ORNL FY08 (LOE)	249*		01OCT07A	29SEP08	29SEP08	1,000	LOE	51,039.00	159,000.00
810.105Z		Project Management Office ORNL FY09 (LOE)	249		02OCT08*	01OCT09	01OCT09	423	LOE	0.00	160,000.00
810.106X		Project Management Office ORNL FY10 (SA LOE)	247		02OCT09	30SEP10	30SEP10	423	LOE	0.00	101,000.00
810.106Z		Project Management Office ORNL FY11 (SA LOE)	79*		01OCT10	31JAN11	31JAN11	423	LOE	0.00	18,960.00
82 - Project Engineering											
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN											
FY07 Rebaseline Exercise											
ECP53RBX19		FY07 Rebaseline exercise	0*		01MAY07A	25JUN07A	25JUN07		LOE	29,619.10	29,619.10
820.04X		Engr Management FY07 (LOE)	106*		01MAY07A	28SEP07A	25SEP07		LOE	143,565.52	143,565.52
820.04Y		Engr management (SA LOE)	827*		01OCT07A	01FEB11	01FEB11	422	LOE	51,563.08	531,578.18
820.04Z		RLM (WBS 13,15,17) (SA LOE)	106*		01MAY07A	28SEP07A	28SEP07		LOE	20,210.68	20,210.68
820.0004Z		RLM (WBS 13,15,17) (SA LOE)	747*		01OCT07A	30SEP10	30SEP10	502	LOE	12,247.94	114,466.70
820.004Z		Reqmnts mgt & design verification	106*		01MAY07A	28SEP07A	28SEP07		LOE	13,938.40	13,938.40
820.00004Z		Reqmnts mgt & design verification	827*		01OCT07A	01FEB11	01FEB11	422	LOE	14,399.53	148,448.71
820-004Y		RLM (WBS 2,3 &6) (SA LOE)	747*		01OCT07A	30SEP10	30SEP10	502	LOE	15,901.99	148,616.69



Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
820.004X		RLM (fabrication) (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422	LOE	147,091.40	739,152.77
820.005		RLM (WBS 4 & 5) (SA LOE)	827*		01OCT07A	01FEB11	01FEB11	422	LOE	17,311.76	178,471.76
8205FY07		Systems Engineering Support document control	933*		01MAY07A	01FEB11	01FEB11	422	LOE	32,253.83	162,079.56
8205FY08		Systems Engineering Support (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422	LOE	56,533.18	284,086.30
Job: 8203 - Design Integration-BROWN											
8203FY07		Design Integration ,& metro support	933*		01MAY07A	01FEB11	01FEB11	422	LOE	195,147.79	980,642.22
8203FY08		CAD Support (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422	LOE	84,967.98	426,974.76
Job: 8204 - Systems Analysis-BROOKS											
8204FY07		Systems Analysis FY07 Analysis for structure dsn	106*		01MAY07A	28SEP07A	28SEP07		LOE	55,753.60	55,753.60
8204FY08		Systems Analysis, studies and tech assurance	932*		01MAY07A	31JAN11	31JAN11	423	LOE	219,648.48	1,098,242.39
Job: 8205 - Dimensional Control Coordin-ELLIS											
METFY07R1	3	Dimensional control plans for station 2	142*		01JUN07A	21DEC07A	31AUG07		100	85,890.93	85,890.93
METDCP-3	3	Dimensional control plans for station 3	138*		09OCT07A	30APR08	15OCT07	-134	25	4,458.24	29,721.60
METDCP-5	3	Dimensional control plans for station 5	80		01MAY08	22AUG08	15FEB08	-22		0.00	59,443.20
METDCP-6	3	Dimensional control plans for station 6	80		25AUG08	17DEC08	09JUN08	-22		0.00	90,930.60
METFY08R		Support FPA Station 2	347		23OCT07A	13APR09	19FEB09	869	LOE	12,163.38	90,099.08
METFY08RX		Support FPA Station 3	402*		12JUN08	28JAN10	08JUN09	-150	LOE	0.00	91,869.58
METFY09		Support FPA Station 5	303*		18JUN09	03SEP10	13NOV09	-164	LOE	0.00	62,766.08
METFY10		Support Final Machine Assy	628*		02MAR09	01SEP11	03JAN11	-171	LOE	0.00	95,336.93
Job: 8210 - FY07 Rebaseling tasks											
FY07 Rebaseline Exercise											
ECP53RBX23		FY07 Rebaseline exercise	40		01MAY07A	26JUN07A	26JUN07		LOE	9,049.20	9,049.20
