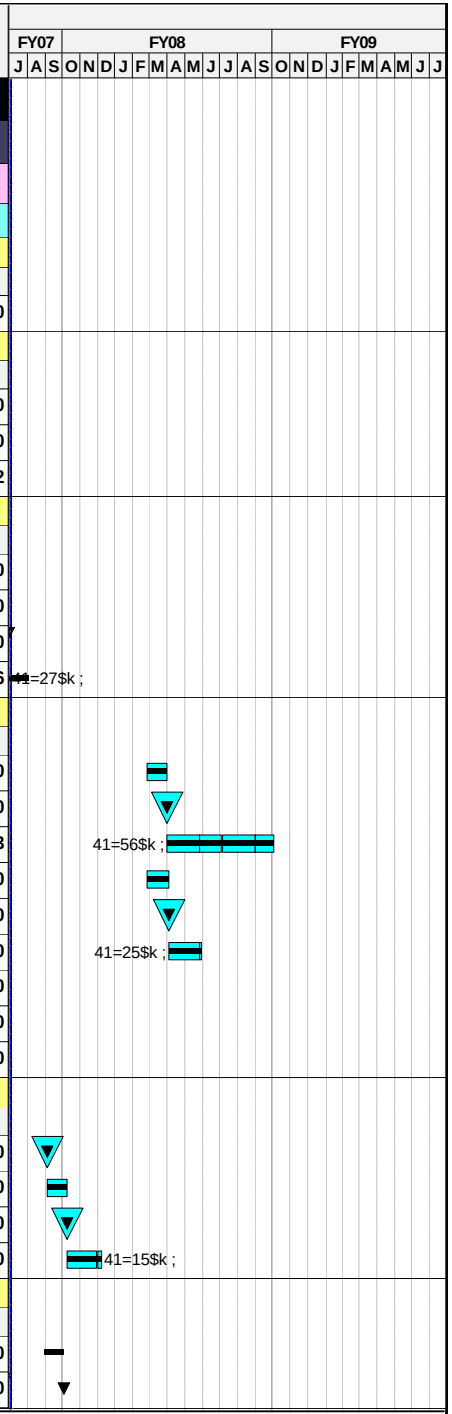
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
cc 9450 - NCSX Fabrication (MIE)											
1 - Stellarator Core Systems											
12 - Vacuum Vessel Systems											
Job: 1204 - VV Sys Procurements (nonVVSA)-DUDEK											
VV Vertical Supports											
124-037		PPPL Fab VV Vert. Sprts (log # M1091) (complet	197	01MAY07A	01MAY07A	01MAY07A				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	26FEB08	31MAR08	31MAR08		76		0.00	0.00
123-045		Award Insulation Boots	0		31MAR08*	31MAR08*		76		0.00	0.00
123-050		Fabricate& Deliver Insul Boots	130	01APR08	02OCT08	02OCT08		76		0.00	72,997.33
122-035		Issue req,Bid & Award Port Thermal Insulation	25	27FEB08	01APR08	01APR08		115		0.00	0.00
122-041		Award Port Thermal Insulation	0		01APR08*	01APR08*		115		0.00	0.00
122-051		Deliver Port Thermal Insulation	40	02APR08	28MAY08	28MAY08		115		0.00	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		04SEP07*	04SEP07*		136		0.00	0.00
1204-125		Issue req,Bid & Award -Heater Tape for port stub	25	05SEP07	09OCT07	09OCT07		136		0.00	0.00
1204-129		Award Heater Tape for port stubs	0		09OCT07	09OCT07		136		0.00	0.00
1204-130		Deliver Heater Tape for port stubs	40	10OCT07	06DEC07	06DEC07		136		0.00	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



Run Date 02AUG07 13:05
Data Date 01JUL07

Forecast
Progress Bar
Critical Activity

ETCS

NCSX Project
Status through July 1st

Sheet 1 of 53

STATUS THROUGH 6/30/07 INCLUDED

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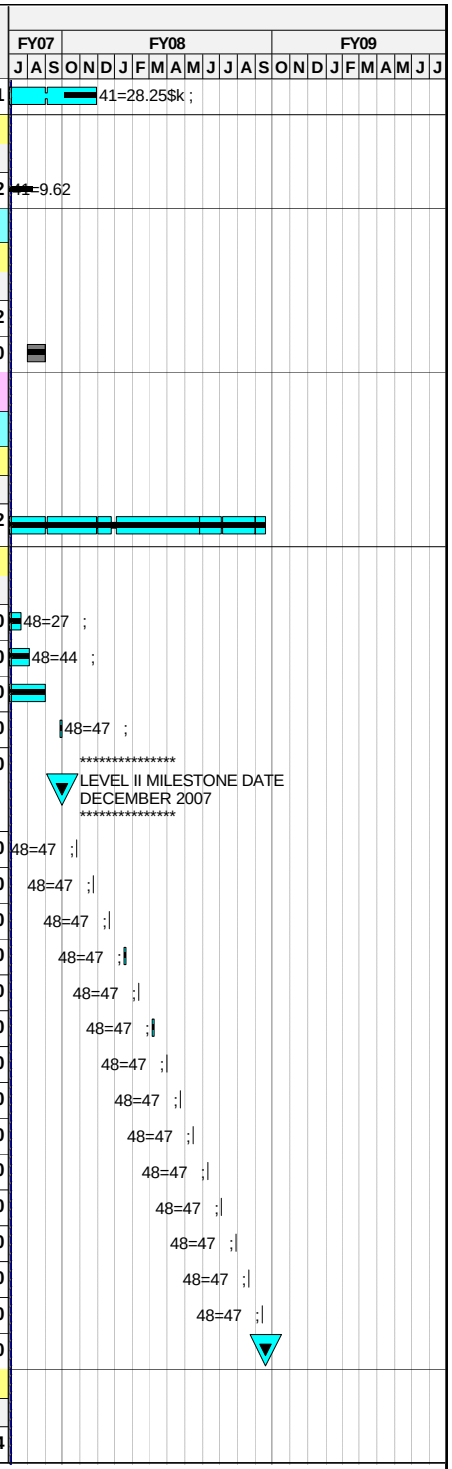
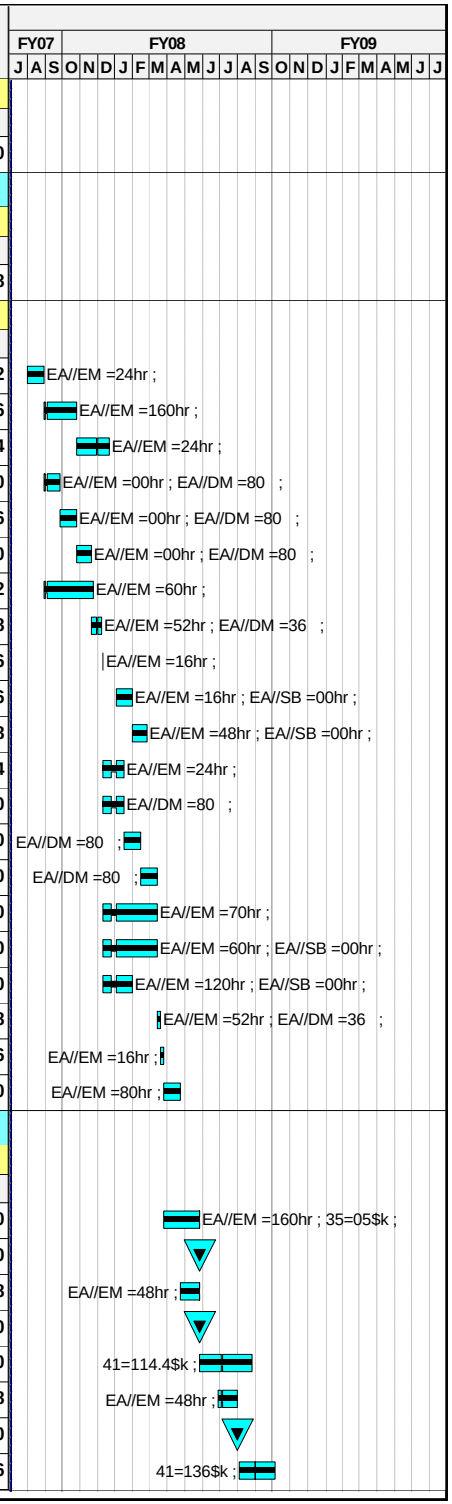
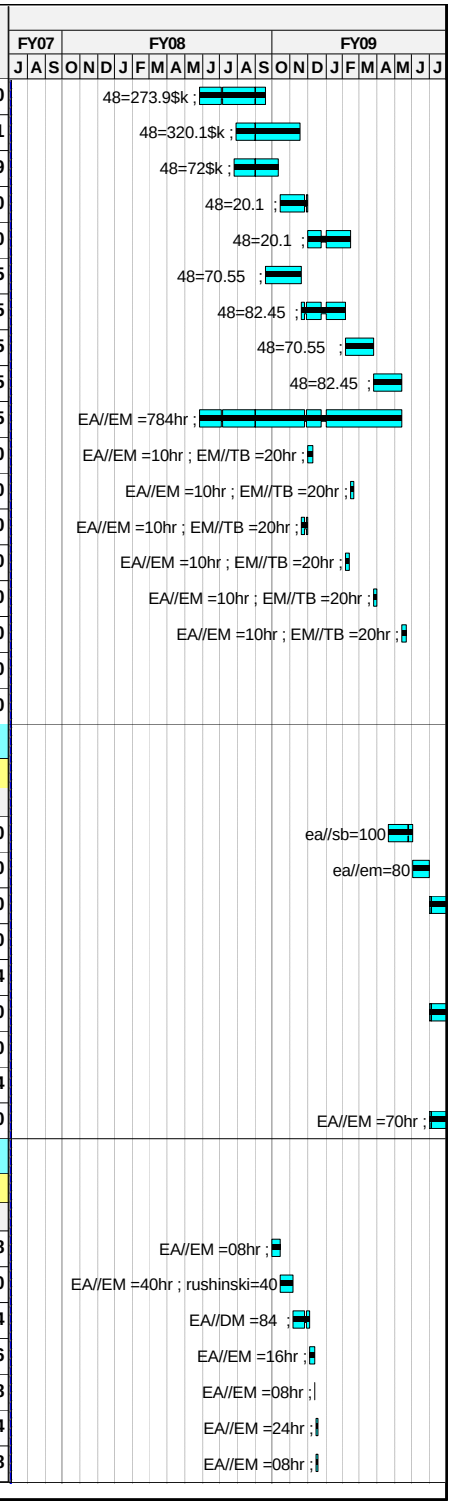
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
1204-153		Deliver T/C and Heater Tape Leads	126*	04JUN07A	28NOV07	28NOV07		132	50	18,177.76	36,355.51
Flux loop junction boxes and spacer templates											
1204-173M		Material Delivery (desifn/fab in job 3101)	35	01JUN07A	29JUN07A	08AUG07			100	12,275.12	12,275.12
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*	01AUG07A	31AUG07A	31AUG07A			0	-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	18SEP08	18SEP08		332	LOE	57,305.86	212,758.02
TF Fabrication Contract											
1361C-101		Fab, Test & Deliver Coil #1	35*	01JUN07A	20JUL07	20JUL07		356	90	24,489.00	27,210.00
1361C-102		Fab, Test & Deliver Coil #2	45*	01JUN07A	03AUG07	03AUG07		391	45	19,615.50	43,590.00
1361C-103		Fab, Test & Deliver Coil #3	44*	02JUL07*	31AUG07	31AUG07		379		0.00	47,210.00
1361C-104		Fab, Test & Deliver Coil #4	1	28SEP07*	28SEP07	28SEP07		360		0.00	47,210.00
1361C-104M	2	** DELIVER TF COILS FOR FPA #1 ASSY **	0		28SEP07	28SEP07		360		0.00	0.00
1361C-105		Fab, Test & Deliver Coil #5	1	26OCT07*	26OCT07	26OCT07		422		0.00	47,210.00
1361C-106	3	Fab, Test & Deliver Coil #6	1	23NOV07*	23NOV07	23NOV07		402		0.00	47,210.00
1361C-107		Fab, Test & Deliver Coil #7	1	21DEC07*	21DEC07	21DEC07		393		0.00	47,210.00
1361C-108		Fab, Test & Deliver Coil #8	1	18JAN08*	18JAN08	18JAN08		380		0.00	47,210.00
1361C-109		Fab, Test & Deliver Coil #9	1	12FEB08*	12FEB08	12FEB08		374		0.00	47,210.00
1361C-110		Fab, Test & Deliver Coil #10	1	06MAR08*	06MAR08	06MAR08		357		0.00	47,210.00
1361C-111		Fab, Test & Deliver Coil #11	1	31MAR08*	31MAR08	31MAR08		348		0.00	47,210.00
1361C-112		Fab, Test & Deliver Coil #12	1	23APR08*	23APR08	23APR08		331		0.00	47,210.00
1361C-113		Fab, Test & Deliver Coil #13	1	16MAY08*	16MAY08	16MAY08		418		0.00	47,210.00
1361C-114		Fab, Test & Deliver Coil #14	1	10JUN08*	10JUN08	10JUN08		402		0.00	47,210.00
1361C-115		Fab, Test & Deliver Coil #15	1	03JUL08*	03JUL08	03JUL08		385		0.00	47,220.00
1361C-116		Fab, Test & Deliver Coil #16	1	28JUL08*	28JUL08	28JUL08		369		0.00	47,220.00
1361C-117		Fab, Test & Deliver Coil #17	1	20AUG08*	20AUG08	20AUG08		352		0.00	47,220.00
1361C-118		Fab, Test & Deliver Coil #18	1	12SEP08*	12SEP08	12SEP08		336		0.00	47,220.00
1351-195X	3	ALL TF COILS DELIVERED	0		18SEP08	18SEP08		332		0.00	0.00
FY07 Rebaseline Exercise											
ECP53RBX03		FY07 Rebaseline exercise	22*	01MAY07A	31MAY07A	31MAY07A			100	1,393.84	1,393.84



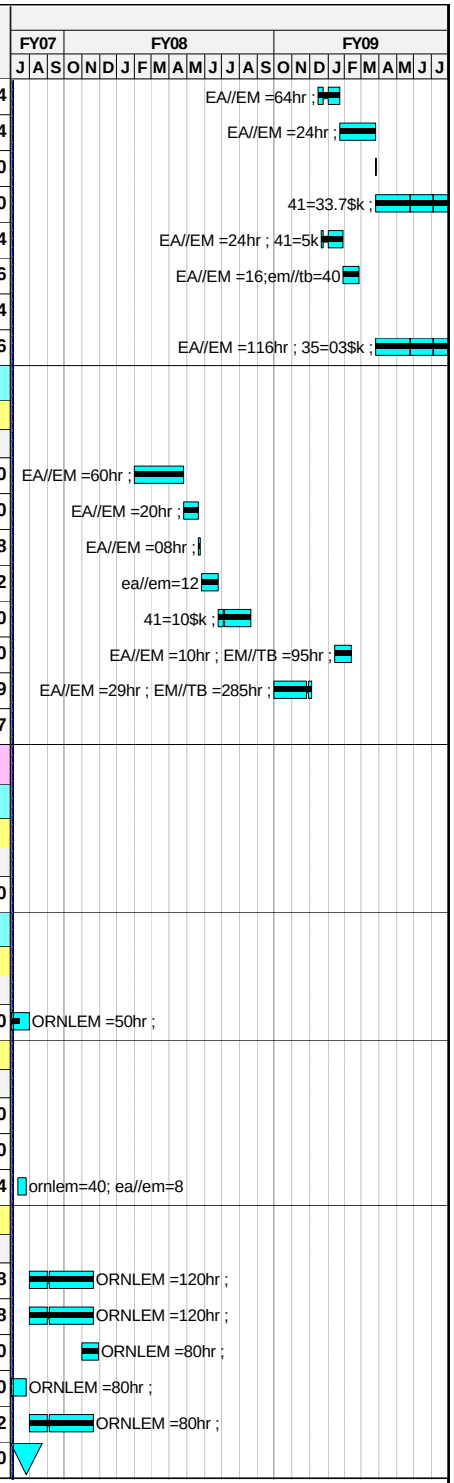
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
99.07X		Retroactive MHX exclusion	22*	01MAY07A	31MAY07A	31MAY07A			100	-38,281.20	-38,281.20
Job: 1302 - PF Design -KALISH											
FY07 Rebaseline Exercise											
ECP53RBX02		FY07 Rebaseline exercise	22*	01MAY07A	31MAY07A	31MAY07A				4,529.98	4,529.98
1302-200		Complete PF Coil SRD	20	01AUG07*	28AUG07	28AUG07		15		0.00	4,181.52
1302-205		Update PF Analysis	40	29AUG07	24OCT07	24OCT07		67		0.00	28,706.96
1302-210		Update PF Coil SDD	40	25OCT07	21DEC07	21DEC07		67		0.00	4,458.24
1302-211		Complete PF4 PDR Model	20	29AUG07	26SEP07	26SEP07		15		0.00	13,938.40
1302-212		Complete PF5 PDR Model	20	27SEP07	24OCT07	24OCT07		15		0.00	14,768.56
1302-213		Complete PF6 PDR Model	20	25OCT07	21NOV07	21NOV07		15		0.00	14,860.80
1302-251		PDR Level Design Support Support	62	29AUG07	23NOV07	23NOV07		23		0.00	10,900.12
1302-220		Prepare for PDR	10	22NOV07	07DEC07	07DEC07		15		0.00	16,346.88
1302-225	2	PDR	2	10DEC07	11DEC07	11DEC07		15		0.00	2,972.16
1302-214		Prepare,Review & Approve conductor spec	20	02JAN08*	29JAN08	29JAN08		32		0.00	2,972.16
1302-216		Prepare,Review & Approve coil spec	20	30JAN08	26FEB08	26FEB08		32		0.00	8,916.48
1302-240		Disposition PDR Chits	20	12DEC07	17JAN08	17JAN08		55		0.00	4,458.24
1302-235		Detail Drawings PF4	20	12DEC07	17JAN08	17JAN08		15		0.00	14,860.80
1302-245		Detail Drawings PF5	20	18JAN08	14FEB08	14FEB08		15		0.00	14,860.80
1302-260		Detail Drawings PF6	20	15FEB08	13MAR08	13MAR08		15		0.00	14,860.80
1302-250		Analysis Support	60	12DEC07	13MAR08	13MAR08		15		0.00	13,003.20
1302-217		Drawing Support	60	12DEC07	13MAR08	13MAR08		15		0.00	11,145.60
1302-218		PF Stress Analysis with leads	30	12DEC07	31JAN08	31JAN08		45		0.00	22,291.20
1302-265		Prepare for FDR	5	14MAR08	20MAR08	20MAR08		15		0.00	16,346.88
1302-270	3	PF FDR	2	21MAR08	24MAR08	24MAR08		15		0.00	2,972.16
1302-275		Resolve Chits	20	25MAR08	21APR08	21APR08		110		0.00	14,860.80
Job: 1352 - PF Coil Procurement-KALISH											
PF Coil Fabrication											
141-035		Bid & Award PF Coil Fabrication	45	25MAR08	27MAY08	27MAY08		15		0.00	35,811.60
141-036	2	PF Coils Awarded	0		27MAY08	27MAY08		15		0.00	0.00
141-037		Bid & Award Conductor	25	22APR08	27MAY08	27MAY08		85		0.00	8,916.48
141-038	3	PF Conductor Awarded	0		27MAY08*	27MAY08*		85		0.00	0.00
141-038.1		PF Conductor Delivery	65	28MAY08	27AUG08	27AUG08		85		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



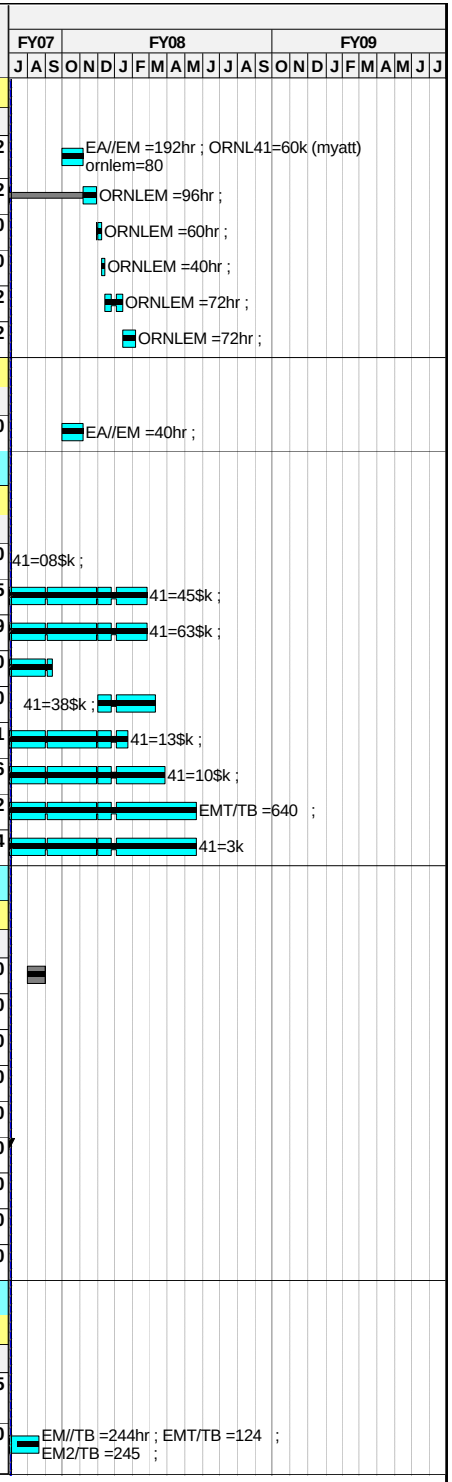
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
1352-121		Design/Fab Tooling for PF 5	80	28MAY08	18SEP08	18SEP08		15		0.00	280,747.50
1352-122		Design/Fab Tooling for PF 6	80	28JUL08*	17NOV08	17NOV08		18		0.00	331,639.61
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	19SEP08	20NOV08	20NOV08		15		0.00	73,821.95
1352-145		Fabricate/Dlvr PF 6 Lower	45	21NOV08	04FEB09	04FEB09		15		0.00	86,654.95
1352-166		Fabricate/Dlvr PF 5 Upper	35	05FEB09	25MAR09	25MAR09		341		0.00	74,148.05
1352-146		Fabricate/Dlvr PF 6 Upper	35	26MAR09	13MAY09	13MAY09		341		0.00	86,654.95
141-031		Title III engr WBS 132	241	28MAY08	14MAY09	14MAY09		846	LOE	0.00	148,348.45
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	21NOV08	01DEC08	01DEC08		60		0.00	3,561.30
141-902		PF6 Lower Inspection & Test	5	05FEB09	11FEB09	11FEB09		15		0.00	3,561.30
141-905		PF5 Upper Inspection & Test	5	26MAR09	01APR09	01APR09		376		0.00	3,561.30
141-906		PF6 Upper Inspection & Test	5	14MAY09	20MAY09	20MAY09		341		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	30	20APR09	01JUN09	01JUN09		101		0.00	12,342.00
1353-002		Engr & analysis of bus	20	02JUN09	29JUN09	29JUN09		101		0.00	15,296.80
1353-003		Bid & Award PF1a bus	45	30JUN09	01SEP09	01SEP09		101		0.00	0.00
1353-004		Award PF1a bus	0		01SEP09*	01SEP09*		101		0.00	0.00
1353-005		Fab & Deliver PF1a bus	130	02SEP09	17MAR10	17MAR10		101		0.00	48,162.54
163-035		Bid & Award CS Support Struct	45	30JUN09	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	175*	30JUN09	17MAR10	17MAR10		101	LOE	0.00	13,670.70
Job: 1354 - Trim Coil Design &Procurement-KALISH											
Trim Coils											
1303-101		Complete Trim Coil SRD	10	01OCT08*	14OCT08	14OCT08		13		0.00	1,529.68
1303-103		Analysis	15	15OCT08*	04NOV08	04NOV08		13		0.00	15,296.80
1303-105		FDR Dwgs for coils and supports	20	05NOV08*	04DEC08	04DEC08		13		0.00	16,061.64
1303-107		Prepare for FDR	5	05DEC08*	11DEC08	11DEC08		13		0.00	3,059.36
1303-110		Trim Coil FDR	1	12DEC08*	12DEC08	12DEC08		13		0.00	1,529.68
1303-112		Prepare Procurement Coil Spec	5	15DEC08*	19DEC08	19DEC08		28		0.00	4,589.04
1303-114		Disposition FDR Chits	5	15DEC08*	19DEC08	19DEC08		28		0.00	1,529.68



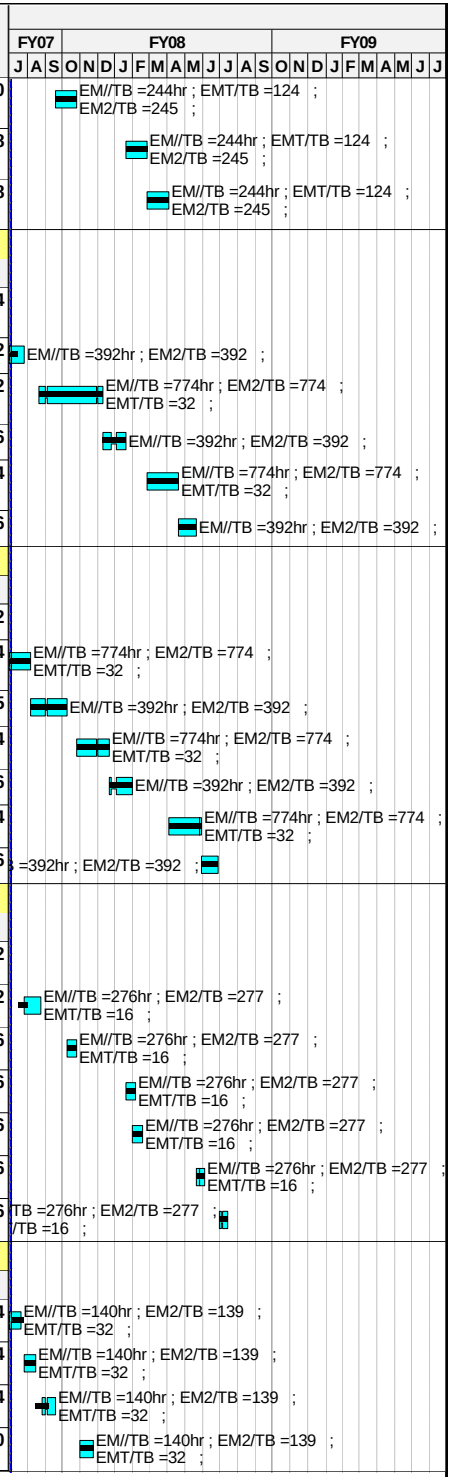
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
1303-116		Detail Fabrication Drawings	20	15DEC08*	20JAN09	20JAN09		13		0.00	12,237.44
184-035		Bid & Award Ext Trim Coils	45	21JAN09	24MAR09	24MAR09		13		0.00	4,589.04
184-036		Award External Trim Coils	0	25MAR09	24MAR09	24MAR09		13		0.00	0.00
184-037		External Trim Coil & Supports Procurement	88	25MAR09	28JUL09	28JUL09		13		0.00	47,078.90
1303-040		Procure materials for supports	20	22DEC08	27JAN09	27JAN09		121		0.00	11,574.04
1303-041		Fabricate Supports	20	28JAN09	24FEB09	24FEB09		121		0.00	6,357.76
1303-042		Install supports onto coils	15	29JUL09	18AUG09	18AUG09		13		0.00	11,185.84
184-015		Title III WBS 133 Rxt Trim Coils	88	25MAR09	28JUL09	28JUL09		13	LOE	0.00	25,285.36
Job: 1355 - WBS 13 I&C Proc and Coil Assy-KALISH											
TF/PF Loacl I&C											
1355-101		Design, and Review	60	01FEB08*	24APR08	24APR08		86		0.00	11,145.60
1355-103		Prepare Installation Procedures	20	25APR08	22MAY08	22MAY08		86		0.00	3,715.20
1355-105		FDR	1	23MAY08	23MAY08	23MAY08		86		0.00	1,486.08
1355-107		Prep req,bid,award T/C and wire	20	27MAY08	23JUN08	23JUN08		86		0.00	2,229.12
1355-109		Deliver of T/C and wire	40	24JUN08	19AUG08	19AUG08		86		0.00	13,080.00
1355-111		Installation on PF4,5,6 Coils upon delivery	20	15JAN09	11FEB09	11FEB09		15		0.00	9,745.80
1355-112		Installation on TF Coils upon delivery	45	01OCT08*	04DEC08	04DEC08		57		0.00	29,046.19
1355-113		Installation on PF1a Coils upon delivery	3	15MAR10	17MAR10	17MAR10		101		0.00	1,561.87
14 - Modular Coils											
Job: 1404 - MCWF R&D 1st Prod CastingCLOSED****											
99.07Z		Retroactive MHX exclusion	22*	01MAY07A	31MAY07A	31MAY07A				-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	31JUL07	13JUL07		50	60	4,671.60	7,786.00
Blanket thermal insulation											
1416-304		Revise assembly models/drawings	5	01JUN07A	07JUN07A	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	12*	11JUL07*	26JUL07	28JUN07		60		0.00	7,622.64
Top level assy models/drawings											
1416-503		Complete models/drawings of power cable connect	80	01AUG07*	21NOV07	21NOV07		79		0.00	19,030.68
1416-504		Complete models/drawings of protective covers	80	01AUG07*	21NOV07	21NOV07		79		0.00	19,030.68
1416-507		Update, review and approve coil asm spec	21	31OCT07*	28NOV07	28NOV07		137		0.00	12,940.80
1416-508		Complete drawing rev to leads, terminal asm (ECN	61*	01MAY07A	26JUL07	30MAY07		162	60	7,474.56	12,457.60
1416-506	3	Check and promote top-level models/drawings	80	01AUG07	21NOV07	21NOV07		79		0.00	12,687.12
1416-509	3	MC Assy FDR	0		26JUL07*			1,294		0.00	0.00



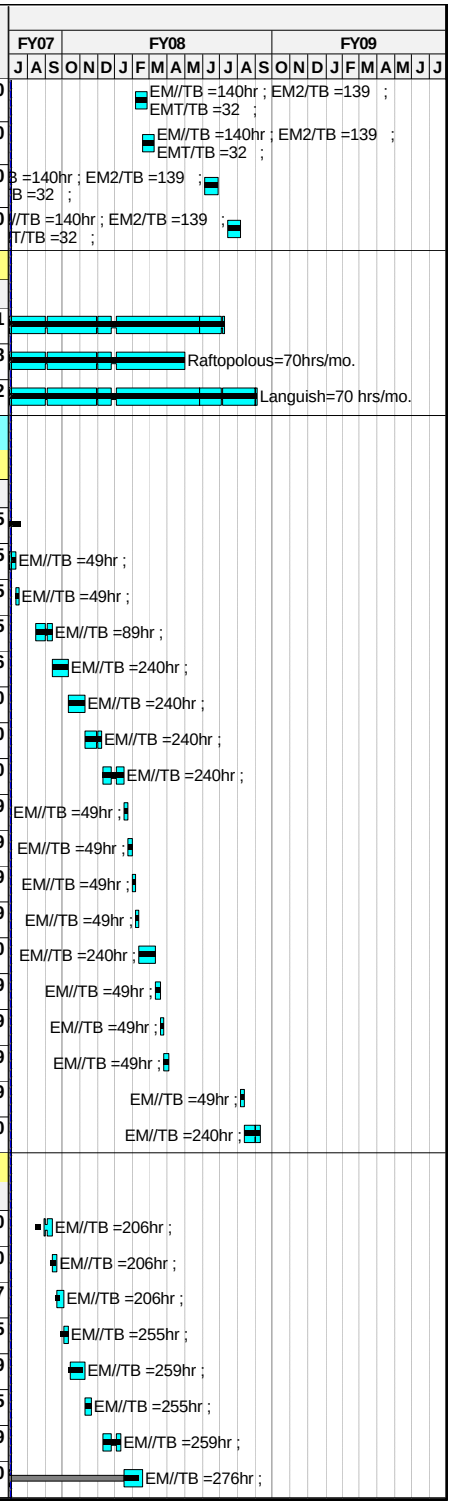
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
Analysis and closeout documentation											
1416-601	3	Prepare EM and structural analysis of leads	27	01OCT07*	06NOV07	06NOV07		65		0.00	110,106.72
1416-602		Design memo KF structural analysis	126*	01JUN07A	27NOV07	27NOV07		65	50	7,595.36	15,190.72
1416-603		Update, review and approve FMECA	5	28NOV07	06DEC07	06DEC07		65		0.00	9,705.60
1416-604		Finalize draft documents - materials, eddy curre	5	07DEC07	13DEC07	13DEC07		65		0.00	6,470.40
1416-605	3	Prepare Type-ABC closeout FDR	15	14DEC07	14JAN08	14JAN08		65		0.00	11,646.72
1416-606		Resolve FDR comments	15	15JAN08	04FEB08	04FEB08		65		0.00	11,646.72
Type C Design Closeout											
1403-47C		Perform cool-down/warmup analysis	26	01OCT07*	05NOV07	05NOV07		445		0.00	7,430.40
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		125	LOE	5,816.70	58,166.95
1408-3		Misc and safety supplies ($7k/mo.)	188*	23MAY07A	26FEB08	26FEB08		189	LOE	11,727.20	81,438.89
1408-4		Procure & Deliver Thermocouples	50	02JUL07*	11SEP07	11SEP07		14		0.00	66,352.00
1408-4.1		Procure & Deliver Strain Gages	65	03DEC07*	11MAR08	11MAR08		137		0.00	49,704.00
1408-5		Epoxy/glass for mold shell	164*	23MAY07A	23JAN08	23JAN08		126	LOE	838.79	16,775.71
1408-6		VPI clean manifold contract	210*	23MAY07A	27MAR08	27MAR08		128	LOE	647.14	12,942.86
1408-7		Misc tech shop support	250*	23MAY07A	22MAY08	22MAY08		127	LOE	5,413.78	50,127.62
1408-8		Cutting hardware for flange bolts	250*	23MAY07A	22MAY08	22MAY08		1,089	LOE	420.06	3,889.44
Job: 1411 - MCWF Fabr. S005242-HEITZENROEDER											
99.09W		Retroactive mhx exclusion adjustment	213	01AUG07A	31AUG07A	31AUG07A			0	-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*	19APR07A	22MAY07A	22MAY07	2*		100	47,982.05	47,982.05
P3-061		Receive B5, Prep& Instl Cladding	41*	25JUN07A	21AUG07	21AUG07	1.5	37	40	19,162.76	47,906.90



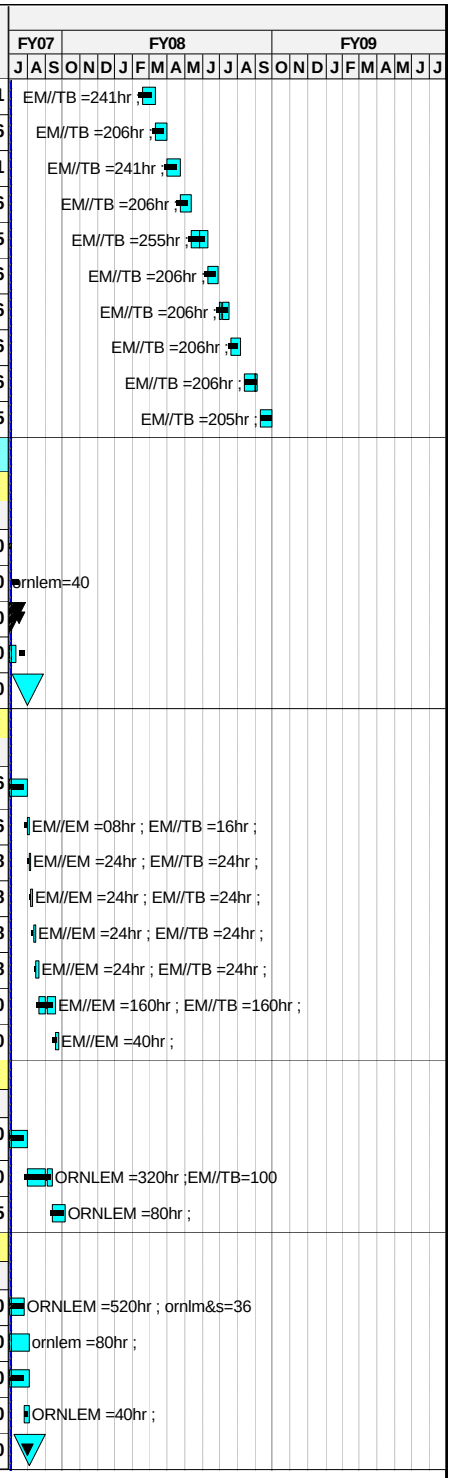
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
P1-151		Receive A6, Prep& Instl Cladding	27	19SEP07*	25OCT07	25OCT07	1.5	56		0.00	50,132.70
P2-031		Receive C6, Prep& Instl Cladding	27	21JAN08*	26FEB08	26FEB08	1.5	37		0.00	51,069.88
P3-151		Receive B6, Prep& Instl Cladding	27	27FEB08*	03APR08	03APR08	1.5	37		0.00	51,069.88
Station 2-Winding, Instl Chill Plates,Tubing,Bag											
P2-161		Wind coil B4	54*	16APR07A	12JUN07A	12JUN07	2		100	124,549.74	124,549.74
P2-170		Instl Chill Plates,Tubing,Bag B4	31*	13JUN07A	26JUL07	13JUL07	1	55	80	49,489.22	61,861.52
P3-071		Wind coil B5	76	22AUG07	10DEC07	10DEC07	1	37		0.00	129,851.92
P3-080		Instl Chill Plates,Tubing,Bag B5	22	11DEC07	18JAN08	18JAN08	2	37		0.00	65,946.16
P2-041		Wind coil C6	38	27FEB08	18APR08	18APR08	2	49		0.00	132,773.54
P2-050		Instl Chl Plates,Tubing, Bag C6	22	21APR08	20MAY08	20MAY08	2	49		0.00	65,946.16
Station 4-Winding, Instl Chill Plates,Tubing,Bag											
P2-080		Instl Chill Plates,Tubing,Bag B3	64*	01APR07A	09MAY07A	09MAY07	2		100	61,861.52	61,861.52
P2-131		Wind coil A5	53*	23MAY07A	07AUG07	07AUG07	1	68	80	99,639.79	124,549.74
P2-140		Instl Chl Plates,Tubing, Bag A5	44	08AUG07	09OCT07	09OCT07	1	68		0.00	62,511.35
P1-161		Wind coil A6	38	26OCT07	20DEC07	20DEC07	2	56		0.00	132,773.54
P1-170		Instl Chill Plates,Tubing,Bag A6	22	21DEC07	30JAN08	30JAN08	2	56		0.00	65,946.16
P3-161		Wind coil B6	38	04APR08	28MAY08	28MAY08	2	37		0.00	132,773.54
P3-170		Instl Chill Plates,Tubing,Bag B6	22	29MAY08	27JUN08	27JUN08	2	37		0.00	65,946.16
Station 5-VPI											
P2-081V		VPI (Station 5) B3	11	10MAY07A	24MAY07A	24MAY07	2		100	44,840.62	44,840.62
P3-081V		VPI (Station 5) B4	21	27JUL07*	24AUG07	30JUL07	2	183		0.00	44,840.62
P1-081V		VPI (Station 5) A5	11	10OCT07*	24OCT07	24OCT07	2	179		0.00	47,801.36
P2-171V		VPI (Station 5) B5	11	21JAN08	04FEB08	04FEB08	2	129		0.00	47,801.36
P1-171V		VPI (Station 5) A6	11	01FEB08*	15FEB08	15FEB08	2	134		0.00	47,801.36
P2-051V		VPI (Station 5) C6	11	21MAY08	05JUN08	05JUN08	2	49		0.00	47,801.36
P3-171V	2	VPI (Station 5) B6	11	30JUN08	15JUL08	15JUL08	2	37		0.00	47,801.36
Station 1 Post VPI											
P3-141C		Final Clamps & Warm Test (Station1) A4	18*	25JUN07A	19JUL07	26JUL07	1	126	80	19,532.43	24,415.54
P2-081C		Final Clamps & Warm Test (Station1) B3	15	27JUL07*	16AUG07	16AUG07	1	121		0.00	24,415.54
P3-081C		Final Clamps & Warm Test (Station1) B4	15	27AUG07	17SEP07	07SEP07	1	183		0.00	24,415.54
P1-081C		Final Clamps & Warm Test (Station1) A5	15	02NOV07*	22NOV07	22NOV07	1	173		0.00	26,027.60



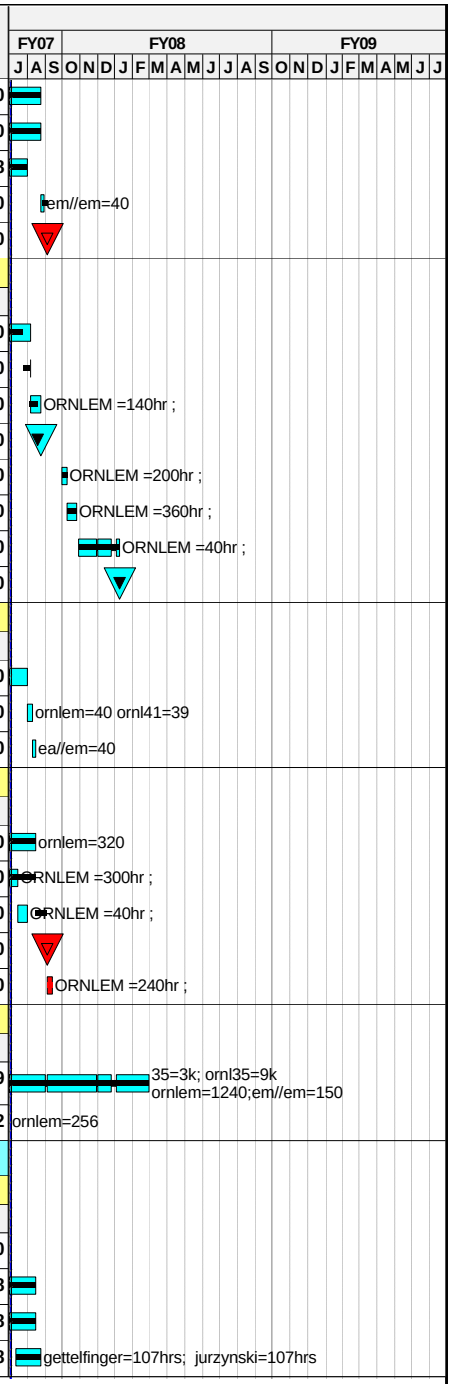
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
P3-171C		Final Clamps & Warm Test (Station1) B5	15	05FEB08	25FEB08	25FEB08	1	129		0.00	26,027.60
P1-171C		Final Clamps & Warm Test (Station1) A6	15	18FEB08	07MAR08	07MAR08	1	134		0.00	26,027.60
P2-051C		Final Clamps & Warm Test (Station1) C6	15	06JUN08	26JUN08	26JUN08	1	49		0.00	26,027.60
P2-171C		Final Clamps & Warm Test (Station1) B6	15	16JUL08	05AUG08	05AUG08	1	37		0.00	26,027.60
LOE Oversight & Supervision											
145XSPRV-1		Winding Engineering oversight and supervision	298*	01MAY07A	09JUL08	09JUL08		1,057	LOE	76,545.05	531,562.91
145XSPRV-2		Winding Engineering oversight and supervision	250*	01MAY07A	30APR08	30APR08		1,105	LOE	26,132.28	151,931.88
145XSPRV-3		Winding Engineering oversight and supervision	337*	01MAY07A	03SEP08	03SEP08		1,018	LOE	22,601.28	176,572.52
Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI											
Punchlist Tech shop/RESA											
PLTS-B2		Grinding -B2	13*	18JUN07A	22JUN07A	19JUL07	1		100	15,706.35	15,706.35
PLTS-A2		Grinding -A2	11*	25JUN07A	10JUL07	10JUL07	1	49	95	3,498.23	3,682.35
PLTS-B1		Grinding -B1	5	11JUL07*	17JUL07	17JUL07	1	49		0.00	3,682.35
PLTS-A1		Grinding -A1	18	17AUG07*	12SEP07	12SEP07	1	27		0.00	6,688.35
PLTS-C1		Grinding & Drill Holes -C1	20	13SEP07	10OCT07	10OCT07	1	43		0.00	18,512.16
PLTS-C2		Grinding & Drill Holes -C2	20	11OCT07	07NOV07	07NOV07	1	43		0.00	19,226.40
PLTS-C3		Grinding & Drill Holes -C3	20	08NOV07	07DEC07	07DEC07	1	43		0.00	19,226.40
PLTS-C4		Grinding & Drill Holes -C4	20	10DEC07	15JAN08	15JAN08	1	43		0.00	19,226.40
PLTS-A3		Grinding -A3	5	16JAN08	22JAN08	22JAN08	1	61		0.00	3,925.39
PLTS-B3		Grinding -B3	5	23JAN08	29JAN08	29JAN08	1	73		0.00	3,925.39
PLTS-A4		Grinding -A4	5	30JAN08	05FEB08	05FEB08	1	85		0.00	3,925.39
PLTS-B4		Grinding -B4	5	06FEB08	12FEB08	12FEB08	1	91		0.00	3,925.39
PLTS-C5		Grinding & Drill Holes -C5	20	13FEB08	11MAR08	11MAR08	1	91		0.00	19,226.40
PLTS-A5		Grinding -A5	5	12MAR08	18MAR08	18MAR08	1	104		0.00	3,925.39
PLTS-B5		Grinding -B5	5	19MAR08	25MAR08	25MAR08	1	113		0.00	3,925.39
PLTS-A6		Grinding -A6	5	26MAR08	01APR08	01APR08	1	122		0.00	3,925.39
PLTS-B6		Grinding -B6	5	06AUG08	12AUG08	12AUG08	1	37		0.00	3,925.39
PLTS-C6		Grinding & Drill Holes -C6	20	13AUG08	10SEP08	10SEP08	1	37		0.00	19,226.40
Punchlist- Coil Technicians											
PLCT-B2		Insul,measure,TC other punch list-B2	7	31AUG07*	11SEP07	23AUG07	2	14		0.00	15,480.90
PLCT-A2		Insul,measure,TC, other punch list-A2	7	12SEP07	20SEP07	18SEP07	2	14		0.00	15,480.90
PLCT-B1		Insul,measure,TC, other punch list-B1	7	21SEP07	01OCT07	27SEP07	2	14		0.00	15,626.87
PLCT-A1		Insul,measure,TC, other punch list-A1	9	02OCT07	12OCT07	10OCT07	2	14		0.00	20,428.05
PLCT-C1		Insul,measure,TC, other punch list-C1	18	15OCT07	07NOV07	05NOV07	1	51		0.00	20,748.49
PLCT-C2		Insul,measure,TC, other punch list-C2	9	08NOV07	20NOV07	20NOV07	2	51		0.00	20,428.05
PLCT-C3		Insul,measure,TC, other punch list-C3	18	10DEC07	11JAN08	11JAN08	1	45		0.00	20,748.49
PLCT-C4		Insul,measure,TC, other punch list-C4	159*	25JUN07A	15FEB08	11FEB08	1	43	15	3,279.89	21,865.90



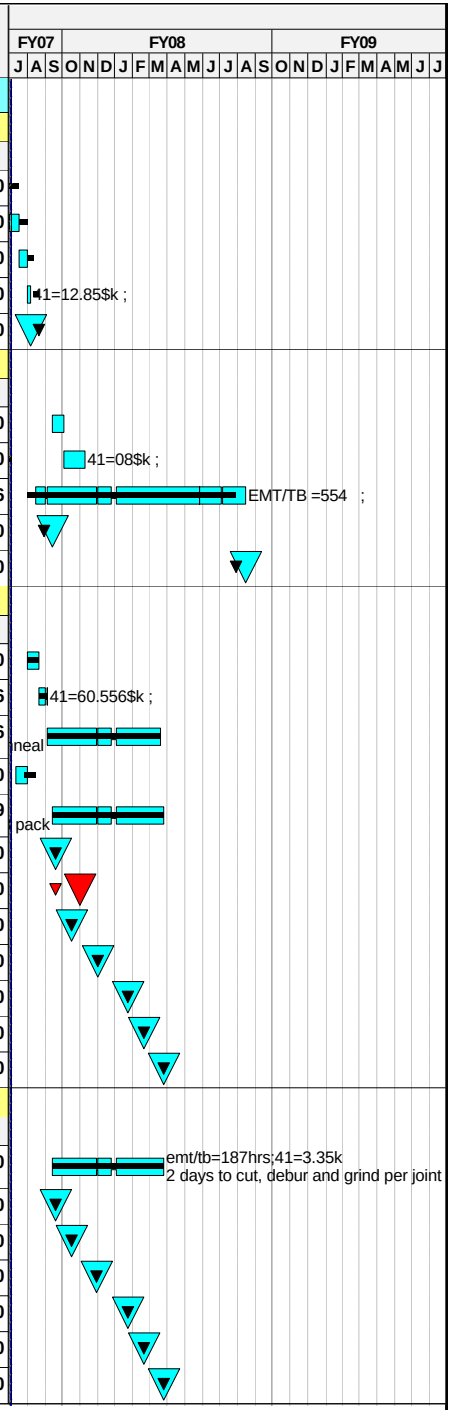
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
PLCT-A3		Insul,measure,TC, other punch list-A3	17	18FEB08	11MAR08	05MAR08	1	43		0.00	19,306.51
PLCT-B3		Insul,measure,TC, other punch list-B3	14	12MAR08	31MAR08	25MAR08	1	46		0.00	16,502.66
PLCT-A4		Insul,measure,TC, other punch list-A4	17	01APR08	23APR08	17APR08	1	46		0.00	19,306.51
PLCT-B4		Insul,measure,TC, other punch list-B4	14	24APR08	13MAY08	07MAY08	1	46		0.00	16,502.66
PLCT-C5		Insul,measure,TC, other punch list-C5	18	14MAY08	09JUN08	03JUN08	1	46		0.00	20,428.05
PLCT-A5		Insul,measure,TC, other punch list-A5	14	10JUN08	27JUN08	23JUN08	1	46		0.00	16,502.66
PLCT-B5		Insul,measure,TC, other punch list-B5	14	30JUN08	18JUL08	14JUL08	1	46		0.00	16,502.66
PLCT-A6		Insul,measure,TC,SG other punch list-A6	14	21JUL08	07AUG08	01AUG08	1	46		0.00	16,502.66
PLCT-B6		Insul,measure,TC,SG other punch list-B6	14	13AUG08	02SEP08	02SEP08	1	43		0.00	16,502.66
PLCT-C6	2	Insul,measure,TC,SG other punch list-C6	14	11SEP08	30SEP08	30SEP08	1	37		0.00	16,422.55
Job: 1421 - Mod Coil Interface Design-WILLIAMSON											
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		FDR outboard shims	0		29JUN07A	18JUL07			100	0.00	0.00
INTRF-047		Resolve chit's and issue outboard shim drawings	6	02JUL07	10JUL07	26JUL07		48		0.00	9,343.20
INTRF-048		FDR Bolted Joint	0		31JUL07*			65		0.00	0.00
Outboard Interface-Bolted Joint Tests-Tension											
1421-3067		Procure 2 studs f/joint test.Use existing part	21*	02JUL07	31JUL07	26JUL07		4		0.00	6,089.76
1421-3075		Setup test fixture &perform JHA & pre-job brief	2	01AUG07*	02AUG07	30JUL07		4		0.00	2,408.96
1421-3077		Meas joint deflect vs preload & loss of preload	3	03AUG07	07AUG07	02AUG07		4		0.00	5,423.28
1421-3079		Measure joint deflec & preload v. temp @80K	3	08AUG07	10AUG07	07AUG07		4		0.00	5,423.28
1421-3084		Measure joint deflection&preload v. cooldown cyc	3	13AUG07	15AUG07	10AUG07		4		0.00	5,423.28
1421-3087		Perform pullout tests for tapped holes	3	16AUG07	20AUG07	15AUG07		4		0.00	5,423.28
1421-3081		Meas joint deflect & preload v. time (days) at	20	21AUG07	18SEP07	13SEP07		4		0.00	36,155.20
1421-3090		Document&conduct review of test results	5	19SEP07	25SEP07	20SEP07		4		0.00	6,032.80
Outboard Interface-Bolted Joint Tests-Shear											
1421-3112B		Procure/fab parts for test&initial assembly	21*	02JUL07	31JUL07	25JUL07		13		0.00	18,792.80
1421-3115B		Assemble & test	31	01AUG07	13SEP07	10SEP07		13		0.00	57,345.40
1421-3119B		Document test results	15	14SEP07	04OCT07	01OCT07		13		0.00	12,586.45
Inboard Interface-AB/BC/AA											
IH1-001		Coil to coil scoping analysis	40*	01JUN07A	27JUL07	27JUL07		21	60	70,184.64	116,974.40
1421-3125		Determine geometry&location of high COF shims&pl	66*	01MAY07A	02AUG07	26JUN07		17	60	7,474.56	12,457.60
1421-3127		Structural analyses to performance rqmts for bol	23*	02JUL07	02AUG07	25JUL07		17		0.00	37,372.80
1421-3131		PDR prep	5	27JUL07	02AUG07	01AUG07		17		0.00	6,228.80
1421-3132		PDR to review requirements, design,&development	0		02AUG07	01AUG07		17		0.00	0.00