ECP53RBX25		FY07 Rebaseline exercise	0*		01MAY07A	31MAY07	31MAY07		LOE	9,765.00	9,765.00
Job: 8215 Plant Design											
FY07 Rebaseline Exercise											
8210-07		Update plant model	19		01FEB08	27FEB08	28SEP07	1,150		0.00	16,024.40
8210-08		Plant Design FY08	826*		01OCT07A	31JAN11	31JAN11	423	LOE	10,254.75	105,719.02
85 - Integrated Systems Testing											
Job: 8501 - Integrated Systems Testing-GENTILE											
Startup Documentation											
Y											
8501-101		SAD NCSX Safety Assessment Document (SAD)	45		03NOV08*	15JAN09	15JAN09	185		0.00	48,236.80
8501-129		NCSX-XX, Administrative Control of Procedures	30		24NOV08	15JAN09	15JAN09	184		0.00	24,118.40
8501-133		OP-AD-39, Conduct of Operations	10		16JAN09	29JAN09	29JAN09	184		0.00	6,029.60
8501-137		OP-AD-56, Cntrl Equipt & Syst Status (chain of c	10		23JAN09	05FEB09	05FEB09	184		0.00	6,029.60
8501-141		OP-AD-24, Cntrl Workplace Cleanliness D-Site Exp	10		30JAN09	12FEB09	12FEB09	184		0.00	6,029.60



Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
8501-145		OP-AD-31, D- Site Fire Watch Requirements	10		06FEB09	19FEB09	19FEB09	184		0.00	6,029.60
8501-149		OP-AD-03, Experimental Proposals for NCSX	10		13FEB09	26FEB09	26FEB09	184		0.00	6,029.60
8501-153		OP-AD-117 Operation of the NCSX Access System	10		20FEB09	05MAR09	05MAR09	184		0.00	6,029.60
8501-157		NCSX-OP-XX, Prep of Exper Areas for Machine Ops	30		27FEB09	09APR09	09APR09	184		0.00	18,088.80
8501-161		NCSX-OP-XX, Operation of the NCSX TVPS	30		20MAR09	30APR09	30APR09	184		0.00	18,088.80
8501-165		NCSX-OP-XX, Testing NCSX HIS Safe for Access	30		10APR09	21MAY09	21MAY09	184		0.00	18,088.80
8501-169		NCSX-OP-XX, Testing the NCSX Emergency Stop Syst	30		01MAY09	12JUN09	12JUN09	184		0.00	18,088.80
8501-173		NCSX-OP-XX, NCSX Training Matrix	30		22MAY09	06JUL09	06JUL09	184		0.00	18,088.80
8501-177		NCSX-OP-XX, NCSX Ops Guide -Startup and Shutdown	30		15JUN09	27JUL09	27JUL09	184		0.00	18,088.80
8501-181		NCSX-OP-XX, HPP Daily Operations	20		14JUL09	10AUG09	10AUG09	184		0.00	12,059.20
8501-185		NCSX-OP-XX, ACP & PDP Trip Control Settings	20		28JUL09	24AUG09	24AUG09	184		0.00	12,059.20
8501-189		NCSX-OP-G-XX Preparation for NCSX pumpdown	30		11AUG09	22SEP09	22SEP09	184		0.00	18,088.80
8501-193		NCSX-OP-XX Helium H/C System Operations Procedur	30		01SEP09	13OCT09	13OCT09	184		0.00	18,273.30
8501-197		NCSX-OP-G-XX Daily Hi-Pot Test Vacuum Vessel	30		23SEP09	03NOV09	03NOV09	184		0.00	18,580.80
8501-201		ISTP-NCSX-01 Coil EnergizationTests	40		14OCT09	10DEC09	10DEC09	184		0.00	24,938.40
8501-205		OP-ECS-245 FCPC Daily Startup/Shutdown Procedure	20		25NOV09	05JAN10	05JAN10	184		0.00	12,469.20
8501-209		NCSX-XX Leak Checking of NCSX	20		11DEC09	19JAN10	19JAN10	184		0.00	12,469.20
8501-105		ESHD-5008 Environ, Safety, and Health Manual	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00
8501-109		100ESH-014 NEPA Review System	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00
8501-113		ESH-016 Cntrl Haz Energy Sources Lockout Tagout	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00
8501-117		ENG-030 PPPL Tech Proced for Exper Facilities	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00
8501-121		100100ENG-032 PPPL Work Planning Procedure	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00