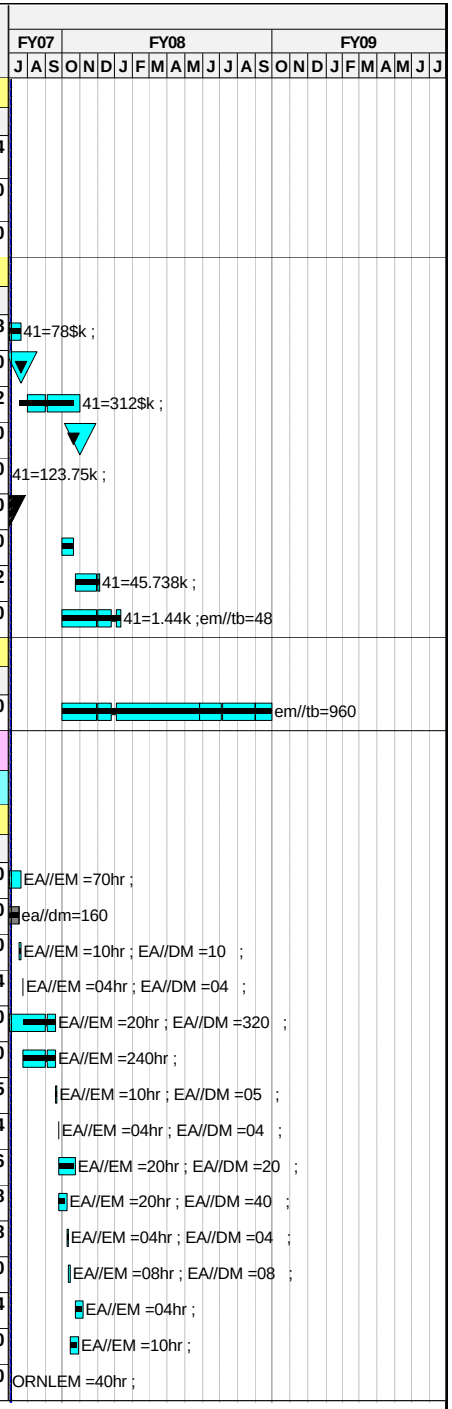
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
INTRF-049		prepare winding form mods for weld clamp bolts	37*	02JUL07*	22AUG07	22AUG07		3		0.00	46,716.00
INTRF-050		Complete Shim fabrication drawings (ORNL)	37*	02JUL07*	22AUG07	22AUG07		3		0.00	37,372.80
INTRF-051		Release info for procurement of shim material	21*	02JUL07	31JUL07	31JUL07		18		0.00	3,737.28
INTRF-054		FDR prep AB/BC/AA inboard shims	5	23AUG07	29AUG07	04SEP07		3		0.00	6,032.80
INTRF-055	3	FDR AB/BC/AA inboard shims	0		04SEP07*	04SEP07		0		0.00	0.00
Inboard Interface-CC											
IH1-000		ESTABLISH CONCEPT	25*	02JUL07*	06AUG07	23JUL07		57		0.00	118,347.20
IH1-0000		PDR OF JOINT CONCEPT	1	07AUG07	07AUG07	02AUG07		57		0.00	0.00
1421-3143		Add bolt holes to C winding form dwg CC interfac	11	08AUG07*	22AUG07	17AUG07		57		0.00	21,800.80
1421-3143X		Release dwg for add'l holes in C coil	0		22AUG07	17AUG07		57		0.00	0.00
1421-3145		Bolt reach & access study (mockup)	6	01OCT07*	08OCT07	08OCT07		449		0.00	32,352.00
1421-3140		Prep C-C shim drawings and release	14	09OCT07	26OCT07	26OCT07		449		0.00	58,233.60
1421-3142		FDR Prep for C-C shims	42	29OCT07	07JAN08	07JAN08		449		0.00	6,470.40
1421-3144	3	FDR C-C Shims	0		07JAN08	07JAN08		449		0.00	0.00
Weld Access test											
INTRF-025		ORNL build plywood mockup of flange	20	02JUL07*	30JUL07	11JUN07		18		0.00	51,800.80
INTRF-030		ORNL verify weld access	7	31JUL07	08AUG07	20JUN07		18		0.00	45,228.80
INTRF-010		Develop Weld Geometry Procedure	5	09AUG07	15AUG07	27JUN07		18		0.00	6,969.20
Overall MC Interface											
INTRF-040		ANalysis of tensile loads (ORNL)	75*	01MAY07A	15AUG07	15AUG07		13	50	24,915.20	49,830.40
1421-3134		Issue interface dwgs for comment	52*	01MAY07A	13JUL07	15AUG07		23	50	23,358.00	46,716.00
1421-3135		FDR Prep	13	16JUL07	01AUG07	04SEP07		23		0.00	6,228.80
1421-3136	2	Conduct BC,AB,AA,Interface FDR incl job 1416	0		04SEP07	04SEP07		0		0.00	0.00
1421-3138		Resolve issues, release assembly spec&drawings	5	05SEP07	11SEP07	11SEP07		0		0.00	37,372.80
INTRF-100		Misc travel, meetings,reporting,job 1416&1421	207*	01MAY07A	29FEB08	29FEB08		1,148	LOE	48,483.31	233,092.79
REBASE1421		Re-baseline exercise	0*	01JUN07A	29JUN07A	15JUN07			100	39,864.32	39,864.32
Job: 1429 - MC Interface R&D-GETTELFINGER											
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	02JUL07*	15AUG07	15AUG07		18		0.00	29,397.18
1429-3028		Edge loading&Superbolt torque tests 1&2	33	02JUL07*	16AUG07	16AUG07		17		0.00	29,397.18
1429-3029		Bolt Tests 3&4. Write Report	33	11JUL07*	24AUG07	24AUG07		11		0.00	29,397.18



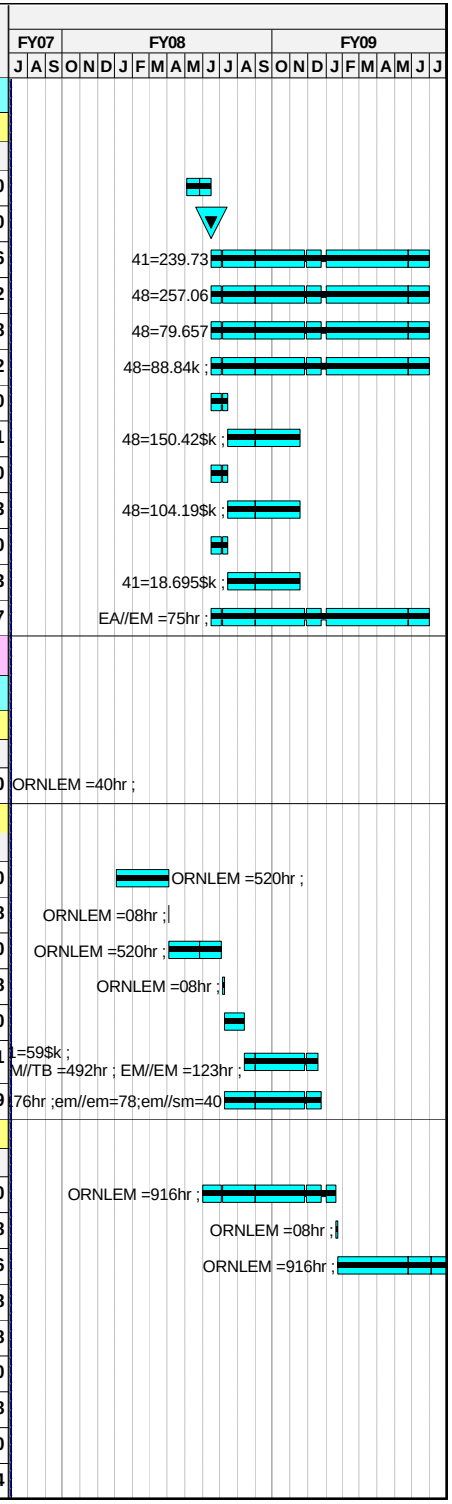
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
Job: 1431 - Mod. Coil Interface Hardware-DUDEK											
Bladders											
1421-3022		Receive first 5 Bladders	10	01JUN07A	29JUN07A	16JUL07			100	0.00	0.00
1421-3023		Test Bladders	10	02JUL07	16JUL07	30JUL07		55		0.00	0.00
1421-3024		Prep Req, Bid,& Award Bladders	10	17JUL07	30JUL07	13AUG07		55		0.00	0.00
1421-3025		Deliver bladders	5	31JUL07	06AUG07	20AUG07		55		0.00	16,396.60
1421-3028		Bladders available for FPA	0		06AUG07	20AUG07		55		0.00	0.00
Bushings											
1421-3105		Prep Req, Bid,& Award Bushings	15	13SEP07	03OCT07	21MAY07		28		0.00	0.00
1421-3106		Deliver Remaining Bushing Matl (for last 2 FPA)	25	04OCT07	07NOV07	02JUL07		28		0.00	10,529.40
1421-3107		PPPL Machine bushings Bushings	248	16AUG07*	13AUG08	29JUL08		28		0.00	44,037.46
1421-3108		Bushings available for first coil-to-coil fitup	0	14SEP07				28		0.00	0.00
1421-3109		All Bushings delivered	0		13AUG08	29JUL08		94		0.00	0.00
Shims-Outboard											
1429-3059		Requisition,Bid,Award Shim Stock (out & inboard)	15	01AUG07	21AUG07	21AUG07		18		0.00	0.00
1429-3060		Deliver Shim Stock	10	22AUG07	05SEP07	05SEP07		18		0.00	77,274.56
1429-3062		PPPL Cut, Grind, debur Outboard Shims	130	06SEP07	18MAR08	18MAR08		18		0.00	19,227.06
1429-3065		Prep Req, Bid, Award Alumina Application	15	11JUL07	31JUL07	16AUG07		48		0.00	0.00
1429-3066		Apply Alumina to OutboardShims	130	13SEP07	25MAR08	25MAR08		18		0.00	42,152.99
1429-3069		Outboard Shims Available for 1st 3 pack MC assy	0	20SEP07				18		0.00	0.00
S21-5.04X	2	Shims required for 1st 3 pack MC assy	0	31OCT07*				0		0.00	0.00
1429-3070		Outboard Shims Available for 2nd 3 pack MC assy	0	18OCT07				79		0.00	0.00
1429-3071		Outboard Shims Available for 3rd 3 pack MC assy	0	03DEC07				90		0.00	0.00
1429-3072		Outboard Shims Available for 4th 3 pack MC assy	0	23JAN08				113		0.00	0.00
1429-3073		Outboard Shims Available for 5th 3 pack MC assy	0	20FEB08				159		0.00	0.00
1429-3074		Outboard Shims Available for 6th 3 pack MC assy	0	26MAR08				187		0.00	0.00
Shims-Inboard											
1429-3062X		PPPL cut, grind and debur Inboard Shims	130	12SEP07	24MAR08	24MAR08		54		0.00	19,258.90
1429-3069X		Inboard Shims Available for 1st 3 pack MC assy	0	19SEP07				54		0.00	0.00
1429-3070X		Inboard Shims Available for 2nd 3 pack MC assy	0	17OCT07				80		0.00	0.00
1429-3071X		Inboard Shims Available for 3rd 3 pack MC assy	0	28NOV07				109		0.00	0.00
1429-3072X		Inboard Shims Available for 4th 3 pack MC assy	0	22JAN08				132		0.00	0.00
1429-3073X		Inboard Shims Available for 5th 3 pack MC assy	0	19FEB08				167		0.00	0.00
1429-3074X		Inboard Shims Available for 6th 3 pack MC assy	0	25MAR08				194		0.00	0.00



Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
Shims- C-C Joint											
1429-3062C		PPPL Cut, Grind, debur Outboard Shims	10	01OCT09*	14OCT09	14OCT09		12		0.00	8,170.84
1429-3066C		Apply Alumina to OutboardShims	40	08OCT09	04DEC09	04DEC09		12		0.00	9,308.00
1429-3075X		Shims Req'd for C-C joint	0	07DEC09				12		0.00	0.00
Studs,Washers,Nuts											
1421-3060		Deliver Stud Kit (PE007330) (for 1st 3 pack only	57*	01MAY07A	20JUL07	20JUL07		66		0.00	98,992.08
1421-3061		Stud kit available for 1st 3 pack MC assy	0		20JUL07	20JUL07		66		0.00	0.00
1421-3062		Re-order balance of stud kits	65	01AUG07	31OCT07	18OCT07		65		0.00	408,475.32
1421-3063		Stud kits available for balance of MC assy	0		31OCT07	18OCT07		65		0.00	0.00
1421-3065		Deliver Superbolts (PE007332)	43*	01MAY07A	29JUN07A	31MAY07			100	157,905.00	157,905.00
1421-3066		Super bolts available for FPA	0		29JUN07A	31MAY07				0.00	0.00
1421-3070		Order Add'l stud kits for c-c joint&weld clmp	15	01OCT07*	19OCT07	19OCT07		177		0.00	0.00
1421-3072		Deliver Add'l stud kits for c-c joint&weld clmp	30	22OCT07	04DEC07	04DEC07		177		0.00	59,827.92
1421-3080		Purchase G-11 shims and machine for C-C inboard	65	01OCT07*	10JAN08	10JAN08		497		0.00	5,728.80
Misc Tech Shop Support											
1421-4000		Misc Tech Shop support through FPA sta 3	250*	01OCT07*	30SEP08	30SEP08		999	LOE	0.00	76,905.60
15 - Coil Structures											
Job: 1501 - Coil Structures Design-DAHLGREN											
1501-521		Complete Preliminary Stress analysis	34*	04JUN07A	20JUL07	18JUN07		148	90	10,976.49	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	18JUL07	20JUL07	19JUL07		148		0.00	3,484.60
1501-525P	3	PDR	1	23JUL07*	23JUL07	20JUL07		148		0.00	1,393.84
1501-533		Detail CAD Drawings,BOM	75*	01JUN07A	17SEP07	17SEP07		149	70	41,466.74	59,238.20
1501-533F		Integrated Stress Analysis	40	24JUL07	18SEP07	17SEP07		148		0.00	41,815.20
1501-537		FDR Prep	3	19SEP07	21SEP07	20SEP07		148		0.00	2,613.45
1501-541	3	FDR Coil Structures	1	24SEP07	24SEP07	21SEP07		148		0.00	1,393.84
1501-545		Resolve Chits	20	25SEP07	22OCT07	19OCT07		148		0.00	7,338.16
1501-549		Update C.S.Support Design	10	25SEP07	08OCT07	05OCT07		153		0.00	10,868.88
1501-550		Peer Review Updated C.S.Design	3	09OCT07	11OCT07	10OCT07		153		0.00	1,486.08
1501-554		Resolve Chits from peer review	2	12OCT07	15OCT07	12OCT07		153		0.00	7,430.40
1501-558		Prepare requisition for Coil Structure & CSS h/w	10	23OCT07	05NOV07	02NOV07		148		0.00	743.04
1501-562		Prepare Specs for Coil Structure & CSS h/w	10	16OCT07	29OCT07	26OCT07		153		0.00	1,857.60
ECP53RBX09		FY07 Rebaseline exercise	0*	01JUN07A	29JUN07A	31MAY07			LOE	6,969.20	6,969.20



Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
Job: 1550 - Coil Struct. Procurement -DAHLGREN											
1501-245		Prep Spec,Solicit Bids, and Evaluate Bids	30	05MAY08	16JUN08	16JUN08		28		0.00	0.00
162-036.9	2	Award Coil Support Structure	0		16JUN08*	16JUN08*		28		0.00	0.00
162-037	2	Fabricate TF/MCWF mounting Components	260	17JUN08	01JUL09	01JUL09		28		0.00	328,830.26
162-038		Fabricate PF Mounting components	260	17JUN08	01JUL09	01JUL09		28		0.00	268,267.82
162-039		Fabricate Final TF Assy components Components	260	17JUN08	01JUL09	01JUL09		28		0.00	83,133.18
162-040		Fabricate Machine/base support interface	260	17JUN08	01JUL09	01JUL09		28		0.00	92,713.42
162-050		Prep req, bid and award G11/Teflon parts	20	16JUN08*	14JUL08	14JUL08		69		0.00	0.00
162-051		Deliver G11/Teflon parts	90	15JUL08	18NOV08	18NOV08		69		0.00	155,701.41
162-052		Prep req, bid and award Inconnel hardware	20	16JUN08*	14JUL08	14JUL08		69		0.00	0.00
162-053		Deliver Inconnel hardware	90	15JUL08	18NOV08	18NOV08		69		0.00	107,848.23
162-055		Prep req, bid and award Belleville Washers	20	16JUN08*	14JUL08	14JUL08		69		0.00	0.00
162-057		Deliver Belleville Washers	90	15JUL08	18NOV08	18NOV08		69		0.00	25,106.83
162-031		Title III engr WBS 151	260	17JUN08*	01JUL09	01JUL09		813	LOE	0.00	14,151.47
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	65	02JAN08*	01APR08	01APR08		99		0.00	84,115.20
191-002	3	PDR WBS 161 LN2 manifolds&piping	1	02APR08	02APR08	02APR08		99		0.00	1,294.08
191-011		Title II design WBS 161 LN2 manifolds&piping	65	03APR08	03JUL08	03JUL08		99		0.00	84,115.20
191-012		FDR WBS 161 LN2 manifolds&piping	1	07JUL08	07JUL08	07JUL08		99		0.00	1,294.08
191-037		Prep Req,Bid,Award-manifolds,hoses,valves etc	25	08JUL08	11AUG08	11AUG08		99		0.00	0.00
191-038		Fab and deliver-manifold assy,hoses,valves etc	90	12AUG08*	18DEC08	18DEC08		99		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	02JUN08*	19JAN09	19JAN09		49		0.00	152,991.50
132-002		PDR WBS 162 Coil leads	1	20JAN09	20JAN09	20JAN09		49		0.00	1,387.28
132-011		Title II design WBS 162 Coil leads	155	21JAN09	27AUG09	27AUG09		150		0.00	158,843.56
132-012		FDR WBS 162 Coil leads	1	28AUG09	28AUG09	28AUG09		150		0.00	1,387.28
132-015		Title III design WBS 162 Coil leads	99	31AUG09	29JAN10	29JAN10		222	LOE	0.00	19,579.88
132-037		Prep Req,Bid,Award Lead hardware and cables	25	31AUG09	05OCT09	05OCT09		150		0.00	0.00
132-038		Deliver Lead hardware and cables	65	06OCT09	18JAN10	18JAN10		150		0.00	114,187.68
132-047		Prep Req,Bid,Award Material for transition box	25	31AUG09	05OCT09	05OCT09		216		0.00	0.00
132-048		Deliver Material for Transition Boxes	40	06OCT09	02DEC09	02DEC09		216		0.00	9,909.44



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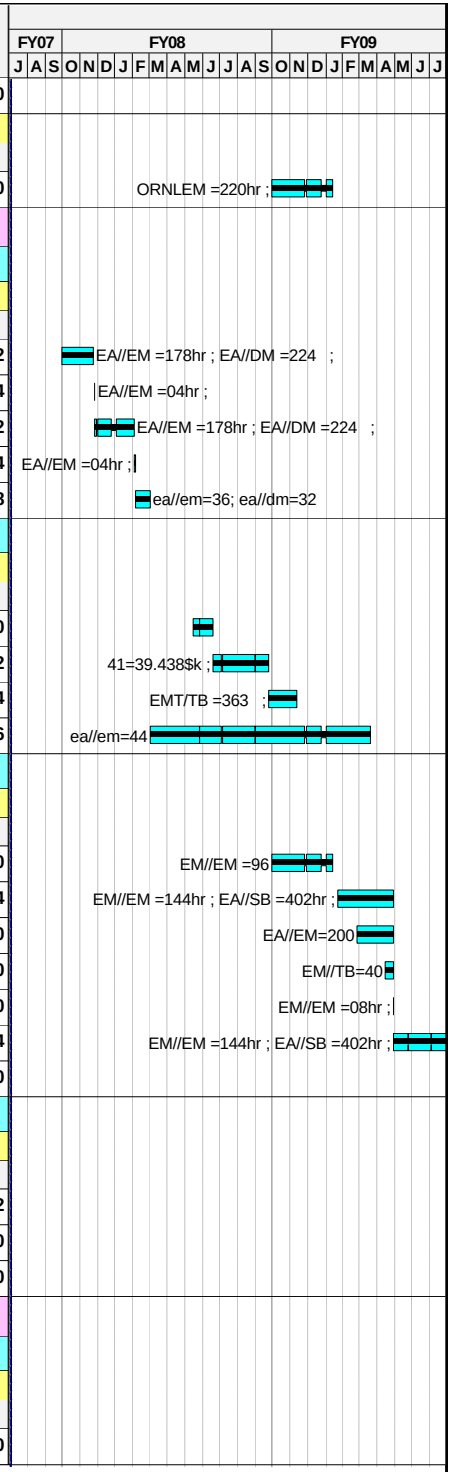
132-049		Assemble Transition boxes (6)	40	03DEC09	08FEB10	08FEB10		216		0.00	20,462.40
163 - Coil Protection System											
163.001		Design Coil protection(input to WBS 4 & 5)	65	01OCT08*	12JAN09	12JAN09		80		0.00	38,150.20
17 - Cryostat and Base Support Structure											
Job: 1702 - Base Support Struct Design-DAHLGREN											
1702-510		Base support structure prel. design & analysis	40	01OCT07*	23NOV07	23NOV07		65		0.00	74,675.52
1702-515	3	Conduct PDR	1	26NOV07	26NOV07	26NOV07		65		0.00	743.04
1702-520		Final design. Assy dwgs, fab dwgs, BOMs,specs/SO	40	27NOV07	01FEB08	01FEB08		65		0.00	74,675.52
1702-525	2	FDR	1	04FEB08	04FEB08	04FEB08		65		0.00	743.04
1702-530		Resolve chits, issue dwgs for fab,Issue requisit	20	05FEB08	03MAR08	03MAR08		65		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	25	15MAY08*	19JUN08	19JUN08		13		0.00	0.00
161-036.9	3	Deliver base support materials	65	20JUN08	22SEP08	22SEP08		13		0.00	51,587.52
161-037		PPPL assemble structure	35	23SEP08*	10NOV08	10NOV08		13		0.00	29,786.74
161-038		Title III	261	04MAR08*	19MAR09	19MAR09		886	LOE	0.00	8,277.26
Job: 1701 - Cryostat Design-GETTLEFINGER											
1701-100		Cryostat- Conceptual Design	65	01OCT08*	12JAN09	12JAN09		55		0.00	15,888.00
1701-101		Cryostat- Preliminary Design	70	21JAN09	28APR09	28APR09		49		0.00	73,446.84
1701-102		Cryostat- Stress analysis	43	27FEB09*	28APR09	28APR09		49		0.00	38,242.00
1701-103		Cryostat- Joint R&D	10	15APR09*	28APR09	28APR09		49		0.00	3,298.40
1701-121		Cryostat- PDR	1	29APR09	29APR09	29APR09		49		0.00	1,324.00
1701-131		Cryostat- Final Design	70	30APR09	07AUG09	07AUG09		49		0.00	73,446.84
1701-141		Cryostat- FDR	1	10AUG09	10AUG09	10AUG09		49		0.00	1,324.00
Job: 1751 - Cryostat Procurement-GETTLEFINGER											
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



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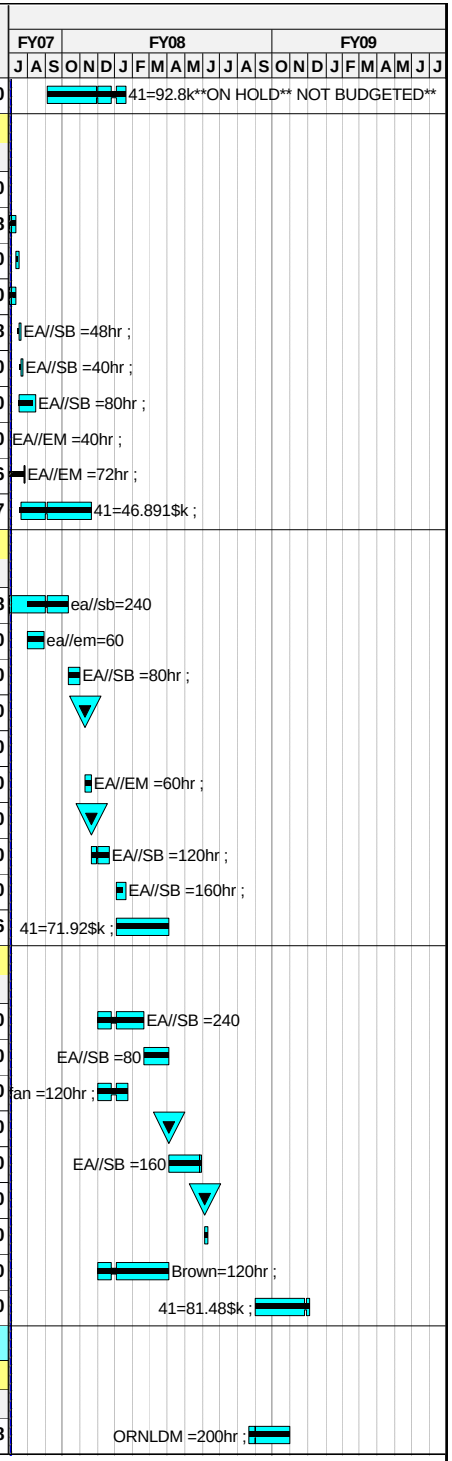
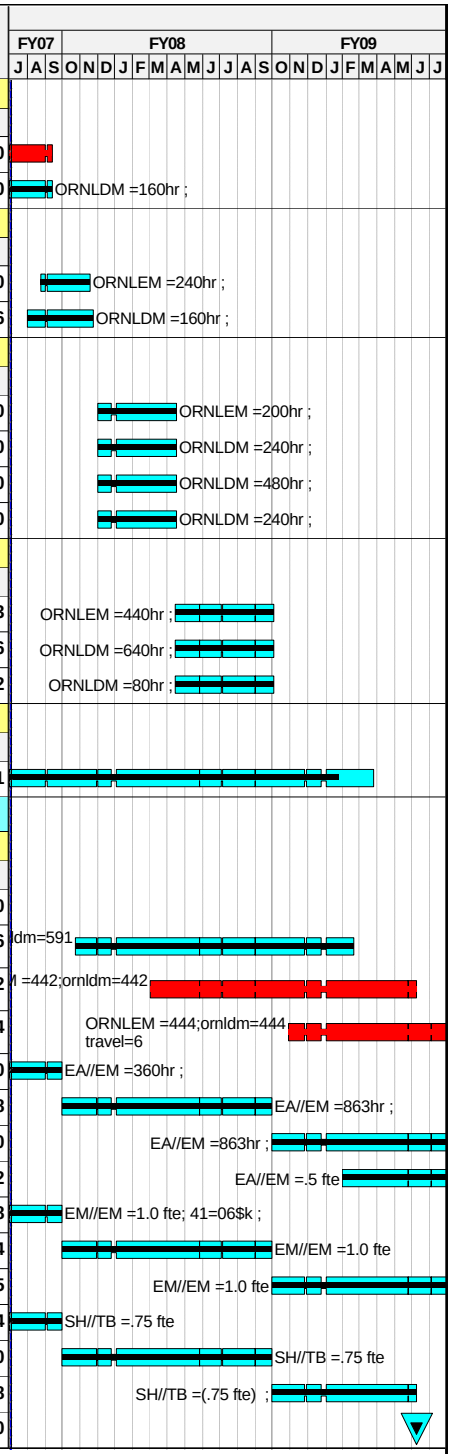
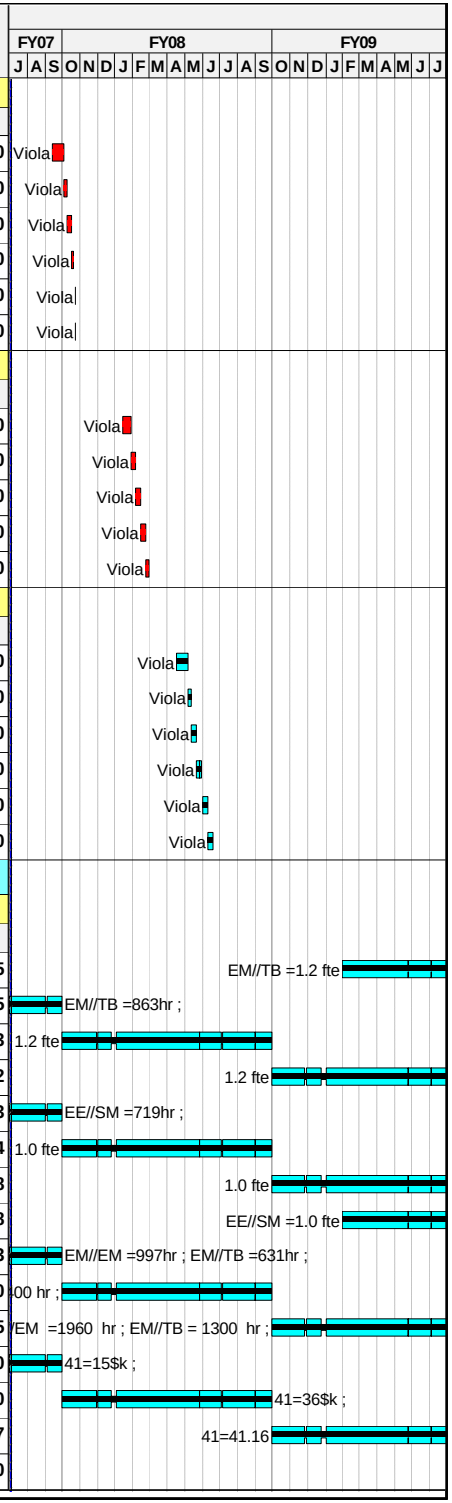
1803-2.2		Procure 2 20degree wedge fixt (for total of 6)	90	04SEP07*	18JAN08	18JAN08		80		0.00	0.00
Station 3-Modular Coil to VVSA Assembly											
1803-3.2		Finalize drawings for internal review and outsid	3	25JUN07A	27JUN07A	27JUN07			100	0.00	0.00
1803-3.3		Analyze single point lift	10*	28JUN07A	12JUL07	12JUL07		53	90	8,781.19	9,756.88
1803-3.4	3	Stage 3 support FDR	3*	13JUL07*	17JUL07	13JUL07		53		0.00	0.00
1803-3.5		Flange bolt/VV support access platform	8	02JUL07*	12JUL07	12JUL07		56		0.00	13,495.20
1803-3.6		Revise drawings per FDR input and release for Fa	2	18JUL07	19JUL07	17JUL07		53		0.00	5,398.08
1803-3.7		Transportation study (move between test cells)	2	20JUL07	23JUL07	19JUL07		115		0.00	4,498.40
1803-3.8		Generate laser trace drawing for each screen	20	18JUL07	14AUG07	10AUG07		99		0.00	8,996.80
1803-3.9		Assembly sequence plan	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	26JUL07	26JUL07		112		4,139.70	12,544.56
1803-3.11		Procure materials and fixture	88	20JUL07*	21NOV07	19NOV07		53		0.00	60,479.57
Station 5-Final Field Period Assembly											
1803-5.1		Complete FP support models	92*	01JUN07A	10OCT07	10OCT07		122	25	6,786.47	27,145.88
1803-5.5		Design followup & prelim analysis	20	01AUG07*	28AUG07	28AUG07		182		0.00	10,453.80
1803-5.2		Complete platform models	15	11OCT07	31OCT07	31OCT07		122		0.00	9,592.80
1803-5.3		PDR	0		07NOV07	07NOV07		122		0.00	0.00
R1802-503		Sequence plan	20	01MAY07A	30MAY07A	30MAY07			100	0.00	0.00
1803-5.4		Structural Analysis	10	08NOV07*	21NOV07	21NOV07		122		0.00	11,145.60
1803-5.6	3	Station 5 FDR	0		21NOV07	21NOV07		122		0.00	0.00
1803-5.7		Complete dwg package and release for Fa	20	22NOV07	21DEC07	21DEC07		122		0.00	14,389.20
1803-5.8		Complete models and dwgs for test cell metrology	13*	02JAN08	18JAN08	14JAN08		154		0.00	19,185.60
1803-5.9		Procure materials and fixture (2 stations)	65	02JAN08	01APR08	01APR08		122		0.00	94,071.36
6.00-Final Machine Assembly											
1803-6.1		Complete Stage 6 support models	50	03DEC07*	19FEB08	19FEB08		69		0.00	28,778.40
1803-6.2		Complete platform models	30	20FEB08	01APR08	01APR08		69		0.00	9,592.80
1803-6.3		Structural Analysis	30	03DEC07*	22JAN08	22JAN08		119		0.00	22,291.20
1803-6.4		PDR	0		01APR08	01APR08		69		0.00	0.00
1803-6.5		Complete drawing package	40	02APR08	28MAY08	28MAY08		69		0.00	19,185.60
1803-6.6	3	Station 6 FDR	0		04JUN08	04JUN08		69		0.00	0.00
1803-6.7		Revise drawings per FDR input and release for Fa	5	05JUN08	11JUN08	11JUN08		69		0.00	0.00
1803-6.9		Design followup and prelim analysis	82	03DEC07*	03APR08	03APR08		112		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		288		0.00	17,008.28



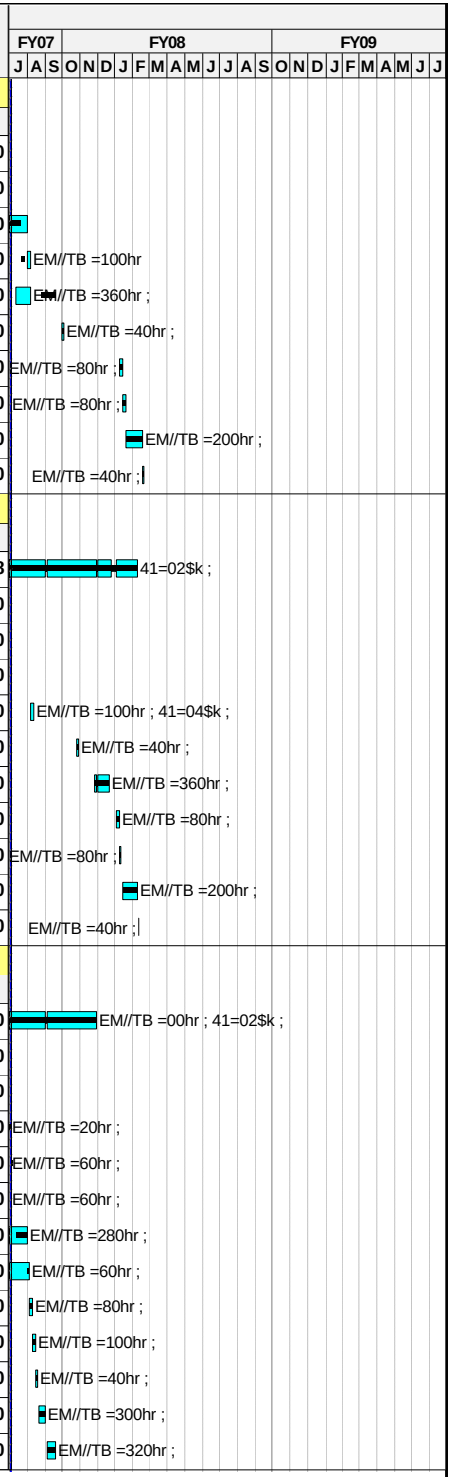
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
Station 2-Modular Coil Sub- Assembly											
1803-201	3	Station 2 Assembly Specification	50*	02JUL07*	11SEP07	11SEP07		0		0.00	12,457.60
1803-205	3	Station 2 Assembly Drawings	65*	11JUN07A	11SEP07	11SEP07		14	25	3,300.00	13,200.00
Station 3-Modular Coil to VVSA Assembly											
1803-301		Station 3 Assembly Specification	60	24AUG07*	16NOV07	16NOV07		32		0.00	38,218.40
1803-305		Station 3 Assembly Drawings	80	02AUG07*	22NOV07	22NOV07		28		0.00	13,287.36
Station 5-Final Field Period Assembly											
1803-501		Station 5 Assembly Specification	90	03DEC07*	15APR08	15APR08		92		0.00	32,352.00
1803-505		Station 5 Assembly Drawings	90	03DEC07*	15APR08	15APR08		92		0.00	20,068.80
1803-509		Field period Assy Dwgs	90	03DEC07*	15APR08	15APR08		92		0.00	40,137.60
1803-611		Detail dwgs-welding ports	90	03DEC07*	15APR08	15APR08		92		0.00	20,068.80
6.00-Final Machine Assembly											
1803-601	2	Station 6 Assembly Specification	120	15APR08*	02OCT08	02OCT08		30		0.00	71,259.83
1803-605	2	Station 6 Assembly Drawings	120	15APR08*	02OCT08	02OCT08		30		0.00	53,549.76
1803-613		Detail dwgs-man access port	120	15APR08*	02OCT08	02OCT08		30		0.00	6,693.72
1803-010		Models,design reviews, meetings,reporting,	430	01MAY07A	25MAR09	23JAN09		882	LOE	0.00	177,335.01
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*	24OCT07*	19FEB09	19FEB09		4	LOE	0.00	152,828.16
1802ORNL03		ORNL Title III field period assy station 3	318*	03MAR08*	08JUN09	08JUN09		0	LOE	0.00	117,143.02
1802ORNL05		ORNL Title III field period assy station 5	260*	30OCT08*	13NOV09	13NOV09		0	LOE	0.00	122,171.24
R1802-001		Metrology Engr Super FY07	106*	01MAY07A	28SEP07	28SEP07		1,249	LOE	25,465.46	62,722.80
R1802-003		Metrology Engr Super FY08	250*	01OCT07*	30SEP08	30SEP08		999	LOE	0.00	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*	30JAN09*	13NOV09	13NOV09	2	718	LOE	0.00	134,631.52
R1802-005		FPA Management FY07	106*	01MAY07A	28SEP07	28SEP07		1,249	LOE	46,979.39	115,712.78
R1802-007		FPA Management FY08	250*	01OCT07*	30SEP08	30SEP08		999	LOE	0.00	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	28SEP07	28SEP07		1,249	LOE	24,041.10	59,214.54
R1802-015		HP Coverage in the TFTR TC LOE FY08	250*	01OCT07*	30SEP08	30SEP08		999	LOE	0.00	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		08JUN09	08JUN09		830		0.00	0.00



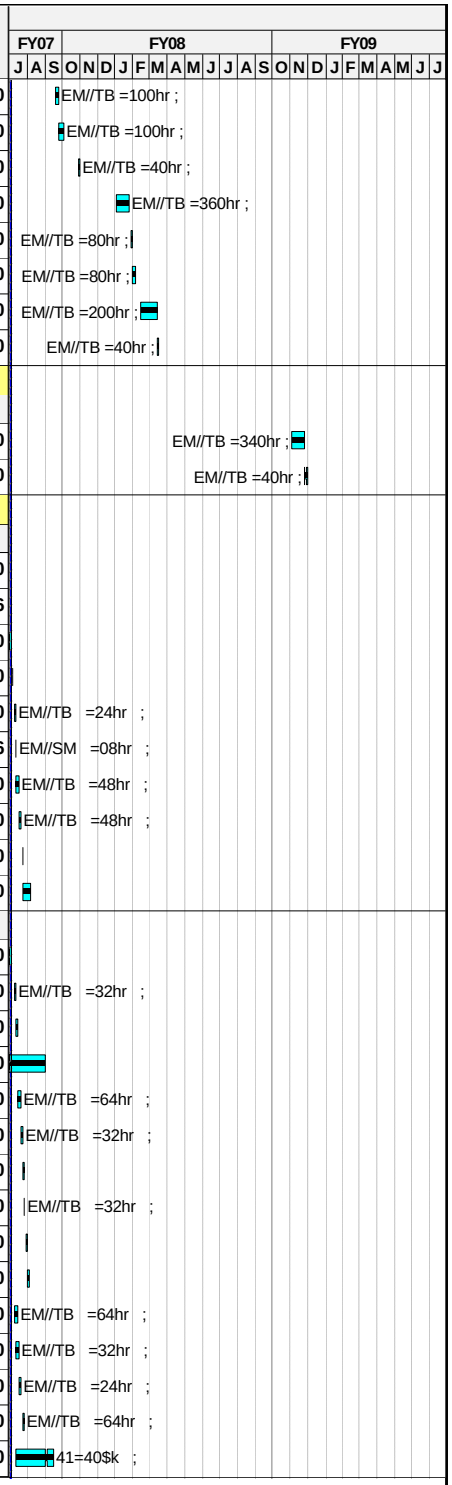
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
Station 2 procedures,JHA,ACC,Training,Prep											
R1802-207		Procedures written & approved	14	12SEP07	01OCT07	01OCT07		0		0.00	0.00
R1802-209		JHA completed	6	02OCT07	09OCT07	09OCT07		0		0.00	0.00
R1802-211		Training needs identified & released	6	10OCT07	17OCT07	17OCT07		0		0.00	0.00
R1802-213		ACC review completed	2	18OCT07	19OCT07	19OCT07		0		0.00	0.00
R1802-215		Pre-job brief completed	1	22OCT07	22OCT07	22OCT07		0		0.00	0.00
R1802-217		Station 2 operational	1	23OCT07	23OCT07	23OCT07		0		0.00	0.00
Station 3 procedures,JHA,ACC,Training,Prep											
R1802-307		Procedures written & approved	10	15JAN08	28JAN08	28JAN08		0		0.00	0.00
R1802-309		JHA completed	6	29JAN08	05FEB08	05FEB08		0		0.00	0.00
R1802-311		Training needs identified & released	6	06FEB08	13FEB08	13FEB08		0		0.00	0.00
R1802-313		ACC review completed	6	14FEB08	21FEB08	21FEB08		0		0.00	0.00
R1802-315		Pre-job brief completed	6	22FEB08	29FEB08	29FEB08		0		0.00	0.00
Station 5 procedures,JHA,ACC,Training,Prep											
R1802-507		Procedures written & approved	14	16APR08	05MAY08	05MAY08		92		0.00	0.00
R1802-509		JHA completed	6	06MAY08	13MAY08	13MAY08		92		0.00	0.00
R1802-519		Fixtures installed	6	14MAY08	21MAY08	21MAY08		92		0.00	0.00
R1802-511		Training needs identified & released	6	22MAY08	30MAY08	30MAY08		92		0.00	0.00
R1802-513		ACC review completed	7	02JUN08	10JUN08	10JUN08		92		0.00	0.00
R1802-515		Pre-job brief completed	7	11JUN08	19JUN08	19JUN08		92		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*	30JAN09*	13NOV09	13NOV09	2	718	LOE	0.00	139,343.95
R1810-001		LOE Crane support, fixture setupfor FY07	106*	01MAY07A	28SEP07	28SEP07		1,249	LOE	26,330.91	64,854.45
R1810-003		LOE Crane support, fixture setupfor FY08	250*	01OCT07*	30SEP08	30SEP08		999	LOE	0.00	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	28SEP07	28SEP07		1,249	LOE	38,990.95	96,036.83
R1810-007		LOE Field Supervision for FY08	250*	01OCT07*	30SEP08	30SEP08		999	LOE	0.00	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*	30JAN09*	13NOV09	13NOV09	2	718	LOE	0.00	206,388.38
R1810-009		LOE Metrology sprt FY07 1.5 fte EM & 1.0 fte TB	106*	01MAY07A	28SEP07	28SEP07		1,249	LOE	80,319.92	197,832.33
R1810-011		LOE Metrology sprt FY08 1.5 fte EM & 1.0 fte TB	250*	01OCT07*	30SEP08	30SEP08		999	LOE	0.00	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	28SEP07	28SEP07		1,249	LOE	7,770.84	19,140.00
R1810-015		Misc M&S FY08	250*	01OCT07*	30SEP08	30SEP08		999	LOE	0.00	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		13NOV09	13NOV09		718		0.00	0.00



Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
Station 1-VV Prep (hard surface components) FP#1											
R1810-1105		Instl cooling lines & Weld cooling/htg risers	31	01MAY07A	13JUN07A	13JUN07	1		100	49,145.00	49,145.00
R1810-1107		Verify Instl of H/C lines,headers,manifolds	5	14JUN07A	20JUN07A	20JUN07	1		100	7,515.00	7,515.00
R1810-1115		Purchase pump	20	02JUL07*	30JUL07	19JUL07	1	313		0.00	5,104.00
R1810-1108		Perform final acceptance testing (H/C flow test)	5	31JUL07	06AUG07	26JUL07	1	313		0.00	7,515.00
R1810-1109		Loop termination & verification	18	12JUL07*	06AUG07	18SEP07	1	213		0.00	27,054.00
R1810-1112		Trim seal plates	2	01OCT07*	02OCT07	02OCT07	1	275		0.00	3,204.40
R1810-1110		Install Final Internal&Ext monuments & meas	4	09JAN08	14JAN08	14JAN08	1	112		0.00	6,408.80
R1810-1111		Final Scan	4	15JAN08	18JAN08	18JAN08	1	112		0.00	6,408.80
R1810-1114		Install heater tape on all removable ports	20	21JAN08	15FEB08	15FEB08	1	112		0.00	16,022.00
R1810-1113		Prepare &transfer completed VV to holding area	2	18FEB08	19FEB08	19FEB08	1	112		0.00	3,204.40
Station 1- VV Prep (hrd surf cmpntsFP#2											
R1810-1203		Misc Hardware	170*	01JUN07A	08FEB08	08FEB08		1,163	LOE	320.46	2,584.38
R1810-1209		Install cooling/htg lines to vac vsl	15	01MAY07A	21MAY07A	21MAY07	1		100	22,545.00	22,545.00
R1810-1211		Weld cooling/htg risers	16	22MAY07A	13JUN07A	13JUN07	1		100	26,600.00	26,600.00
R1810-1213		Verify Instl of H/C lines,headers,manifolds	5	14JUN07A	20JUN07A	20JUN07	1		100	7,515.00	7,515.00
R1810-1208		Perform final acceptance testing (H/C flow test)	5	07AUG07	13AUG07	27JUN07	1	358		0.00	12,619.00
R1810-1212		Trim seal plates	2	26OCT07*	29OCT07	29OCT07	1	258		0.00	3,204.40
R1810-1215		Loop termination & verification	18	26NOV07	21DEC07	21DEC07	1	239		0.00	28,839.60
R1810-1216		Install Final Internal&Ext monuments & meas	4	02JAN08	07JAN08	07JAN08	1	239		0.00	6,408.80
R1810-1217		Final Scan	4	08JAN08	11JAN08	11JAN08	1	239		0.00	6,408.80
R1810-1214		Install heater tape on all removable ports	20	14JAN08	08FEB08	08FEB08	1	239		0.00	16,022.00
R1810-1219		Prepare& transfer completed VV to holding area	2	11FEB08	12FEB08	12FEB08	1	239		0.00	3,204.40
Station 1- VV Prep (hrd surf cmpntsFP#3											
R1810-1303		Misc Hardware	139*	15MAY07A	28NOV07	28NOV07		1,206	LOE	609.52	2,571.80
R1810-1304		Layout diag &coolant paths on vessel	12	01MAY07A	16MAY07A	16MAY07	1		100	18,036.00	18,036.00
R1810-1305		Install heater tape on vertical ports	7	17MAY07A	25MAY07A	25MAY07	1		100	10,521.00	10,521.00
R1810-1307		Verify installation of heater tapes	1	01JUN07A	29JUN07A	02JUL07	1		100	1,503.00	1,503.00
R1810-1309		Attach studs forcoolant lines	3	01JUN07A	29JUN07A	06JUL07	1		100	4,509.00	4,509.00
R1810-1300		Install Templates	3	01JUN07A	29JUN07A	27JUN07	1		100	4,509.00	4,509.00
R1810-1311		Wind magnetic diagnostic sensors	25*	25JUN07A	30JUL07	30JUL07	1	218	25	5,260.50	21,042.00
R1810-1313		Install precision magnetic diagnostic sensors	28*	25JUN07A	02AUG07	02AUG07	1	215	25	1,127.25	4,509.00
R1810-1315		Verify installation magnetic diagnostic sensors	4	03AUG07	08AUG07	08AUG07	1	215		0.00	6,012.00
R1810-1317		Install local I&C (incl thermocouples)	5	09AUG07	15AUG07	15AUG07	1	356		0.00	7,515.00
R1810-1319		Verify installation of local I&C	2	16AUG07	17AUG07	17AUG07	1	356		0.00	3,006.00
R1810-1321		Install cooling/htg lines to vac vsl	10	20AUG07	31AUG07	31AUG07	1	356		0.00	22,545.00
R1810-1323		Weld cooling/htg risers	10	04SEP07	17SEP07	17SEP07	1	356		0.00	24,048.00



Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
R1810-1325		Verify Instl of H/C lines,headers,manifolds	5	18SEP07	24SEP07	24SEP07	1	356		0.00	7,515.00
R1810-1308		Perform final acceptance testing (H/C flow test)	5	25SEP07	01OCT07	01OCT07	1	356		0.00	7,614.20
R1810-1312		Trim seal plates	2	30OCT07	31OCT07	31OCT07	1	360		0.00	3,204.40
R1810-1327		Loop termination & verification	18	02JAN08	25JAN08	25JAN08	1	299		0.00	28,839.60
R1810-1328		Install Final Internal&Ext monuments & meas	4	28JAN08	31JAN08	31JAN08	1	299		0.00	6,408.80
R1810-1329	3	Final Scan	4	01FEB08	06FEB08	06FEB08	1	299		0.00	6,408.80
R1810-1314		Install heater tape on all removable ports	20	15FEB08*	13MAR08	13MAR08	1	273		0.00	16,022.00
R1810-1331		Prepare & transfer completed VV to holding area	2	14MAR08	17MAR08	17MAR08	1	273		0.00	3,204.40
Station 1-Spool pieces (3) (spacers)											
R1810-1S03		Attachdiagnostics, studs and coolant lines	17	03NOV08*	25NOV08	25NOV08	1	288		0.00	28,036.40
R1810-1S04		Install Final Internal&Ext monuments & meas	2	26NOV08	01DEC08	01DEC08	1	288		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	02JUL07*	02JUL07	28JUN07		16		0.00	0.00
PHIL-03		complete CAD model of weld test specimen	1	06JUL07*	06JUL07	06JUL07		13		0.00	0.00
PHIL-04		water jet cut shims for A/B flange weld test	3	09JUL07	11JUL07	11JUL07		13		0.00	1,803.60
PHIL-05		solution anneal shims (note: shims not ground).	1	12JUL07	12JUL07	12JUL07		16		0.00	991.36
PHIL-06		assemble shims&flanges;grind relief in flanges	3	13JUL07	17JUL07	17JUL07		16		0.00	3,607.20
PHIL-07		weld & monitor distortion; improvise clamping	3	18JUL07	20JUL07	20JUL07		16		0.00	3,607.20
PHIL-08		analyze results at PPPL	2	23JUL07	24JUL07	24JUL07		16		0.00	0.00
PHIL-09		analyze welds at EWI	10	25JUL07	07AUG07	07AUG07		16		0.00	0.00
Casting Weld Tests											
PHIL-11		Mount A6 on angle plate	1	02JUL07*	02JUL07	25JUN07		17		0.00	1,202.40
PHIL-12		Weld fiducials on A6 & B6	2	10JUL07*	11JUL07	11JUL07		13		0.00	2,404.80
PHIL-13		Measure A6 casting	2	12JUL07	13JUL07	13JUL07		13		0.00	0.00
PHIL-14		Develop metrology plan for station 2 (ELLIS)	65*	01JUN07A	31AUG07	31AUG07		6		0.00	0.00
PHIL-15		Remove A6 & lower & grout wedge	4	16JUL07	19JUL07	19JUL07		13		0.00	4,809.60
PHIL-16		Re-mount A6 on wedge	2	20JUL07	23JUL07	23JUL07		13		0.00	2,404.80
PHIL-17		Re-measure A6	2	24JUL07	25JUL07	25JUL07		13		0.00	0.00
PHIL-18		Measure B6 on wedge	2	26JUL07	27JUL07	27JUL07		13		0.00	2,404.80
PHIL-19		Place B6 on A6; Meas B6 casting use A6 as base	2	30JUL07	31JUL07	31JUL07		15		0.00	0.00
PHIL-20		Complete CAD model for dimensional ref.	3	01AUG07	03AUG07	03AUG07		15		0.00	0.00
PHIL-21		Prepare angle plate dogs & chocks	4	10JUL07*	13JUL07	13JUL07		71		0.00	4,809.60
PHIL-22		Water jet cut outboard 0,5" stk 316 SS shims	4	12JUL07	17JUL07	17JUL07		13		0.00	2,404.80
PHIL-23		Water jet cut inboard 0.625 316 SS	3	18JUL07	20JUL07	20JUL07		13		0.00	1,803.60
PHIL-24		Assemble castings,align torque&meas inbd. shims	4	23JUL07	26JUL07	26JUL07		13		0.00	4,809.60
PHIL-25		Purchase (2) grinding machines	45	13JUL07*	14SEP07	14SEP07		23		0.00	51,040.00