8501-125		100ENG-033 PPPL Engineering Design Verification	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00
920.000		Startup Personnel	76	1	01OCT10	26JAN11	26JAN11	426		0.00	418,829.00
8501-102		Punch list & CSIS & HIS PTP's complete,	5	1	01OCT10*	07OCT10	07OCT10	5		0.00	0.00
8501-103		PTP's complete for ECS,HCS,vac pmpg	5	1	08OCT10	14OCT10	14OCT10	5		0.00	0.00
8501-104		ACC review and ORA	5	1	15OCT10	21OCT10	21OCT10	5		0.00	0.00
730.1250	2	PSO Operational Readiness Assessment	0	1		21OCT10	21OCT10	5		0.00	0.00
8501-301		Configure for Startup ISTP	5	1	06JUL11	12JUL11	01NOV10	-168		0.00	0.00
8501-304	2	Begin Start-up Testing	0	1		15JUL11	04NOV10	-171		0.00	0.00
8501-305		Coil Testing at room temp	5	1	18JUL11	22JUL11	11NOV10	-171		0.00	0.00
8501-106		Coil testing @ cryo temp, Pump-down VV	5	1	02SEP11	09SEP11	10JAN11	-171		0.00	0.00
8501-107		Combined field testing, Make 1st Plasma	5	1	12SEP11	16SEP11	17JAN11	-171		0.00	0.00
8501-108		Vent VV, Config for & instl e-beam mapping	5	1	19SEP11	23SEP11	24JAN11	-171		0.00	0.00
8501-306		E-beam mapping	5	1	26SEP11	30SEP11	31JAN11	-171		0.00	0.00
8501-110	1	NCSX Startup Complete	0	1		30SEP11	31JAN11	-171		0.00	0.00



Activity ID	MILE	Activity Description	Duration (work days	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget
730.9000	1	CD-4	0	1		23DEC11*	23DEC11*	0		0.00	0.00
99 - PPPL Allocations											
Job: 8998 - Allocations-STRYKOWSKY											
99.07		PPPL Allocations FY07 LOE	106*		01MAY07A	28SEP07A	28SEP07		LOE	144,040.90	144,040.90
99.08		PPPL Allocations FY08 LOE	249*		01OCT07A	29SEP08	29SEP08	1,000	LOE	123,387.26	384,384.00
99.081		PPPL Allocations FY09 LOE	247*		01OCT08*	28SEP09	28SEP09	752	LOE	0.00	406,232.00
99.09		PPPL Allocations FY10 SA LOE	248*		01OCT09*	30SEP10	30SEP10	502	LOE	0.00	430,800.00
99.10		PPPL Allocations FY10	80*		01OCT10*	01FEB11	01FEB11	422	LOE	0.00	88,320.00
Contingency											
Contingency-Project											
C07		Contingency FY07	19		01FEB08*	27FEB08	25OCT07	1,150		0.00	704,700.00
C07EVERSON		Balance of everson encumbrance fy07 (BA)	19*		04SEP07A	28SEP07A	28SEP07		100	144,020.00	144,020.00
C08		Contingency FY08	169*		01FEB08*	29SEP08	29SEP08	1,000		0.00	1,500,000.00
C09		Contingency FY09	247*		01OCT08*	28SEP09	28SEP09	752		0.00	3,494,000.00
C10		Contingency FY10	246*		01OCT09*	28SEP10	28SEP10	504		0.00	3,837,300.00
C11		Contingency FY11	248*		01OCT10*	28SEP11	28SEP11	254		0.00	2,300,000.00
ACtual Cost											
Actual Cost											
COST FY03		FY03 Cost	197		01APR03A	30SEP03A	30SEP03A			5,941,920.00	5,941,920.00
COST FY04		FY04 Cost	197		01OCT03A	30SEP04A	30SEP04A			14,314,350.00	14,314,350.00
COST FY05		FY05 Cost	197		01OCT04A	30SEP05A	30SEP05A			18,131,610.00	18,131,610.00
COST FY06		FY06 Cost	197		01OCT05A	29SEP06A	29SEP06A			19,072,810.00	19,072,810.00
COSTFY0306		FY07 Oct through April 30	197		01OCT06A	30APR07A	30APR07A			9,845,060.00	9,845,060.00
COSTFY0307		FY07 retroactive site rate adjustment (49% to46%	197		02JUL07A	31JUL07A	31JUL07A			-127,340.00	-127,340.00
BA Funding Profile											
Funding											
Funding'											
F07		MIE Funding FY07	19*		04SEP07A	28SEP07A	28SEP07			16,770,920.00	16,770,920.00
F08		MIE Funding FY08	169*		01FEB08*	29SEP08	29SEP08	1,000		0.00	15,900,000.00
F09		MIE Funding FY09	247*		01OCT08*	28SEP09	28SEP09	752		0.00	18,560,000.00