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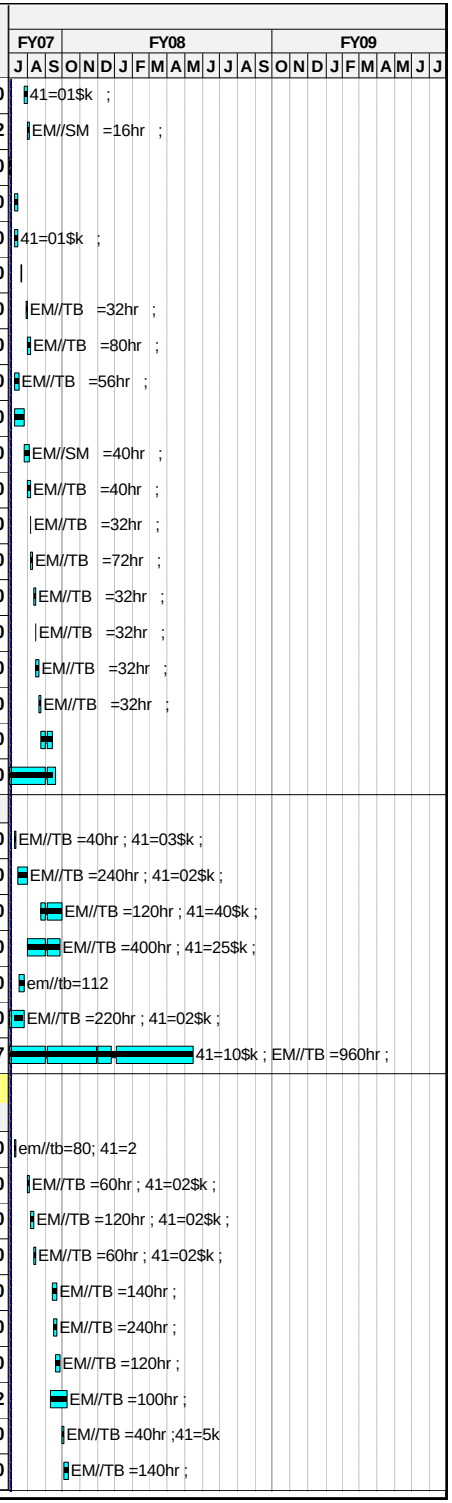
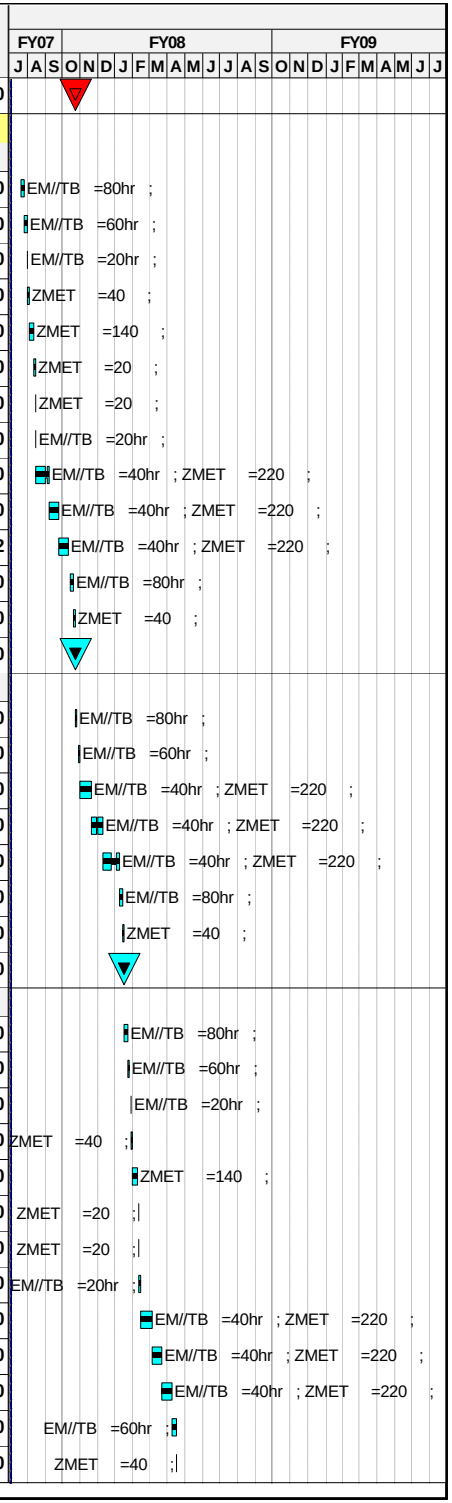
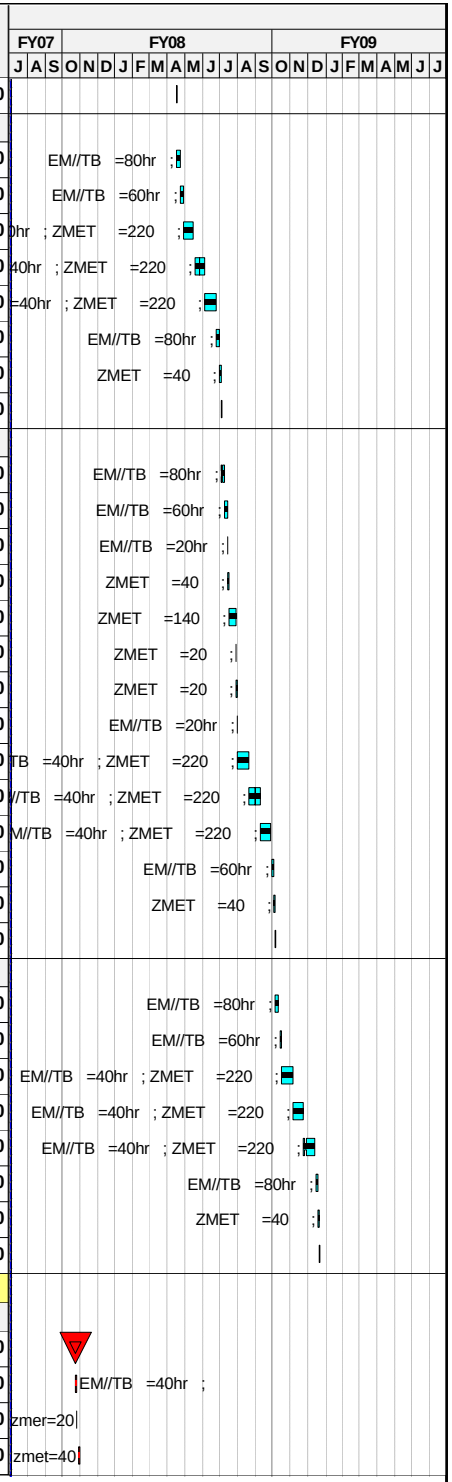
PHIL-26		Grind inbd. Shims to thickness (outside shop)	4	27JUL07	01AUG07	01AUG07		13		0.00	1,276.00
PHIL-27		Solution anneal shims	2	02AUG07	03AUG07	03AUG07		13		0.00	1,982.72
PHIL-28		bushing drawings complete	0	02JUL07*	29JUN07	29JUN07		54		0.00	0.00
PHIL-29		fabricate stock bushings	5	09JUL07*	13JUL07	13JUL07		55		0.00	0.00
PHIL-30		Zenex - fabricate eccentric bushings	5	09JUL07*	13JUL07	13JUL07		50		0.00	1,658.80
PHIL-31		Receive hardware - studs, washers	0	20JUL07*	19JUL07	19JUL07		19		0.00	0.00
PHIL-32		Align castings	2	30JUL07	31JUL07	31JUL07		13		0.00	2,404.80
PHIL-33		Fit&install bushings 25% stock, 25% eccentric	5	01AUG07	07AUG07	07AUG07		38		0.00	6,012.00
PHIL-34		Weld procedure/weld qual.	7	09JUL07*	17JUL07	17JUL07		31		0.00	4,208.40
PHIL-35		Purchase weld on strain gauges	14	09JUL07*	26JUL07	26JUL07		16		0.00	0.00
PHIL-36		Install strain gauges	5	27JUL07	02AUG07	02AUG07		16		0.00	4,956.80
PHIL-37		Set up dial ind., CMM, transit system	5	01AUG07	07AUG07	07AUG07		13		0.00	3,006.00
PHIL-38		Install all shims and adjust bushings	2	06AUG07	07AUG07	07AUG07		13		0.00	2,404.80
PHIL-39		Final align and baseline measurements	3	08AUG07	10AUG07	10AUG07		13		0.00	5,410.80
PHIL-40		Perform 25% of welding & measure	2	13AUG07	14AUG07	14AUG07		13		0.00	2,404.80
PHIL-41		Perform 50% of welding & measure	2	15AUG07	16AUG07	16AUG07		13		0.00	2,404.80
PHIL-42		Perform 75% of welding & measure	2	17AUG07	20AUG07	20AUG07		13		0.00	2,404.80
PHIL-43		finish welding & measure	2	21AUG07	22AUG07	22AUG07		13		0.00	2,404.80
PHIL-44		Analyze data; write report	14	23AUG07	12SEP07	12SEP07		13		0.00	0.00
R1810-2050		Consulting support for welding trials	56	02JUL07*	19SEP07	12SEP07		1,256		0.00	89,320.00
R1810-2003		Trial tensioning test on prototype with UT	3	09JUL07*	11JUL07	11JUL07	1	43		0.00	6,834.00
R1810-2005		Trial bushing and shim test on prototype	12	16JUL07*	31JUL07	31JUL07	1	29		0.00	20,588.00
R1810-2011		Alignment mechanisms, metro equipt &positioning	26	23AUG07*	28SEP07	28SEP07	1	15		0.00	60,058.00
R1810-2013		Procure alignment mechanisms, fiducials, lifting	40	02AUG07*	27SEP07	27SEP07	1	17		0.00	61,960.00
R1810-2052		Bushing test B-C	7	18JUL07*	26JUL07	26JUL07	1	27		0.00	8,416.80
R1810-2017		Determine fiducial types&locations	40*	01JUN07A	27JUL07	23JUL07	1	31	25	4,771.25	19,085.00
R1810-2001		Misc Hardware and hardware rework (1/2 fte loe)	260*	01MAY07A	14MAY08	14MAY08	1	1,095	LOE	14,505.78	87,913.87
Setup											
R1810-2023		Install FIRST Holding 20 deg fixture	4	09JUL07*	12JUL07	12JUL07	1	70		0.00	8,564.00
R1810-2025		Install SECOND Holding 20 deg fixture	3	01AUG07*	03AUG07	03AUG07	1	45		0.00	7,061.00
R1810-2027		Install THIRD Holding 20 deg fixture	6	06AUG07*	13AUG07	13AUG07	1	45		0.00	11,570.00
R1810-2029		Install LAST Holding 20 deg fixture	3	14AUG07*	16AUG07	16AUG07	1	45		0.00	7,061.00
R1810-2004		Receive Drawings & Hardware (shims & Bolts)	7	12SEP07	20SEP07	20SEP07	1	107		0.00	10,521.00
R1810-2006		Surface grind set of metal shims for qualificat	4	17SEP07*	20SEP07	20SEP07	1	23		0.00	18,036.00
R1810-207		Compress alumina shims and sort	6	20SEP07*	27SEP07	27SEP07	1	18		0.00	9,018.00
R1810-209		Perform metrology setup & checks	22	10SEP07*	09OCT07	09OCT07	1	10		0.00	7,672.82
R1810-2021		Tools&tooling available for FPA operations	2	01OCT07	02OCT07	02OCT07	1	15		0.00	9,744.40
R1810-2002		Test out Equip & Procedures	7	02OCT07	10OCT07	10OCT07	1	9		0.00	11,215.40



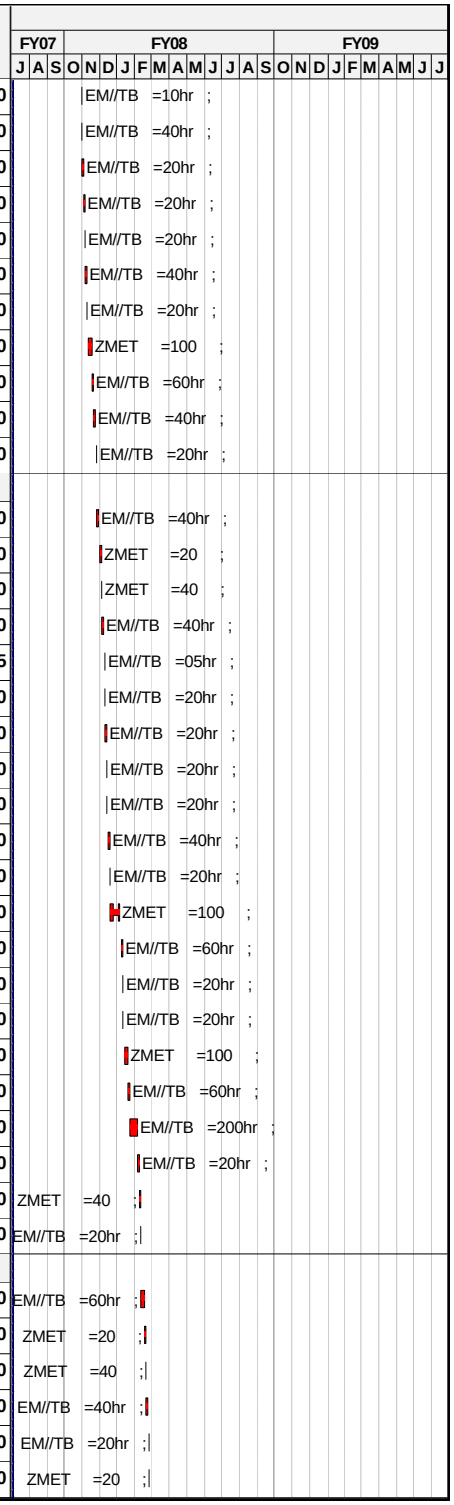
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
R1810-2108		HARDWARE,DRAWINGS,& PROCURES AVAILABLE	0		23OCT07	23OCT07	1	0		0.00	0.00
Pre-Measuring and fitup checks											
Pre measurement of MCHP A1,B1,C1 flanges											
S21-1.01		Verify mating MC's A1,B1,C1	4	20JUL07*	25JUL07	25JUL07	1	1		0.00	6,012.00
S21-1.02		Epoxy paint all close fitting interfacing surfac	3	26JUL07	30JUL07	30JUL07	1	1		0.00	4,509.00
S21-2.01		Set A1 on pre-measured fixt, "B" side down	1	31JUL07	31JUL07	31JUL07	1	1		0.00	1,503.00
S21-2.02		Align to the conical seats locking into of 8	2	01AUG07	02AUG07	02AUG07	1	1		0.00	0.00
S21-2.03		Estab global coord sys on mc geometry. Meas monu	7	03AUG07	13AUG07	13AUG07	1	1		0.00	0.00
S21-2.04		Meas tooling ball monuments on winding form.	1	14AUG07	14AUG07	14AUG07	1	1		0.00	0.00
S21-2.05		Scan the "A" flange of the Type-A1 coil.	1	15AUG07	15AUG07	15AUG07	1	1		0.00	0.00
S21-2.07		Remove A1 coil from stand	1	16AUG07	16AUG07	16AUG07	1	1		0.00	1,503.00
S21-2.08		Measure B1 "A" flange	14	17AUG07	06SEP07	06SEP07	1	1		0.00	3,006.00
S21-2.11		Measure C1 "A" flange	13	07SEP07	25SEP07	25SEP07	1	1		0.00	3,006.00
S21-2.14		Measure Type A1-A2 "A" flange	13	26SEP07	12OCT07	12OCT07	1	1		0.00	3,158.62
S21-3.02		Grind shims first article f/assy process qu	4	15OCT07	18OCT07	18OCT07	1	1		0.00	6,408.80
S21-4.02		Perform metrology set-up and checks	2	19OCT07	22OCT07	22OCT07	1	1		0.00	0.00
S21-3.03		Ready For Preassembly A1B1C1	0		22OCT07	22OCT07	1	1		0.00	0.00
Pre measurement of MCHP A2,B2,C2 flanges											
S22-1.01		Verify mating MC's of MCHP will come together	4	23OCT07	26OCT07	26OCT07		4		0.00	6,408.80
S22-1.02		Epoxy paint all close fitting interfacing surfac	3	29OCT07	31OCT07	31OCT07		4		0.00	4,806.60
S22-2.08		Measure B2 "A" flange	14	01NOV07	20NOV07	20NOV07	1	4		0.00	3,204.40
S22-2.11		Measure C2 "A" flange	13	21NOV07	11DEC07	11DEC07	1	4		0.00	3,204.40
S22-2.14		Measure Type A1-A2 "A" flange	13	12DEC07	08JAN08	08JAN08	1	4		0.00	3,204.40
S22-3.02		Compress alumina shims sort by thickness	4	09JAN08	14JAN08	14JAN08		4		0.00	6,408.80
S22-4.02		Perform metrology set-up and checks	2	15JAN08	16JAN08	16JAN08		4		0.00	0.00
S22-4.03		Ready For Preassembly A2B2C2	0		16JAN08	16JAN08		4		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	17JAN08	22JAN08	22JAN08		4		0.00	6,408.80
S23-1.02		Epoxy paint all close fitting interfacing surfac	3	23JAN08	25JAN08	25JAN08		4		0.00	4,806.60
S23-2.01		Set the A3 coil on fixture, A side flange down	1	28JAN08	28JAN08	28JAN08		4		0.00	1,602.20
S23-2.02		Align to the conical seats locking into min of 8	2	29JAN08	30JAN08	30JAN08		4		0.00	0.00
S23-2.03		Measure monuments on fixture and walls.	7	31JAN08	08FEB08	08FEB08		4		0.00	0.00
S23-2.04		Measure tooling ball monuments	1	11FEB08	11FEB08	11FEB08		4		0.00	0.00
S23-2.05		Scan the B flange of A3	1	12FEB08	12FEB08	12FEB08		4		0.00	0.00
S23-2.07		Remove A3 move to holding area.	1	13FEB08	13FEB08	13FEB08		4		0.00	1,602.20
S23-2.08		Measure B3 "A" flange	14	14FEB08	04MAR08	04MAR08		4		0.00	3,204.40
S23-2.11		Measure C3 "A" flange	13	05MAR08	21MAR08	21MAR08		4		0.00	3,204.40
S23-2.14		Measure Type A3-A4 "A" flange	13	24MAR08	09APR08	09APR08		4		0.00	3,204.40
S23-3.02		Compress alumina shims sort by thickness	4	10APR08	15APR08	15APR08		4		0.00	4,806.60
S23-4.02		Perform metrology set-up and checks	2	16APR08	17APR08	17APR08		4		0.00	0.00



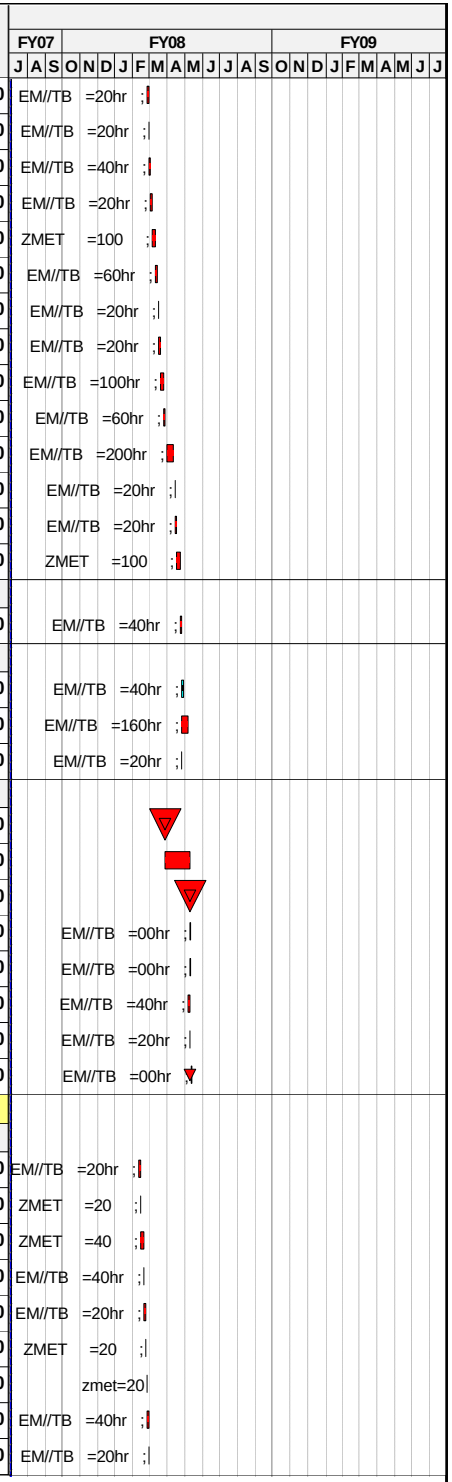
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S23-4.03		Ready For Preassembly A3B3C3	0	18APR08	17APR08	17APR08		4		0.00	0.00
Pre measurement of MCHP A4,B4,C4 flanges											
S24-1.01		Verify mating MC's of MCHP will come together	4	18APR08	23APR08	23APR08		4		0.00	6,408.80
S24-1.02		Epoxy paint all close fitting interfacing surfac	3	24APR08	28APR08	28APR08		4		0.00	4,806.60
S24-2.08		Measure B4 "A" flange	14	29APR08	16MAY08	16MAY08	1	4		0.00	3,204.40
S24-2.11		Measure C4 "A" flange	13	19MAY08	05JUN08	05JUN08	1	4		0.00	3,204.40
S24-2.14		Measure Type A3-A4 "A" flange	13	06JUN08	24JUN08	24JUN08	1	4		0.00	3,204.40
S24-3.02		Compress alumina shims sort by thickness	4	25JUN08	30JUN08	30JUN08		4		0.00	6,408.80
S24-4.02		Perform metrology set-up and checks	2	01JUL08	02JUL08	02JUL08		4		0.00	0.00
S24-4.03		Ready For Preassembly A4B4C4	0	03JUL08	02JUL08	02JUL08		4		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	03JUL08	09JUL08	09JUL08		4		0.00	6,408.80
S25-1.02		Epoxy paint all close fitting interfacing surfac	3	10JUL08	14JUL08	14JUL08		4		0.00	4,806.60
S25-2.01		Set the A5 coil on fixture, A side flange down	1	15JUL08	15JUL08	15JUL08		4		0.00	1,602.20
S25-2.02		Align to the conical seats locking into min of 8	2	16JUL08	17JUL08	17JUL08		4		0.00	0.00
S25-2.03		Measure monuments on fixture and walls.	7	18JUL08	28JUL08	28JUL08		4		0.00	0.00
S25-2.04		Measure tooling ball monuments	1	29JUL08	29JUL08	29JUL08		4		0.00	0.00
S25-2.05		Scan the B flange of A5	1	30JUL08	30JUL08	30JUL08		4		0.00	0.00
S25-2.07		Remove A5 move to holding area.	1	31JUL08	31JUL08	31JUL08		4		0.00	1,602.20
S25-2.08		Measure B5 "A" flange	14	01AUG08	20AUG08	20AUG08		4		0.00	3,204.40
S25-2.11		Measure C5 "A" flange	13	21AUG08	09SEP08	09SEP08		4		0.00	3,204.40
S25-2.14		Measure Type A5-A6 "A" flange	13	10SEP08	26SEP08	26SEP08		4		0.00	3,204.40
S25-3.02		Compress alumina shims sort by thickness	4	29SEP08	02OCT08	02OCT08		4		0.00	4,877.10
S25-4.02		Perform metrology set-up and checks	2	03OCT08	06OCT08	06OCT08		4		0.00	0.00
S25-4.03		Ready For Preassembly A5B5C5	0	07OCT08	06OCT08	06OCT08		4		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	07OCT08	10OCT08	10OCT08		4		0.00	6,596.80
S26-1.02		Epoxy paint all close fitting interfacing surfac	3	13OCT08	15OCT08	15OCT08		4		0.00	4,947.60
S26-2.08		Measure B6 "A" flange	14	16OCT08	04NOV08	04NOV08	1	4		0.00	3,298.40
S26-2.11		Measure C6 "A" flange	13	05NOV08	21NOV08	21NOV08	1	4		0.00	3,298.40
S26-2.14		Measure Type A5-A6"A" flange	13	24NOV08	12DEC08	12DEC08	1	4		0.00	3,298.40
S26-3.02		Compress alumina shims sort by thickness	4	15DEC08	18DEC08	18DEC08		4		0.00	6,596.80
S26-4.02		Perform metrology set-up and checks	2	19DEC08	22DEC08	22DEC08		4		0.00	0.00
S26-4.03		Ready For Preassembly A6B6C6	0	23DEC08	22DEC08	22DEC08		4		0.00	0.00
Station 2-MC Sub Assy A1-B1-C1											
Pre-assemble A1-A2											
S21-5.00		BEGIN A-A Pre-assembly	0		23OCT07	23OCT07	1	0		0.00	0.00
S21-5.01		Place A2 "B" side down. Obtain fiduals	2	24OCT07	25OCT07	25OCT07	1	0		0.00	3,204.40
S21-5.02		Align to the conical seats locking into 8.	1	26OCT07	26OCT07	26OCT07	1	0		0.00	0.00
S21-5.03		Meas monuments on fixture & walls.	2	29OCT07	30OCT07	30OCT07	1	0		0.00	0.00



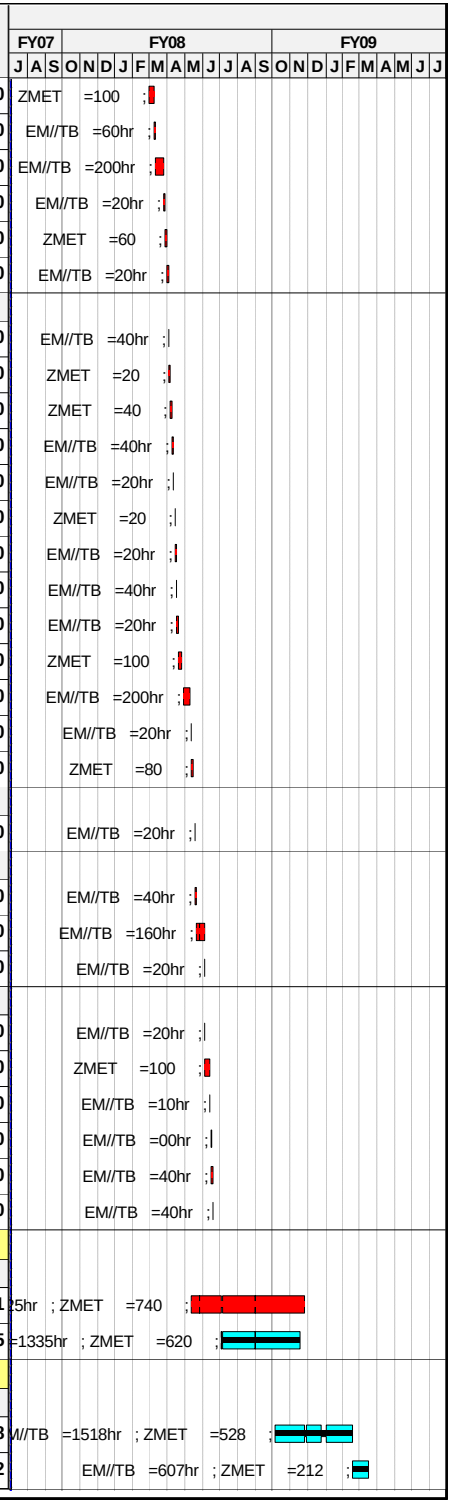
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S21-5.04		Place shims on coil identical to A1-A2 fit up	1	31OCT07	31OCT07	31OCT07	1	0		0.00	801.10
S21-5.05		Install dial indicators on the MC to see deflec	1	01NOV07	01NOV07	01NOV07	1	0		0.00	3,204.40
S21-5.06		Lower mating A1 modular coil into position.	1	02NOV07	02NOV07	02NOV07	1	0		0.00	1,602.20
S21-5.07		Meas monuments bottom coil. Jack to .002”	1	05NOV07	05NOV07	05NOV07	1	0		0.00	1,602.20
S21-5.08		Using 3 points, position as was done inA1A2 fit	1	06NOV07	06NOV07	06NOV07	1	0		0.00	1,602.20
S21-5.09		Torque to 50%	2	07NOV07	08NOV07	08NOV07	1	0		0.00	3,204.40
S21-5.1		Make "wiggle" test Tighten bolt and recheck.	1	09NOV07	09NOV07	09NOV07	1	0		0.00	1,602.20
S21-5.11		Meas tooling balls both coils.	5	12NOV07	16NOV07	16NOV07	1	0		0.00	0.00
S21-5.12		Adjust shims locally. Re-torque all studs to 50%	3	19NOV07	21NOV07	21NOV07	1	0		0.00	4,806.60
S21-5.14		Install A-A locator bushings	2	22NOV07	23NOV07	23NOV07	1	0		0.00	3,204.40
S21-5.15		Remove studs,nuts,shims. Identify shim locations	1	26NOV07	26NOV07	26NOV07	1	0		0.00	1,602.20
A-B Assembly											
S21-6.01		Place Type A "A" side down. Obtain fiduals	2	27NOV07	28NOV07	28NOV07	1	0		0.00	3,204.40
S21-6.02		Align to the conical seats locking into 8.	1	03DEC07	03DEC07	03DEC07	1	0		0.00	0.00
S21-6.03		Meas monuments on fixture & walls.	2	04DEC07	05DEC07	05DEC07	1	0		0.00	0.00
S21-6.04		Place the an initial set shims on coil	2	06DEC07	07DEC07	07DEC07	1	0		0.00	3,204.40
S21-6.041		Stuff shim bag w/fiberglass & place on wing	1	10DEC07	10DEC07	10DEC07	1	0		0.00	400.55
S21-6.05		Lower the Type-B coil onto the Type-A coil.	1	11DEC07	11DEC07	11DEC07	1	0		0.00	1,602.20
S21-6.06		Measure monuments on A coil. Jack to .002”	1	12DEC07	12DEC07	12DEC07	1	0		0.00	1,602.20
S21-6.061		instl dial indicators for x-y positioning	1	13DEC07	13DEC07	13DEC07	1	0		0.00	1,602.20
S21-6.07		Perform the X-Y positioning of the B coil.	1	14DEC07	14DEC07	14DEC07	1	0		0.00	1,602.20
S21-6.08		Install remaining metal shims torque to 50%	2	17DEC07	18DEC07	18DEC07	1	0		0.00	3,204.40
S21-6.09		Make "wiggle" test Tighten bolt and recheck.	1	19DEC07	19DEC07	19DEC07	1	0		0.00	1,602.20
S21-6.1		Measure the tooling balls on both coils.	5	20DEC07	04JAN08	04JAN08	1	0		0.00	0.00
S21-6.11		Loosen studs, adjust shims. Re-torque to 50%.	3	07JAN08	09JAN08	09JAN08	1	0		0.00	4,806.60
S21-6.12		Install alumina shims. Re-torque to 50%.	1	10JAN08	10JAN08	10JAN08	1	0		0.00	1,602.20
S21-6.13		Make "wiggle" test Tighten bolt and recheck.	1	11JAN08	11JAN08	11JAN08	1	0		0.00	1,602.20
S21-6.14		Measuretooling balls . The max devi .007” .	5	14JAN08	18JAN08	18JAN08	1	0		0.00	0.00
S21-6.15		Loosen studs, adjust shims. Re-torque to 50%.	3	21JAN08	23JAN08	23JAN08	1	0		0.00	4,806.60
S21-6.16		Install bushings. Tighten back to 50%	10	24JAN08	06FEB08	06FEB08	1	0		0.00	16,022.00
S21-6.17		Complete tightening of flange bolts to 100%.	1	07FEB08	07FEB08	07FEB08	1	0		0.00	1,602.20
S21-6.18		Measuretooling balls . The max devi .007” .	2	08FEB08	11FEB08	11FEB08	1	0		0.00	0.00
S21-6.19		Scan the “B” flange of Type-B coil	1	12FEB08	12FEB08	12FEB08	1	0		0.00	1,602.20
AB - C Assembly											
S21-7.01		Place “A/B” assy, “A” coil dwn, on 40deg fix.	3	13FEB08	15FEB08	15FEB08	1	0		0.00	4,806.60
S21-7.02		Align to the conical seats locking into a min of	1	18FEB08	18FEB08	18FEB08	1	0		0.00	0.00
S21-7.03		Measure the monuments on the fixture & the walls	2	19FEB08	20FEB08	20FEB08	1	0		0.00	0.00
S21-7.04		Place initial set metal shims on the coil	2	21FEB08	22FEB08	22FEB08	1	0		0.00	3,204.40
S21-7.05		Lower the Type-C coil onto the Type-B coil.	1	25FEB08	25FEB08	25FEB08	1	0		0.00	1,602.20
S21-7.06		Meas monuments on A coil to eval displacement.	1	26FEB08	26FEB08	26FEB08	1	0		0.00	0.00



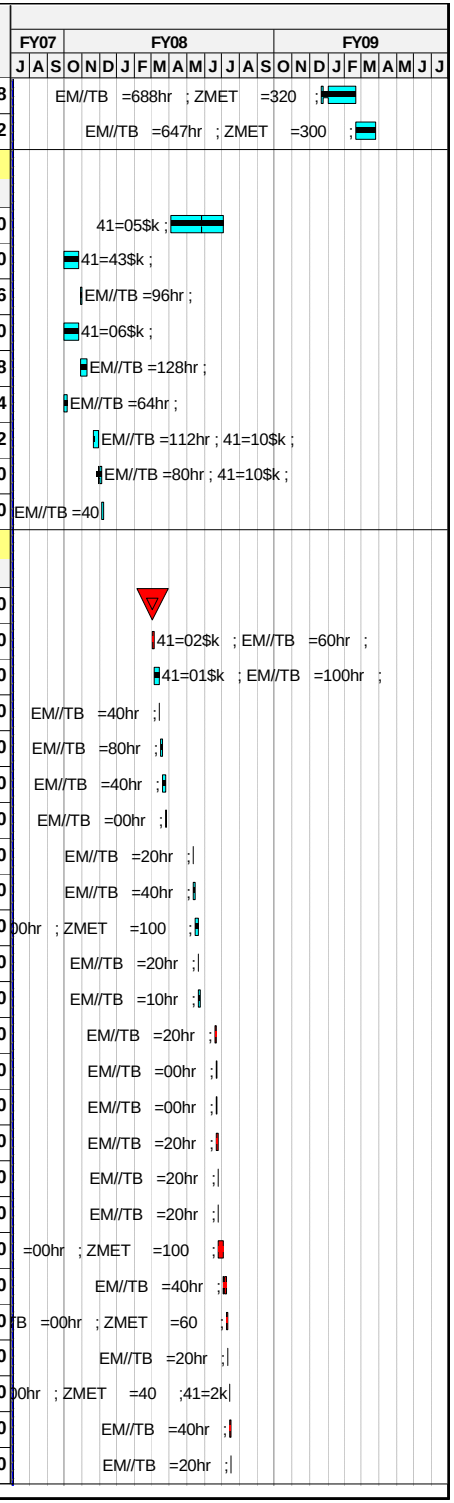
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S21-6.062		instl dial indicators for x-y positioning	1	27FEB08	27FEB08	27FEB08	1	0		0.00	1,602.20
S21-7.07		Perform the X-Y positioning of the coil.	1	28FEB08	28FEB08	28FEB08	1	0		0.00	1,602.20
S21-7.08		Install remaining metal shims torque to 50%	2	29FEB08	03MAR08	03MAR08	1	0		0.00	3,204.40
S21-7.09		"wiggle" test Tighten bolt and recheck.	1	04MAR08	04MAR08	04MAR08	1	0		0.00	1,602.20
S21-7.1		Measure the tooling balls on all coils.	5	05MAR08	11MAR08	11MAR08	1	0		0.00	0.00
S21-7.11		adjust shims locally. Re-torque all studs to 50%	3	12MAR08	14MAR08	14MAR08	1	0		0.00	4,806.60
S21-7.12		linstall alumina shims. Re-torque all studs to	1	17MAR08	17MAR08	17MAR08	1	0		0.00	1,602.20
S21-7.13		"wiggle" test Tighten bolt and recheck.	1	18MAR08	18MAR08	18MAR08	1	0		0.00	1,602.20
S21-7.14		Measure the tooling balls on all coils.	5	19MAR08	25MAR08	25MAR08	1	0		0.00	8,011.00
S21-7.15		adjust shims locally. Re-torque all studs to 50	3	26MAR08	28MAR08	28MAR08	1	0		0.00	4,806.60
S21-7.16		Install bushings	10	31MAR08	11APR08	11APR08	1	0		0.00	16,022.00
S21-7.17		Complete tightening of flange bolts to 100%.	1	14APR08	14APR08	14APR08	1	0		0.00	1,602.20
S21-11.01		Identify primary fiducials for positioning Sta 3	1	15APR08	15APR08	15APR08	1	0		0.00	1,602.20
S21-7.18		Final metrology meas. Scan "B" flangeType-C coil	5	16APR08	22APR08	22APR08	1	0		0.00	0.00
Tack Weld Inboard Welded hims											
S21-8.01		Tack weld inboard shims	2	23APR08	24APR08	24APR08	1	0		0.00	3,204.40
Complete Local Service & interface details											
S21-10.01		Install all wing support bladders	2	25APR08	28APR08	28APR08	1	6		0.00	3,204.40
S21-10.02		Make local service runs/connections	8	25APR08	06MAY08	06MAY08	1	0		0.00	12,817.60
S21-10.03		Inject stycast in all shim spaces	1	25APR08	25APR08	25APR08	1	7		0.00	1,602.20
Final Measurements/Transfer to Holding Area											
DOE-1		Notify DOE of scheduled station 3 lifts	0		27MAR08	27MAR08	1	0		0.00	0.00
DOE-2		DOE review lift procedures	30	28MAR08	08MAY08	08MAY08	1	0		0.00	0.00
DOE-3		DOE approval of scheduled station 3 lifts	0		08MAY08	08MAY08	1	0		0.00	0.00
S21-11.03		Measure bolt length on all tension fasteners	0	09MAY08	08MAY08	08MAY08	1	0		0.00	0.00
S21-11.04		Mark part for identification	0	09MAY08	08MAY08	08MAY08	1	0		0.00	0.00
S21-11.05		Install lift support beams	2	07MAY08	08MAY08	08MAY08	1	0		0.00	3,204.40
S21-11.06		Remove from stand & measure weight of assy	1	09MAY08	09MAY08	09MAY08	1	0		0.00	1,602.20
S21-11.07	2	Move A1-B1-C1 to holding area.	0	12MAY08	09MAY08	09MAY08	1	0		0.00	0.00
Station 2 MC Sub Assy A2-B2-C2											
A-B Assembly											
S22-6.01		A2 "A" flange dwn, 20deg fixt.Obtain fiduci	1	13FEB08	13FEB08	13FEB08	1	0		0.00	1,602.20
S22-6.02		Align to the conical seats locking into a min of	1	14FEB08	14FEB08	14FEB08	1	0		0.00	0.00
S22-6.03		Measure monuments on fixture and on the walls.	2	15FEB08	18FEB08	18FEB08	1	0		0.00	0.00
S22-6.04		Place alumina grind inboard weld shims on coil.	2	19FEB08	20FEB08	20FEB08	1	0		0.00	3,204.40
S22-6.05		Lower the Type-B coil onto the Type-A coil.	1	21FEB08	21FEB08	21FEB08	1	0		0.00	1,602.20
S22-6.06		Meas monuments on A coil. Jack to within .002"	1	22FEB08	22FEB08	22FEB08	1	0		0.00	0.00
S22-6.07		Perform the X-Y positioning of the B coil.	1	25FEB08	25FEB08	25FEB08	1	0		0.00	0.00
S22-6.08		Install studs, supernuts, torque to 50% of final	2	26FEB08	27FEB08	27FEB08	1	0		0.00	3,204.40
S22-6.09		"wiggle" test Tighten bolt and recheck.	1	28FEB08	28FEB08	28FEB08	1	0		0.00	1,602.20



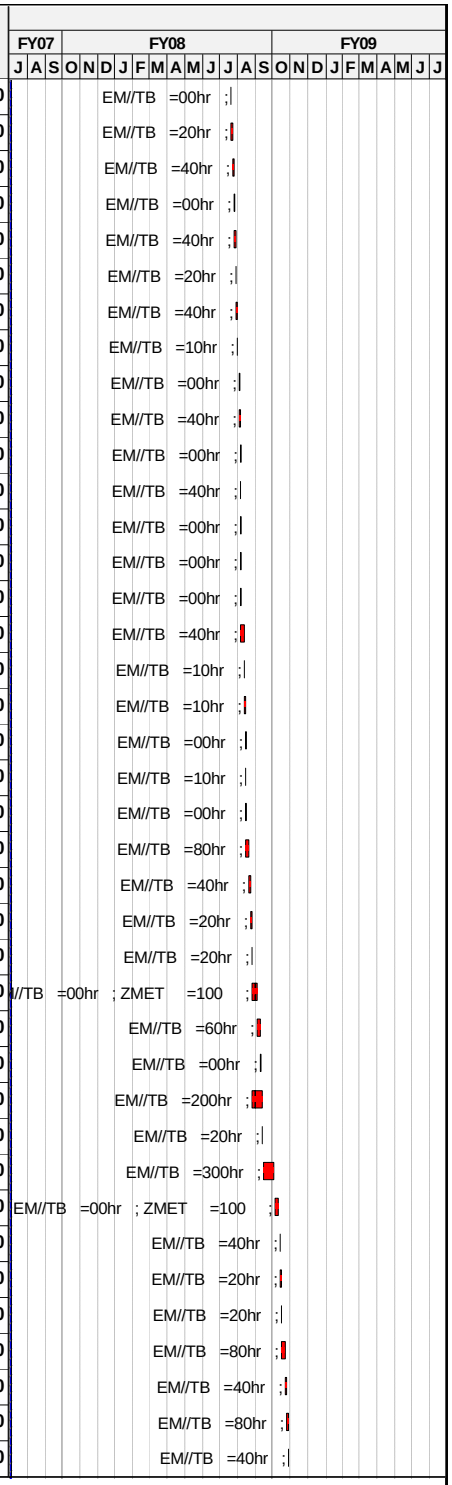
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S22-6.1		Meas tooling balls on both coils. max devi .007"	5	29FEB08	06MAR08	06MAR08	1	0		0.00	0.00
S22-6.11		adjust shims locally. Re-torque all studs to 50%	3	07MAR08	11MAR08	11MAR08	1	0		0.00	4,806.60
S22-6.12		Install bushings	10	12MAR08	25MAR08	25MAR08	1	0		0.00	16,022.00
S22-6.13		Complete tightening of flange bolts to 100%.	1	26MAR08	26MAR08	26MAR08	1	0		0.00	1,602.20
S22-6.14		Measure the tooling balls on both coils.	3	27MAR08	31MAR08	31MAR08	1	0		0.00	0.00
S22-6.15		Scan the "B" flange of Type-B coil	1	01APR08	01APR08	01APR08	1	0		0.00	1,602.20
AB - C Assembly											
S22-7.01		"A/B" assy "A" coil dwn, 40deg fixt.Obtain fiduc	2	02APR08	03APR08	03APR08	1	0		0.00	3,204.40
S22-7.02		Align to the conical seats locking into min of 8	1	04APR08	04APR08	04APR08	1	0		0.00	0.00
S22-7.03		Measure monuments on fixture and walls.	2	07APR08	08APR08	08APR08	1	0		0.00	0.00
S22-7.04		Place alumin grind inboard weld shims on coil.	2	09APR08	10APR08	10APR08	1	0		0.00	3,204.40
S22-7.05		Lower the Type-C coil onto the Type-B coil.	1	11APR08	11APR08	11APR08	1	0		0.00	1,602.20
S22-7.06		Meas monuments on A coil for displacements.	1	14APR08	14APR08	14APR08	1	0		0.00	0.00
S22-7.07		Perform the X-Y positioning of the coil.	1	15APR08	15APR08	15APR08	1	0		0.00	1,602.20
S22-7.08		Install studs, supernuts, torque to 50% of fina	2	16APR08	17APR08	17APR08	1	0		0.00	3,204.40
S22-7.09		"wiggle" test Tighten bolt and recheck.	1	18APR08	18APR08	18APR08	1	0		0.00	1,602.20
S22-7.1		Measure the tooling balls on all coils.	5	21APR08	25APR08	25APR08	1	0		0.00	0.00
S22-7.11		Install bushings Replace nut and tighten to 50%	10	28APR08	09MAY08	09MAY08	1	0		0.00	16,022.00
S22-7.12		Complete tightening of flange bolts to 100%.	1	12MAY08	12MAY08	12MAY08	1	0		0.00	1,602.20
S22-7.13		Measure the tooling balls on both coils.	4	13MAY08	16MAY08	16MAY08	1	0		0.00	0.00
Tack Weld Inboard Welded hims											
S22-8.01		Tack weld all inboard shims to one flange	1	19MAY08	19MAY08	19MAY08	1	0		0.00	1,602.20
Complete Local Service & interface details											
S22-10.01		Install all wing support bladders	2	20MAY08	21MAY08	21MAY08	1	0		0.00	3,204.40
S22-10.02		local service connections on each MC.	8	22MAY08	03JUN08	03JUN08	1	0		0.00	12,817.60
S22-10.03		Inject stycast to fill in all shim spaces	1	04JUN08	04JUN08	04JUN08	1	0		0.00	1,602.20
Final Measurements/Transfer to Holding Area											
S22-11.01		Install or identify three primary fiducials	1	05JUN08	05JUN08	05JUN08	1	0		0.00	1,602.20
S22-11.02		Final metrology measurement of all fiducials.	5	06JUN08	12JUN08	12JUN08	1	0		0.00	0.00
S22-11.03		Tension tester measure bolt length	1	13JUN08	13JUN08	13JUN08	1	0		0.00	801.10
S22-11.04		Mark part for identification	0	16JUN08	13JUN08	13JUN08	1	0		0.00	0.00
S22-11.05		Install lift support beams	2	16JUN08	17JUN08	17JUN08	1	0		0.00	3,204.40
S22-11.06	3	Remove from stand Move A2-B2-C2 to holding area	2	18JUN08	19JUN08	19JUN08	1	0		0.00	3,204.40
Station 2-Modular Coil Subassembly-FP#2											
S23-A3B3C3		Assemble/Align Mod-Coils A3/B3/C3	140	12MAY08	26NOV08	26NOV08	1	0		0.00	171,696.21
S24-A4B4C4		Assemble/Align Mod-Coils A4/B4/C4	97	03JUL08	18NOV08	18NOV08	1	16		0.00	108,078.85
Station 2-Modular Coil Subassembly-FP#3											
S25-A5B5C5		Assemble/Align Mod-Coils A5/B5/C5 (under 1 shift	86	07OCT08*	16FEB09	16FEB09	1	5		0.00	125,174.28
S25A5B5C52		Assemble/Align Mod-Coils A5/B5/C5 (under 2 shift	20	17FEB09*	16MAR09	16MAR09	2	5		0.00	50,053.22



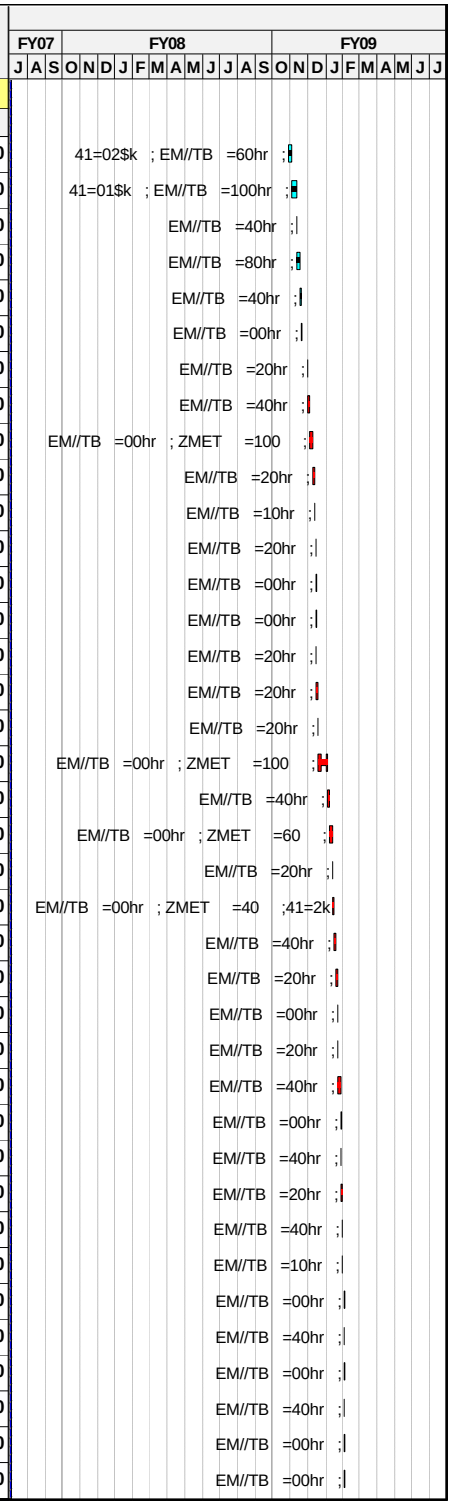
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S26-A6B6C6		Assemble/Align Mod-Coils A6/B6/C6	36	23DEC08*	19FEB09	19FEB09	1	4		0.00	56,732.48
S26A6B6C62		Assemble/Align Mod-Coils A6/B6/C6	24	20FEB09*	25MAR09	25MAR09	2	4		0.00	53,351.62
Station 3 Setup/Preparations/General											
R1810-3102		Misc M&S	65	03APR08*	03JUL08	03JUL08	1	1,060		0.00	6,540.00
R1810-3104		Procure 3 legged actuator system	20	01OCT07*	26OCT07	26OCT07	1	78		0.00	56,244.00
R1810-3106		Load test 3 ledded actuator system	3	29OCT07	31OCT07	31OCT07	1	78		0.00	7,690.56
R1810-3108		Procure ,Fabricate 3 legged actuator lift fixtur	20	01OCT07*	26OCT07	26OCT07	1	73		0.00	7,848.00
R1810-3112		Load Test 3 legged actuator lift fixtur	8	29OCT07	07NOV07	07NOV07	1	73		0.00	10,254.08
R1810-3150		Fab New legs	4	01OCT07*	04OCT07	04OCT07	1	87		0.00	5,127.04
R1810-3103		Install station 3 platforms (8 required)	4	22NOV07	27NOV07	23NOV07	1	53		0.00	22,052.32
R1810-3107		Test out station 3 equipment and procedures	4	28NOV07	05DEC07	03DEC07	1	53		0.00	13,080.00
R1810-3109		Begin assy of first field period assy	2	06DEC07	07DEC07	05DEC07	1	53		0.00	52,320.00
Station 3-Assemble Mod Coils and VVSA-FP#1											
R1810-2109		Begin Station 3	0	03MAR08*			1	0		0.00	0.00
S31-1.01		Install Station 3 site monuments	3	03MAR08	05MAR08	05MAR08	1	0		0.00	7,422.60
S31-1.02		Install floor mounted tracks and VV base support	5	06MAR08	12MAR08	12MAR08	1	52		0.00	9,319.00
S31-1.03		Establish the MCHP CG location.	2	13MAR08	14MAR08	14MAR08	1	52		0.00	3,204.40
S31-2.01		Install MCHP support cart assemblies	4	17MAR08	20MAR08	20MAR08	1	52		0.00	6,408.80
S31-2.02		Verify cart motion.	2	21MAR08	24MAR08	24MAR08	1	52		0.00	3,204.40
S31-2.03		Install adjustor bar support weldment	0	25MAR08	24MAR08	24MAR08	1	52		0.00	0.00
S31-2.04		Position left MCHP on the cart assembly	1	12MAY08	12MAY08	12MAY08	1	18		0.00	1,602.20
S31-2.05		Secure left MCHP on support cart base.	2	13MAY08	14MAY08	14MAY08	1	18		0.00	3,204.40
S31-2.06		Measure monuments on left MCHP and walls	5	15MAY08	21MAY08	21MAY08	1	18		0.00	0.00
S31-2.07		Set positioning stop on the cart	1	22MAY08	22MAY08	22MAY08	1	18		0.00	1,602.20
S31-3.01		Move right base support cart to its final positi	1	23MAY08	23MAY08	23MAY08	1	18		0.00	801.10
S31-3.02		Lift the right side MCHP and position	1	20JUN08	20JUN08	20JUN08	1	0		0.00	1,602.20
S31-3.03		Temporary fasteners bring the parts together.	0	23JUN08	20JUN08	20JUN08	1	0		0.00	0.00
S31-3.04		AirLoc Wedgemount leveler to take load.	0	23JUN08	20JUN08	20JUN08	1	0		0.00	0.00
S31-3.05		Install temp scaffolding to install flange hw	1	23JUN08	23JUN08	23JUN08	1	0		0.00	1,602.20
S31-3.06		Install bolts and shims	1	24JUN08	24JUN08	24JUN08	1	0		0.00	1,602.20
S31-3.07		Tighten flange fasteners to 50%	1	25JUN08	25JUN08	25JUN08	1	0		0.00	1,602.20
S31-3.08		Perform metrology measurements	5	26JUN08	02JUL08	02JUL08	1	0		0.00	0.00
S31-3.09		Perform position adjust on right side MCHP	2	03JUL08	07JUL08	07JUL08	1	0		0.00	3,204.40
S31-3.1		Verify position of the VV support hanger	3	08JUL08	10JUL08	10JUL08	1	0		0.00	0.00
S31-3.11		Remove flange hardware and temp platforms	1	11JUL08	11JUL08	11JUL08	1	0		0.00	1,602.20
S31-4.01		EMeasure monuments on the MCHP's &walls.	2	14JUL08	15JUL08	15JUL08	1	0		0.00	2,616.00
S31-4.02		Place all of the laser screens	2	16JUL08	17JUL08	17JUL08	1	0		0.00	3,204.40
S31-4.03		Determine laser alignment.	1	18JUL08	18JUL08	18JUL08	1	0		0.00	1,602.20



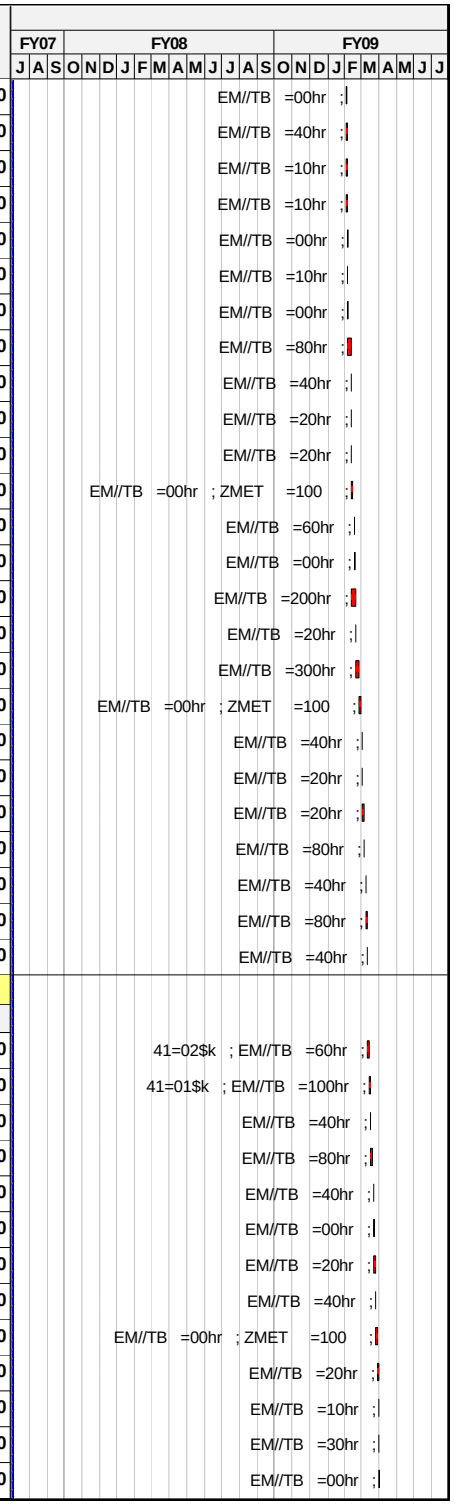
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S31-4.04		mount the milar on the screens.	1	21JUL08	21JUL08	21JUL08	1	0		0.00	0.00
S31-4.05		Disengage MCHP's to move the left MCHP.	1	22JUL08	22JUL08	22JUL08	1	0		0.00	1,602.20
S31-4.06		Remove both MCHP's.	2	23JUL08	24JUL08	24JUL08	1	0		0.00	3,204.40
S31-5.01		Remove the adjustor bar support from left side.	0	25JUL08	24JUL08	24JUL08	1	0		0.00	0.00
S31-5.02		Install VV NBI port support stand.	2	25JUL08	28JUL08	28JUL08	1	0		0.00	3,204.40
S31-5.03		Install VVSA to base support	1	29JUL08	29JUL08	29JUL08	1	0		0.00	1,602.20
S31-5.04		Secure the VVSA to base & NBI port sprt stand.	2	30JUL08	31JUL08	31JUL08	1	0		0.00	3,204.40
S31-6.01		Install bumper protection components on the VV	1	01AUG08	01AUG08	01AUG08	1	0		0.00	801.10
S31-6.02		Position AirLoc Wedgemount in lower position.	0	04AUG08	01AUG08	01AUG08	1	0		0.00	0.00
S31-6.03		move the left MCHP over the VV.	2	04AUG08	05AUG08	05AUG08	1	0		0.00	3,204.40
S31-6.04		Re-install the left adjustor bar.	0	06AUG08	05AUG08	05AUG08	1	0		0.00	0.00
S31-6.05		Make adjustments to properly align MCHP.	2	06AUG08	07AUG08	07AUG08	1	0		0.00	3,204.40
S31-6.06		Transfer load to the AirLoc Wedgemount leveler.	0	08AUG08	07AUG08	07AUG08	1	0		0.00	0.00
S31-6.07		move the MCHP to the left 1/2".	0	08AUG08	07AUG08	07AUG08	1	0		0.00	0.00
S31-7.01		Position AirLoc Wedgemount lowered position.	0	08AUG08	07AUG08	07AUG08	1	0		0.00	0.00
S31-7.02		move the right MCHP over the VV	2	08AUG08	11AUG08	11AUG08	1	0		0.00	3,204.40
S31-7.03		move the left MCHP to its final position.	1	12AUG08	12AUG08	12AUG08	1	0		0.00	801.10
S31-7.04		engage the preinstalled Type-A flange bushings.	1	13AUG08	13AUG08	13AUG08	1	0		0.00	801.10
S31-7.05		Temporary fasteners bring the parts together.	0	14AUG08	13AUG08	13AUG08	1	0		0.00	0.00
S31-7.06		AirLoc Wedgemount leveler up to take the load.	1	14AUG08	14AUG08	14AUG08	1	0		0.00	801.10
S31-7.07		Remove laser screens	0	15AUG08	14AUG08	14AUG08	1	0		0.00	0.00
S31-7.08		Install temp scaffolding to install flange hw	4	15AUG08	20AUG08	20AUG08	1	0		0.00	6,408.80
S31-7.09		Install bolts, alumina and inboard weld shims.	2	21AUG08	22AUG08	22AUG08	1	0		0.00	3,204.40
S31-7.1		Tighten flange fasteners to 50%	1	25AUG08	25AUG08	25AUG08	1	0		0.00	1,602.20
S31-7.11		"wiggle" test Tighten bolt and recheck.	1	26AUG08	26AUG08	26AUG08	1	0		0.00	1,602.20
S31-7.12		Perform metrology measurements	5	27AUG08	03SEP08	03SEP08	1	0		0.00	0.00
S31-7.13		Perform position adjustments right side MCHP	3	04SEP08	08SEP08	08SEP08	1	0		0.00	4,806.60
S31-7.14		Remove SISSCO actuator from right MCHP.	0	09SEP08	08SEP08	08SEP08	1	0		0.00	0.00
S31-7.15		Pre-fit & Install bushings	10	28AUG08	11SEP08	11SEP08	1	0		0.00	16,022.00
S31-7.16		Tighten nuts 100%. & Measure	1	12SEP08	12SEP08	12SEP08	1	0		0.00	1,602.20
S31-8.01		partially weld the inboard shim.	15	15SEP08	03OCT08	03OCT08	1	0		0.00	24,174.00
S31-8.02		Final complete MC scan verify period alignment.	5	06OCT08	10OCT08	10OCT08	1	0		0.00	0.00
S31-9.01		Attach VV permanent vertical supports	2	13OCT08	14OCT08	14OCT08	1	0		0.00	3,298.40
S31-9.02		Attach temporary VV vertical supports	1	15OCT08	15OCT08	15OCT08	1	0		0.00	1,649.20
S31-9.03		Transfer load to vertical supports.	1	16OCT08	16OCT08	16OCT08	1	0		0.00	1,649.20
S31-9.04		Install VV lateral supports and align	4	17OCT08	22OCT08	22OCT08	1	0		0.00	6,596.80
S31-9.05		Prepare VVSA for transport.	2	23OCT08	24OCT08	24OCT08	1	0		0.00	3,298.40
S31-10.01		transfer the unit to the transfer support frame	2	27OCT08	28OCT08	28OCT08	1	0		0.00	6,596.80
S31-10.02	2	Transfer Period 1 to Station 5 in NCSX TC	1	29OCT08	29OCT08	29OCT08	1	0		0.00	3,298.40



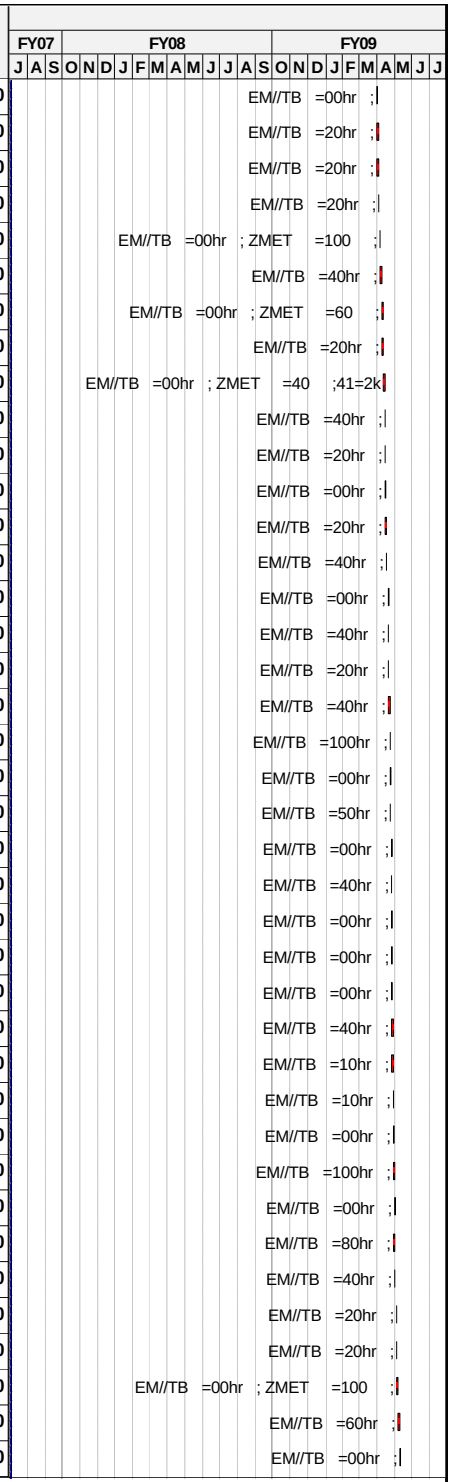
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
Station 3-Assemble Mod Coils and VVSA-FP#2											
S32-1.01		Install Station 3 site monuments	3	30OCT08	03NOV08	03NOV08	1	4		0.00	7,741.60
S32-1.02		Install floor mounted tracks and VV base support	5	04NOV08	10NOV08	10NOV08	1	4		0.00	9,643.00
S32-1.03		Establish the MCHP CG location.	2	11NOV08	12NOV08	12NOV08	1	4		0.00	3,298.40
S32-2.01		Install MCHP support cart assemblies	4	13NOV08	18NOV08	18NOV08	1	4		0.00	6,596.80
S32-2.02		Verify cart motion.	2	19NOV08	20NOV08	20NOV08	1	4		0.00	3,298.40
S32-2.03		Install adjustor bar support weldment	0	21NOV08	20NOV08	20NOV08	1	4		0.00	0.00
S32-2.04		Position left MCHP on the cart assembly	1	01DEC08	01DEC08	01DEC08	1	0		0.00	1,649.20
S32-2.05		Secure left MCHP on support cart base.	2	02DEC08	03DEC08	03DEC08	1	0		0.00	3,298.40
S32-2.06		Measure monuments on left MCHP and walls	5	04DEC08	10DEC08	10DEC08	1	0		0.00	0.00
S32-2.07		Set positioning stop on the cart	1	11DEC08	11DEC08	11DEC08	1	0		0.00	1,649.20
S32-3.01		Move right base support cart to its final positi	1	12DEC08	12DEC08	12DEC08	1	0		0.00	824.60
S32-3.02		Lift the right side MCHP and position	1	15DEC08	15DEC08	15DEC08	1	0		0.00	1,649.20
S32-3.03		Temporary fasteners bring the parts together.	0	16DEC08	15DEC08	15DEC08	1	0		0.00	0.00
S32-3.04		AirLoc Wedgemount leveler to take load.	0	16DEC08	15DEC08	15DEC08	1	0		0.00	0.00
S32-3.05		Install temp scaffolding to install flange hw	1	16DEC08	16DEC08	16DEC08	1	0		0.00	1,649.20
S32-3.06		Install bolts and shims	1	17DEC08	17DEC08	17DEC08	1	0		0.00	1,649.20
S32-3.07		Tighten flange fasteners to 50%	1	18DEC08	18DEC08	18DEC08	1	0		0.00	1,649.20
S32-3.08		Perform metrology measurements	5	19DEC08	05JAN09	05JAN09	1	0		0.00	0.00
S32-3.09		Perform position adjust on right side MCHP	2	06JAN09	07JAN09	07JAN09	1	0		0.00	3,298.40
S32-3.1		Verify position of the VV support hanger	3	08JAN09	12JAN09	12JAN09	1	0		0.00	0.00
S32-3.11		Remove flange hardware and temp platforms	1	13JAN09	13JAN09	13JAN09	1	0		0.00	1,649.20
S32-4.01		EMeasure monuments on the MCHP's &walls.	2	14JAN09	15JAN09	15JAN09	1	0		0.00	2,794.00
S32-4.02		Place all of the laser screens	2	16JAN09	19JAN09	19JAN09	1	0		0.00	3,298.40
S32-4.03		Determine laser alignment.	1	20JAN09	20JAN09	20JAN09	1	0		0.00	1,649.20
S32-4.04		mount the milar on the screens.	1	21JAN09	21JAN09	21JAN09	1	0		0.00	0.00
S32-4.05		Disengage MCHP's to move the left MCHP.	1	22JAN09	22JAN09	22JAN09	1	0		0.00	1,649.20
S32-4.06		Remove both MCHP's.	2	23JAN09	26JAN09	26JAN09	1	0		0.00	3,298.40
S32-5.01		Remove the adjustor bar support from left side.	0	27JAN09	26JAN09	26JAN09	1	0		0.00	0.00
S32-5.02		Install VV NBI port support stand.	2	27JAN09	28JAN09	28JAN09	1	0		0.00	3,298.40
S32-5.03		Install VVSA to base support	1	29JAN09	29JAN09	29JAN09	1	0		0.00	1,649.20
S32-5.04		Secure the VVSA to base & NBI port sprt stand.	1	30JAN09	30JAN09	30JAN09	2	0		0.00	3,298.40
S32-6.01		Install bumper protection components on the VV	1	30JAN09	30JAN09	30JAN09	2	0		0.00	824.60
S32-6.02		Position AirLoc Wedgemount in lower position.	0	02FEB09	30JAN09	30JAN09	2	0		0.00	0.00
S32-6.03		move the left MCHP over the VV.	1	02FEB09	02FEB09	02FEB09	2	0		0.00	3,298.40
S32-6.04		Re-install the left adjustor bar.	0	03FEB09	02FEB09	02FEB09	2	0		0.00	0.00
S32-6.05		Make adjustments to properly align MCHP.	1	03FEB09	03FEB09	03FEB09	2	0		0.00	3,298.40
S32-6.06		Transfer load to the AirLoc Wedgemount leveler.	0	04FEB09	03FEB09	03FEB09	2	0		0.00	0.00
S32-6.07		move the MCHP to the left 1/2".	0	04FEB09	03FEB09	03FEB09	2	0		0.00	0.00



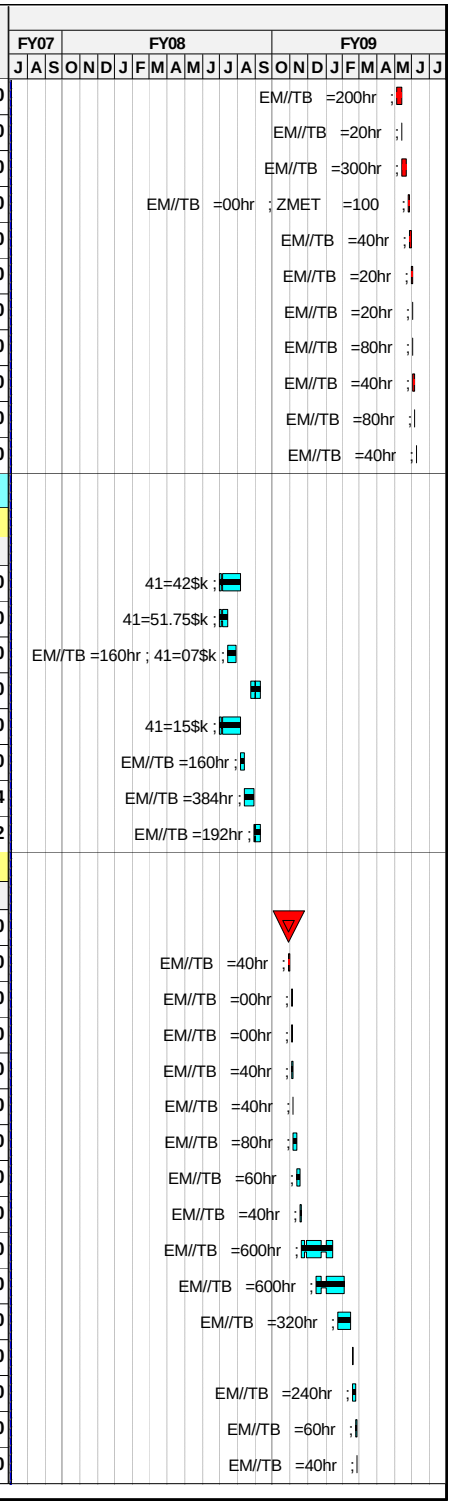
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S32-7.01		Position AirLoc Wedgemount lowered position.	0	04FEB09	03FEB09	03FEB09	2	0		0.00	0.00
S32-7.02		move the right MCHP over the VV	1	04FEB09	04FEB09	04FEB09	2	0		0.00	3,298.40
S32-7.03		move the left MCHP to its final position.	1	04FEB09	04FEB09	04FEB09	2	0		0.00	824.60
S32-7.04		engage the preinstalled Type-A flange bushings.	1	04FEB09	04FEB09	04FEB09	2	0		0.00	824.60
S32-7.05		Temporary fasteners bring the parts together.	0	05FEB09	04FEB09	04FEB09	2	0		0.00	0.00
S32-7.06		AirLoc Wedgemount leveler up to take the load.	1	05FEB09	05FEB09	05FEB09	2	0		0.00	824.60
S32-7.07		Remove laser screens	0	06FEB09	05FEB09	05FEB09	2	0		0.00	0.00
S32-7.08		Install temp scaffolding to install flange hw	2	06FEB09	09FEB09	09FEB09	2	0		0.00	6,596.80
S32-7.09		Install bolts, alumina and inboard weld shims.	1	10FEB09	10FEB09	10FEB09	2	0		0.00	3,298.40
S32-7.1		Tighten flange fasteners to 50%	1	11FEB09	11FEB09	11FEB09	2	0		0.00	1,649.20
S32-7.11		"wiggle" test Tighten bolt and recheck.	1	11FEB09	11FEB09	11FEB09	2	0		0.00	1,649.20
S32-7.12		Perform metrology measurements	2	12FEB09	13FEB09	13FEB09	2	0		0.00	0.00
S32-7.13		Perform position adjustments right side MCHP	2	16FEB09	17FEB09	17FEB09	2	0		0.00	4,947.60
S32-7.14		Remove SISSCO actuator from right MCHP.	0	18FEB09	17FEB09	17FEB09	2	0		0.00	0.00
S32-7.15		Pre-fit & Install bushings	5	12FEB09	18FEB09	18FEB09	2	0		0.00	16,492.00
S32-7.16		Tighten nuts 100%. & Measure	1	19FEB09	19FEB09	19FEB09	2	0		0.00	1,649.20
S32-8.01		partially weld the inboard shim.	4	20FEB09	25FEB09	25FEB09	2	0		0.00	24,738.00
S32-8.02		Final complete MC scan verify period alignment.	2	26FEB09	27FEB09	27FEB09	2	0		0.00	0.00
S32-9.01		Attach VV permanent vertical supports	1	02MAR09	02MAR09	02MAR09	2	0		0.00	3,298.40
S32-9.02		Attach temporary VV vertical supports	1	03MAR09	03MAR09	03MAR09	2	0		0.00	1,649.20
S32-9.03		Transfer load to vertical supports.	1	04MAR09	04MAR09	04MAR09	2	0		0.00	1,649.20
S32-9.04		Install VV lateral supports and align	2	05MAR09	06MAR09	06MAR09	2	0		0.00	6,596.80
S32-9.05		Prepare VVSA for transport.	1	09MAR09	09MAR09	09MAR09	2	0		0.00	3,298.40
S32-10.01		transfer the unit to the transfer support frame	1	10MAR09	10MAR09	10MAR09	2	0		0.00	6,596.80
S32-10.02	2	Transfer Period 2 to Station 5 in NCSX TC	1	11MAR09	11MAR09	11MAR09	2	0		0.00	3,298.40
Station 3-Assemble Mod Coils and VVSA-FP#3											
S33-1.01		Install Station 3 site monuments	2	12MAR09	13MAR09	13MAR09	2	0		0.00	7,741.60
S33-1.02		Install floor mounted tracks and VV base support	2	16MAR09	17MAR09	17MAR09	2	0		0.00	9,643.00
S33-1.03		Establish the MCHP CG location.	1	18MAR09	18MAR09	18MAR09	2	0		0.00	3,298.40
S33-2.01		Install MCHP support cart assemblies	2	19MAR09	20MAR09	20MAR09	2	0		0.00	6,596.80
S33-2.02		Verify cart motion.	1	23MAR09	23MAR09	23MAR09	2	0		0.00	3,298.40
S33-2.03		Install adjustor bar support weldment	0	24MAR09	23MAR09	23MAR09	2	0		0.00	0.00
S33-2.04		Position left MCHP on the cart assembly	1	24MAR09	24MAR09	24MAR09	2	0		0.00	1,649.20
S33-2.05		Secure left MCHP on support cart base.	1	25MAR09	25MAR09	25MAR09	2	0		0.00	3,298.40
S33-2.06		Measure monuments on left MCHP and walls	2	26MAR09	27MAR09	27MAR09	2	0		0.00	0.00
S33-2.07		Set positioning stop on the cart	1	30MAR09	30MAR09	30MAR09	2	0		0.00	1,649.20
S33-3.01		Move right base support cart to its final positi	1	31MAR09	31MAR09	31MAR09	2	0		0.00	824.60
S33-3.02		Lift the right side MCHP and position	1	01APR09	01APR09	01APR09	2	0		0.00	2,473.80
S33-3.03		Temporary fasteners bring the parts together.	0	02APR09	01APR09	01APR09	2	0		0.00	0.00



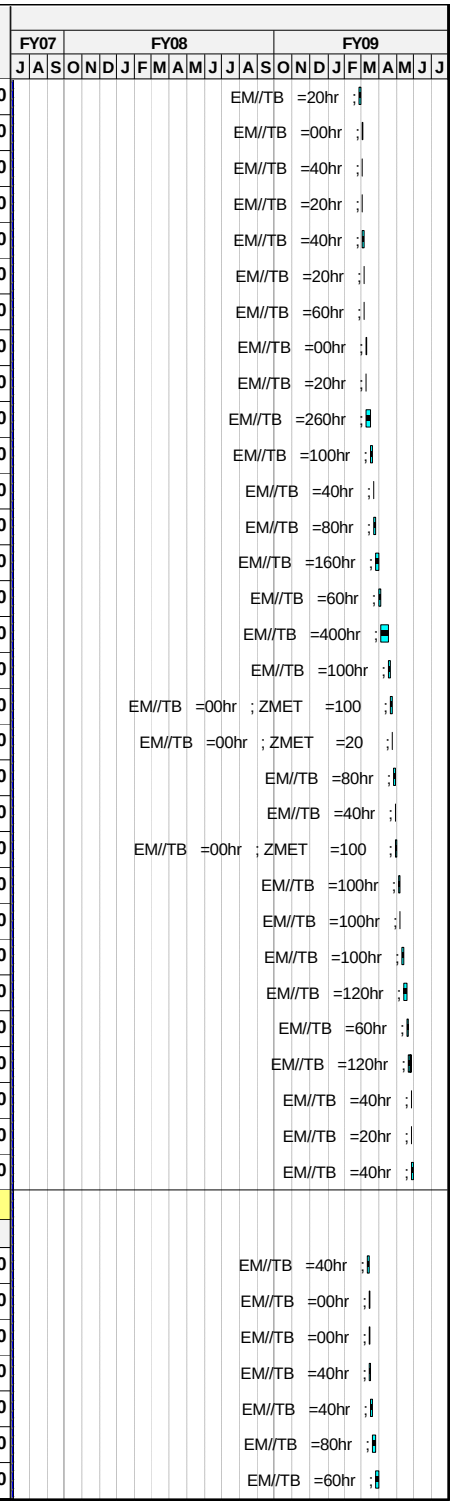
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S33-3.04		AirLoc Wedgemount leveler to take load.	0	02APR09	01APR09	01APR09	2	0		0.00	0.00
S33-3.05		Install temp scaffolding to install flange hw	1	02APR09	02APR09	02APR09	2	0		0.00	1,649.20
S33-3.06		Install bolts and shims	1	02APR09	02APR09	02APR09	2	0		0.00	1,649.20
S33-3.07		Tighten flange fasteners to 50%	1	03APR09	03APR09	03APR09	2	0		0.00	1,649.20
S33-3.08		Perform metrology measurements	2	06APR09	07APR09	07APR09	2	0		0.00	0.00
S33-3.09		Perform position adjust on right side MCHP	1	08APR09	08APR09	08APR09	2	0		0.00	3,298.40
S33-3.1		Verify position of the VV support hanger	2	09APR09	10APR09	10APR09	2	0		0.00	0.00
S33-3.11		Remove flange hardware and temp platforms	2	09APR09	10APR09	10APR09	2	0		0.00	1,649.20
S33-4.01		EMeasure monuments on the MCHP's &walls.	1	13APR09	13APR09	13APR09	2	0		0.00	2,794.00
S33-4.02		Place all of the laser screens	1	14APR09	14APR09	14APR09	2	0		0.00	3,298.40
S33-4.03		Determine laser alignment.	1	15APR09	15APR09	15APR09	2	0		0.00	1,649.20
S33-4.04		mount the milar on the screens.	0	16APR09	15APR09	15APR09	2	0		0.00	0.00
S33-4.05		Disengage MCHP's to move the left MCHP.	1	16APR09	16APR09	16APR09	2	0		0.00	1,649.20
S33-4.06		Remove both MCHP's.	1	17APR09	17APR09	17APR09	2	0		0.00	3,298.40
S33-5.01		Remove the adjustor bar support from left side.	0	20APR09	17APR09	17APR09	2	0		0.00	0.00
S33-5.02		Install VV NBI port support stand.	1	20APR09	20APR09	20APR09	2	0		0.00	3,298.40
S33-5.03		Install VVSA to base support	1	21APR09	21APR09	21APR09	2	0		0.00	1,649.20
S33-5.04		Secure the VVSA to base & NBI port sprt stand.	1	22APR09	22APR09	22APR09	2	0		0.00	3,298.40
S33-6.01		Install bumper protection components on the VV	1	23APR09	23APR09	23APR09	2	0		0.00	824.60
S33-6.02		Position AirLoc Wedgemount in lower position.	0	24APR09	23APR09	23APR09	2	0		0.00	0.00
S33-6.03		move the left MCHP over the VV.	1	24APR09	24APR09	24APR09	2	0		0.00	4,123.00
S33-6.04		Re-install the left adjustor bar.	0	27APR09	24APR09	24APR09	2	0		0.00	0.00
S33-6.05		Make adjustments to properly align MCHP.	1	27APR09	27APR09	27APR09	2	0		0.00	3,298.40
S33-6.06		Transfer load to the AirLoc Wedgemount leveler.	0	28APR09	27APR09	27APR09	2	0		0.00	0.00
S33-6.07		move the MCHP to the left 1/2".	0	28APR09	27APR09	27APR09	2	0		0.00	0.00
S33-7.01		Position AirLoc Wedgemount lowered position.	0	28APR09	27APR09	27APR09	2	0		0.00	0.00
S33-7.02		move the right MCHP over the VV	1	28APR09	28APR09	28APR09	2	0		0.00	3,298.40
S33-7.03		move the left MCHP to its final position.	1	28APR09	28APR09	28APR09	2	0		0.00	824.60
S33-7.04		engage the preinstalled Type-A flange bushings.	1	29APR09	29APR09	29APR09	2	0		0.00	824.60
S33-7.05		Temporary fasteners bring the parts together.	0	30APR09	29APR09	29APR09	2	0		0.00	0.00
S33-7.06		AirLoc Wedgemount leveler up to take the load.	1	30APR09	30APR09	30APR09	2	0		0.00	824.60
S33-7.07		Remove laser screens	0	01MAY09	30APR09	30APR09	2	0		0.00	0.00
S33-7.08		Install temp scaffolding to install flange hw	2	29APR09	30APR09	30APR09	2	0		0.00	6,596.80
S33-7.09		Install bolts, alumina and inboard weld shims.	1	01MAY09	01MAY09	01MAY09	2	0		0.00	3,298.40
S33-7.1		Tighten flange fasteners to 50%	1	04MAY09	04MAY09	04MAY09	2	0		0.00	1,649.20
S33-7.11		"wiggle" test Tighten bolt and recheck.	1	05MAY09	05MAY09	05MAY09	2	0		0.00	1,649.20
S33-7.12		Perform metrology measurements	2	06MAY09	07MAY09	07MAY09	2	0		0.00	0.00
S33-7.13		Perform position adjustments right side MCHP	2	08MAY09	11MAY09	11MAY09	2	0		0.00	4,947.60
S33-7.14		Remove SISSCO actuator from right MCHP.	0	12MAY09	11MAY09	11MAY09	2	0		0.00	0.00



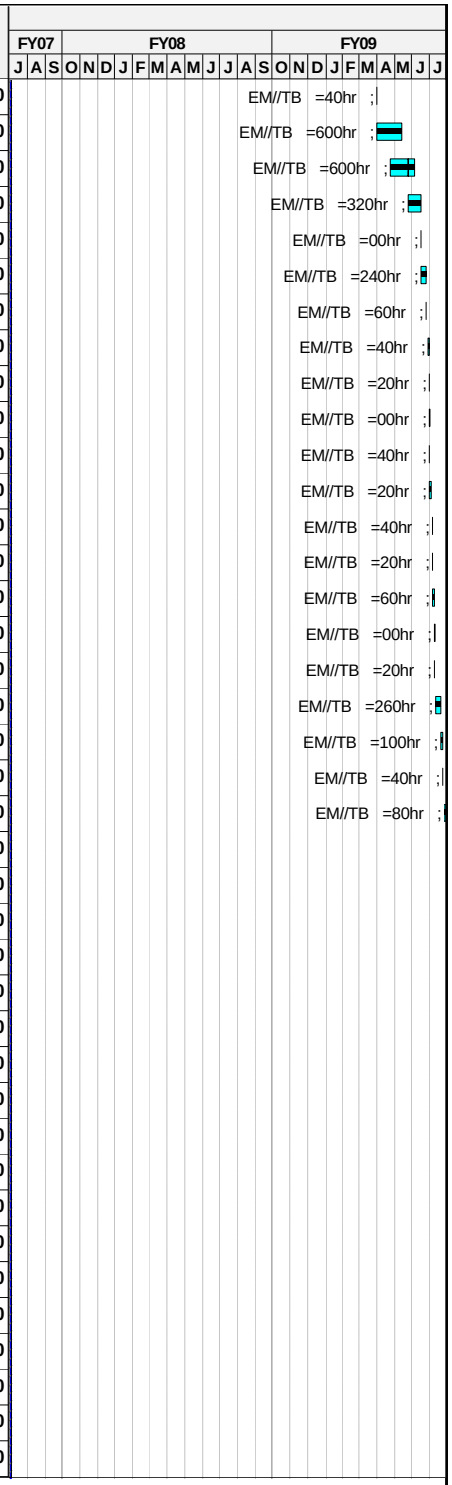
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S33-7.15		Pre-fit & Install bushing.	5	06MAY09	12MAY09	12MAY09	2	0		0.00	16,492.00
S33-7.16		Tighten nuts 100%. & Measure	1	13MAY09	13MAY09	13MAY09	2	0		0.00	1,649.20
S33-8.01		partially weld the inboard shim.	7	14MAY09	22MAY09	22MAY09	2	0		0.00	24,738.00
S33-8.02		Final complete MC scan verify period alignment.	3	26MAY09	28MAY09	28MAY09	2	0		0.00	0.00
S33-9.01		Attach VV permanent vertical supports	1	29MAY09	29MAY09	29MAY09	2	0		0.00	3,298.40
S33-9.02		Attach temporary VV vertical supports	1	01JUN09	01JUN09	01JUN09	2	0		0.00	1,649.20
S33-9.03		Transfer load to vertical supports.	1	02JUN09	02JUN09	02JUN09	2	0		0.00	1,649.20
S33-9.04		Install VV lateral supports and align	1	03JUN09	03JUN09	03JUN09	2	0		0.00	6,596.80
S33-9.05		Prepare VVSA for transport.	1	04JUN09	04JUN09	04JUN09	2	0		0.00	3,298.40
S33-10.01		transfer the unit to the transfer support frame	1	05JUN09	05JUN09	05JUN09	2	0		0.00	6,596.80
S33-10.02	2	Transfer Period 3 to Station 5 in NCSX TC	1	08JUN09	08JUN09	08JUN09	2	0		0.00	3,298.40
Job: 1815 - Field Period Assy -Station 5-VIOLA											
Setup/Preparations/General											
R1810-5101		MTM NCR hardware re-purchase	25	01JUL08*	05AUG08	05AUG08	1	37		0.00	54,936.00
R1810-5102		Monuments,reflectors,CCR's	10	01JUL08*	15JUL08	15JUL08	1	42		0.00	67,689.00
R1810-5103		metrology network in NCSX TC	10	16JUL08	29JUL08	29JUL08	1	42		0.00	21,973.60
R1810-5104		Misc for tooling	10	25AUG08*	08SEP08	08SEP08	1	37		0.00	0.00
R1810-5112		Weld wire & welding supplies	25	01JUL08*	05AUG08	05AUG08	1	37		0.00	19,620.00
R1810-5106		Testout Sta 5 equipt & procedures	5	06AUG08	12AUG08	12AUG08	1	37		0.00	12,817.60
R1810-5107		Check 3 sled interfaces adjust holes	12	13AUG08	28AUG08	28AUG08	1	37		0.00	30,762.24
R1810-5108		Fixtures installed-final metrology	6	29AUG08	08SEP08	08SEP08	1	37		0.00	15,381.12
Station 5- Final FP Assy -FP#1 (in NCSX TC)											
R1810-5109		Begin Station 5 Operations	0		29OCT08	29OCT08	1	0		0.00	0.00
S51-1.01		cut off short dome	2	30OCT08	31OCT08	31OCT08	1	0		0.00	3,298.40
S51-1.02		Install insulation system around all ports.	0	03NOV08	31OCT08	31OCT08	1	5		0.00	0.00
S51-1.03		Install heat tape and theomocouples on all ports	0	03NOV08	31OCT08	31OCT08	1	5		0.00	0.00
S51-2.01		Install period support fixture	2	03NOV08	04NOV08	04NOV08	1	5		0.00	3,298.40
S51-2.02		Install FPA on support stand.	2	05NOV08	06NOV08	06NOV08	1	5		0.00	3,298.40
S51-2.03		Install external working platforms	4	07NOV08	12NOV08	12NOV08	1	5		0.00	6,596.80
S51-2.04		Install internal VV working platforms	3	13NOV08	17NOV08	17NOV08	1	5		0.00	4,947.60
S51-3.01		Install the domes (left and right side),	2	18NOV08	19NOV08	19NOV08	1	5		0.00	3,298.40
S51-3.02		Install small dome ports remaining circ ports.	30	20NOV08	13JAN09	13JAN09	1	5		0.00	49,476.00
S51-3.03		Leak check each port after it is welded.	30	15DEC08	03FEB09	03FEB09	1	5		0.00	49,476.00
S51-4.01		Install boots on ports except for the two port	16	23JAN09	13FEB09	13FEB09	1	5		0.00	26,387.20
S51-5.01		Install MC lead connections to MC's (in job 7503	0	16FEB09	13FEB09	13FEB09	1	5		0.00	0.00
S51-5.02		Install MC coolant lines on each MC	6	16FEB09	23FEB09	23FEB09	2	5		0.00	19,790.40
S51-5.03		Platforms may need to be altered	2	24FEB09	25FEB09	25FEB09	2	5		0.00	4,947.60
S51-6.01		Rotate 2 TF coils over the MC on the right side	1	26FEB09	26FEB09	26FEB09	2	5		0.00	3,298.40



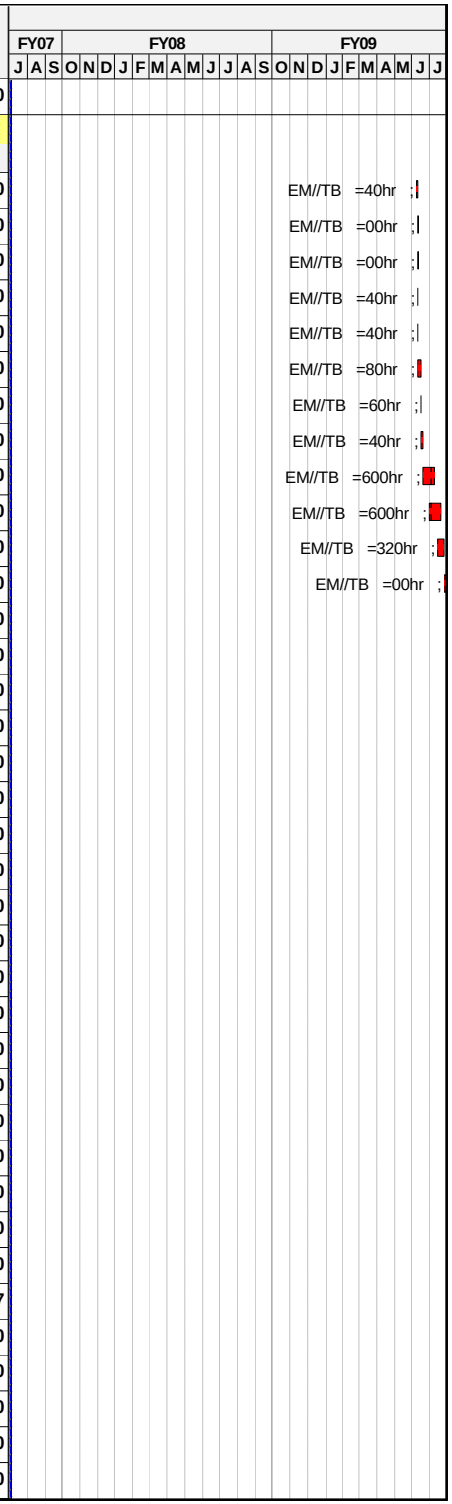
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S51-6.02		Attach the temp support at end of Type-C MC	1	27FEB09	27FEB09	27FEB09	2	5		0.00	1,649.20
S51-6.03		Lower leveler pad disengage base of MC right sid	0	02MAR09	27FEB09	27FEB09	2	5		0.00	0.00
S51-6.04		Install TF support brackets	1	02MAR09	02MAR09	02MAR09	2	5		0.00	3,298.40
S51-6.05		Secure First TF assy	1	03MAR09	03MAR09	03MAR09	2	5		0.00	1,649.20
S51-6.06		Install TF support brackets	1	04MAR09	04MAR09	04MAR09	2	5		0.00	3,298.40
S51-6.07		Secure 2nd TF coil	1	05MAR09	05MAR09	05MAR09	2	5		0.00	1,649.20
S51-6.08		Install machine support plates	1	06MAR09	06MAR09	06MAR09	2	5		0.00	4,947.60
S51-6.09		Reinstall leveler pad	0	09MAR09	06MAR09	06MAR09	2	5		0.00	0.00
S51-6.1		Installed one side of the TF support brackets	1	09MAR09	09MAR09	09MAR09	2	5		0.00	1,649.20
S51-7.01		The TF installation on the left side	7	10MAR09	18MAR09	18MAR09	2	5		0.00	21,439.60
S51-8.01		Perform a fit-up check of the four TF coils	2	19MAR09	20MAR09	20MAR09	2	5		0.00	8,246.00
S51-9.01		Tack weld the left and right port 4's.	1	23MAR09	23MAR09	23MAR09	2	5		0.00	3,298.40
S51-9.02		Install boots on both port 4's.	2	24MAR09	25MAR09	25MAR09	2	5		0.00	6,596.80
S51-10.01		Install PF coil support structure	4	26MAR09	31MAR09	31MAR09	2	5		0.00	13,193.60
S51-11.01		Install tMC coolant manifold	2	01APR09	02APR09	02APR09	2	5		0.00	4,947.60
S51-11.02		Connect MC coolant lines to the manifold	10	03APR09	16APR09	16APR09	2	5		0.00	32,984.00
S51-12.01		Install Rogowski coils	3	17APR09	21APR09	21APR09	2	5		0.00	8,246.00
S51-13.01		Obtain set of Period 1 align fiducial positions	2	22APR09	23APR09	23APR09	2	5		0.00	0.00
S51-13.02		align to tooling balls on each MCHP	1	24APR09	24APR09	24APR09	2	5		0.00	0.00
S51-13.03		bring the VV into proper alignment	2	27APR09	28APR09	28APR09	2	5		0.00	6,596.80
S51-13.04		Install or identify three primary fiducials	1	29APR09	29APR09	29APR09	2	5		0.00	3,298.40
S51-13.05		Make a final measurement of all fiducials	2	30APR09	01MAY09	01MAY09	2	5		0.00	0.00
S51-13.11		Check Assembly (bolts, etc)	3	04MAY09	06MAY09	06MAY09	2	5		0.00	8,246.00
S51-13.12		Check Diagnostics (Loops, thermocouples)	2	07MAY09	08MAY09	08MAY09	2	5		0.00	8,246.00
S51-13.13		Check manifolds (pressure, flow, etc.)	3	11MAY09	13MAY09	13MAY09	2	5		0.00	8,246.00
S51-13.14		Check 6 modcoils (voltage etc)	3	14MAY09	18MAY09	18MAY09	2	5		0.00	9,895.20
S51-13.15		Check trim coils (voltage etc)	2	19MAY09	20MAY09	20MAY09	2	5		0.00	4,947.60
S51-13.16		Check TF coils (voltage etc)	3	21MAY09	26MAY09	26MAY09	2	5		0.00	9,895.20
S51-14.01		Install crane rigging to completed Period assy	1	27MAY09	27MAY09	27MAY09	2	5		0.00	3,298.40
S51-14.02		Remove platforms	1	28MAY09	28MAY09	28MAY09	2	5		0.00	1,649.20
S51-14.03	2	Transfer Period 1 to Station 6 in NCSX tTC.	1	29MAY09	29MAY09	29MAY09	2	5		0.00	3,298.40
Station 5- Final FP Assy -FP#2 (in NCSX TC)											
S52-1.01		cut off short dome	2	12MAR09	13MAR09	13MAR09	1	9		0.00	3,298.40
S52-1.02		Install insulation system around all ports.	0	16MAR09	13MAR09	13MAR09	1	9		0.00	0.00
S52-1.03		Install heat tape and theomocouples on all ports	0	16MAR09	13MAR09	13MAR09	1	9		0.00	0.00
S52-2.01		Install period support fixture	2	16MAR09	17MAR09	17MAR09	1	9		0.00	3,298.40
S52-2.02		Install FPA on support stand.	2	18MAR09	19MAR09	19MAR09	1	9		0.00	3,298.40
S52-2.03		Install external working platforms	4	20MAR09	25MAR09	25MAR09	1	9		0.00	6,596.80
S52-2.04		Install internal VV working platforms	3	26MAR09	30MAR09	30MAR09	1	9		0.00	4,947.60



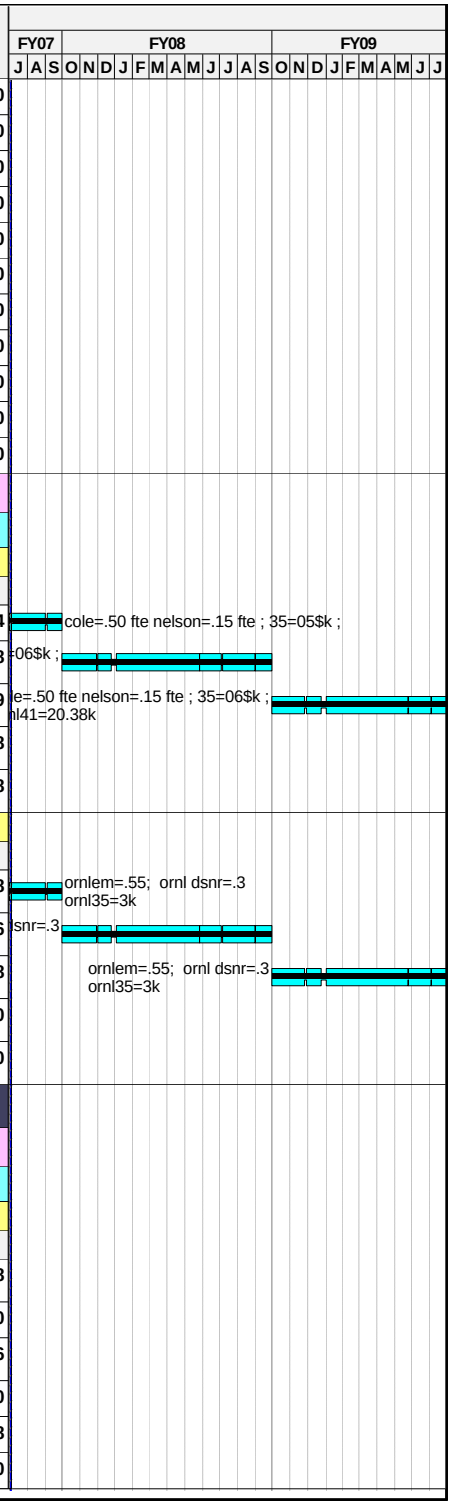
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S52-3.01		Install the domes (left and right side),	2	31MAR09	01APR09	01APR09	1	9		0.00	3,298.40
S52-3.02		Install small dome ports remaining circ ports.	30	02APR09	13MAY09	13MAY09	1	9		0.00	49,476.00
S52-3.03		Leak check each port after it is welded.	30	23APR09	04JUN09	04JUN09	1	9		0.00	49,476.00
S52-4.01		Install boots on ports except for the two port	16	26MAY09	16JUN09	16JUN09	1	9		0.00	26,387.20
S52-5.01		Install MC lead connections on each of the MC's	1	17JUN09	17JUN09	17JUN09	2	9		0.00	0.00
S52-5.02		Install MC coolant lines on each MC	6	18JUN09	25JUN09	25JUN09	2	9		0.00	19,790.40
S52-5.03		Platforms may need to be altered	1	26JUN09	26JUN09	26JUN09	2	9		0.00	4,947.60
S52-6.01		Rotate 2 TF coils over the MC on the right side	1	29JUN09	29JUN09	29JUN09	2	9		0.00	3,298.40
S52-6.02		Attach the temp support at end of Type-C MC	1	30JUN09	30JUN09	30JUN09	2	9		0.00	1,649.20
S52-6.03		Lower leveler pad disengage base of MC right sid	0	01JUL09	30JUN09	30JUN09	2	9		0.00	0.00
S52-6.04		Install TF support brackets	1	01JUL09	01JUL09	01JUL09	2	9		0.00	3,298.40
S52-6.05		Secure First TF assy	1	02JUL09	02JUL09	02JUL09	2	9		0.00	1,649.20
S52-6.06		Install TF support brackets	1	06JUL09	06JUL09	06JUL09	2	9		0.00	3,298.40
S52-6.07		Secure 2nd TF coil	1	07JUL09	07JUL09	07JUL09	2	9		0.00	1,649.20
S52-6.08		Install machine support plates	2	08JUL09	09JUL09	09JUL09	2	9		0.00	4,947.60
S52-6.09		Reinstall leveler pad	0	10JUL09	09JUL09	09JUL09	2	9		0.00	0.00
S52-6.1		Installed one side of the TF support brackets	1	10JUL09	10JUL09	10JUL09	2	9		0.00	1,649.20
S52-7.01		The TF installation on the left side	6	13JUL09	20JUL09	20JUL09	2	9		0.00	21,439.60
S52-8.01		Perform a fit-up check of the four TF coils	3	21JUL09	23JUL09	23JUL09	2	9		0.00	8,246.00
S52-9.01		Tack weld the left and right port 4's.	1	24JUL09	24JUL09	24JUL09	2	9		0.00	3,298.40
S52-9.02		Install boots on both port 4's.	2	27JUL09	28JUL09	28JUL09	2	9		0.00	6,596.80
S52-10.01		Install PF coil support structure	4	29JUL09	03AUG09	03AUG09	2	9		0.00	13,193.60
S52-11.01		Install tMC coolant manifold	2	04AUG09	05AUG09	05AUG09	2	9		0.00	4,947.60
S52-11.02		Connect MC coolant lines to the manifold	10	06AUG09	19AUG09	19AUG09	2	9		0.00	32,984.00
S52-12.01		Install Rogowski coils	3	20AUG09	24AUG09	24AUG09	2	9		0.00	8,246.00
S21-9.01		Install trim coil and supports	3	25AUG09	27AUG09	27AUG09	2	9		0.00	9,895.20
S52-13.01		Obtain set of Period 1 align fiducial positions	2	28AUG09	31AUG09	31AUG09	2	9		0.00	0.00
S52-13.02		align to tooling balls on each MCHP	1	01SEP09	01SEP09	01SEP09	2	9		0.00	0.00
S52-13.03		bring the VV into proper alignment	2	02SEP09	03SEP09	03SEP09	2	9		0.00	6,596.80
S52-13.04		Install or identify three primary fiducials	1	04SEP09	04SEP09	04SEP09	2	9		0.00	3,298.40
S52-13.05		Make a final measurement of all fiducials	2	08SEP09	09SEP09	09SEP09	2	9		0.00	0.00
S52-13.11		Check Assembly (bolts, etc)	3	10SEP09	14SEP09	14SEP09	2	9		0.00	8,246.00
S52-13.12		Check Diagnostics (Loops, thermocouples)	2	15SEP09	16SEP09	16SEP09	2	9		0.00	8,246.00
S52-13.13		Check manifolds (pressure, flow, etc.)	3	17SEP09	21SEP09	21SEP09	2	9		0.00	8,246.00
S52-13.14		Check 6 modcoils (voltage etc)	3	22SEP09	24SEP09	24SEP09	2	9		0.00	9,895.20
S52-13.15		Check trim coils (voltage etc)	2	25SEP09	28SEP09	28SEP09	2	9		0.00	4,947.60
S52-13.16		Check TF coils (voltage etc)	2	29SEP09	30SEP09	30SEP09	2	9		0.00	9,895.20
S52-14.01		Install crane rigging to completed Period assy	1	01OCT09	01OCT09	01OCT09	2	9		0.00	3,410.40
S52-14.02		Remove platforms	1	02OCT09	02OCT09	02OCT09	2	9		0.00	1,705.20



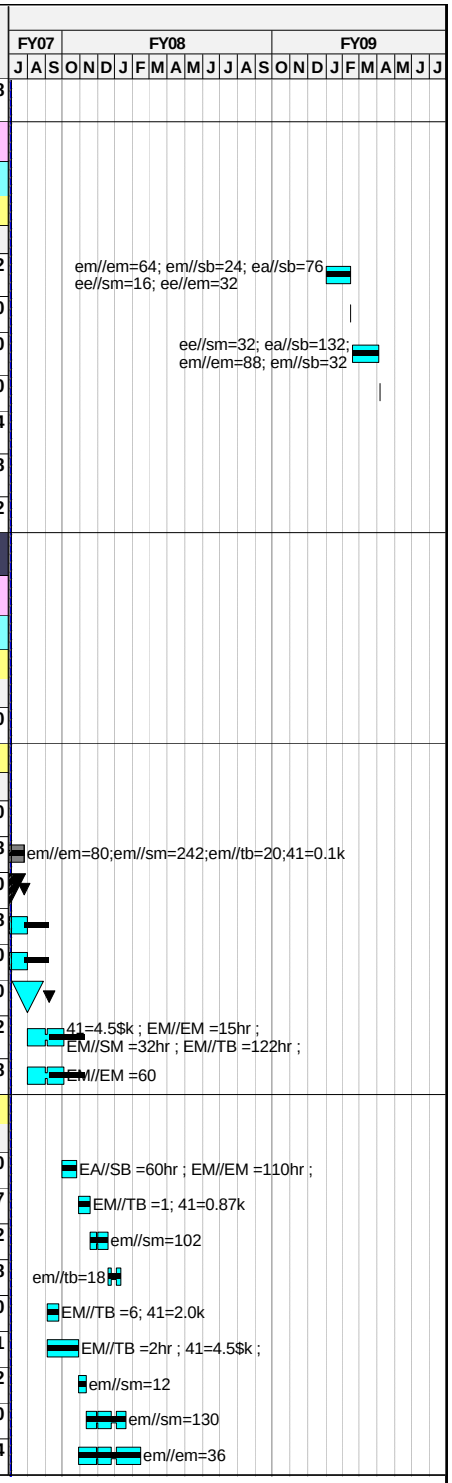
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S52-14.03	2	Transfer Period 2 to Station 6 in NCSX tTC.	1	05OCT09	05OCT09	05OCT09	2	9		0.00	3,410.40
Station 5- Final FP Assy -FP#3 (in NCSX TC)											
S53-1.01		cut off short dome	1	09JUN09	09JUN09	09JUN09	2	0		0.00	3,298.40
S53-1.02		Install insulation system around all ports.	0	10JUN09	09JUN09	09JUN09	2	0		0.00	0.00
S53-1.03		Install heat tape and theomocouples on all ports	0	10JUN09	09JUN09	09JUN09	2	0		0.00	0.00
S53-2.01		Install period support fixture	1	10JUN09	10JUN09	10JUN09	2	0		0.00	3,298.40
S53-2.02		Install FPA on support stand.	1	11JUN09	11JUN09	11JUN09	2	0		0.00	3,298.40
S53-2.03		Install external working platforms	2	12JUN09	15JUN09	15JUN09	2	0		0.00	6,596.80
S53-2.04		Install internal VV working platforms	2	16JUN09	17JUN09	17JUN09	2	0		0.00	4,947.60
S53-3.01		Install the domes (left and right side),	1	18JUN09	18JUN09	18JUN09	2	0		0.00	3,298.40
S53-3.02		Install small dome ports remaining circ ports.	15	19JUN09	10JUL09	10JUL09	2	0		0.00	49,476.00
S53-3.03		Leak check each port after it is welded.	15	30JUN09	21JUL09	21JUL09	2	0		0.00	49,476.00
S53-4.01		Install boots on ports except for the two port	8	16JUL09	27JUL09	27JUL09	2	0		0.00	26,387.20
S53-5.01		Install MC lead connections on each of the MC's	1	28JUL09	28JUL09	28JUL09	2	0		0.00	0.00
S53-5.02		Install MC coolant lines on each MC	6	29JUL09	05AUG09	05AUG09	2	0		0.00	19,790.40
S53-5.03		Platforms may need to be altered	2	06AUG09	07AUG09	07AUG09	2	0		0.00	4,947.60
S53-6.01		Rotate 2 TF coils over the MC on the right side	1	10AUG09	10AUG09	10AUG09	2	0		0.00	3,298.40
S53-6.02		Attach the temp support at end of Type-C MC	1	11AUG09	11AUG09	11AUG09	2	0		0.00	1,649.20
S53-6.03		Lower leveler pad disengage base of MC right sid	0	12AUG09	11AUG09	11AUG09	2	0		0.00	0.00
S53-6.04		Install TF support brackets	1	12AUG09	12AUG09	12AUG09	2	0		0.00	3,298.40
S53-6.05		Secure First TF assy	1	13AUG09	13AUG09	13AUG09	2	0		0.00	1,649.20
S53-6.06		Install TF support brackets	1	14AUG09	14AUG09	14AUG09	2	0		0.00	3,298.40
S53-6.07		Secure 2nd TF coil	1	17AUG09	17AUG09	17AUG09	2	0		0.00	1,649.20
S53-6.08		Install machine support plates	1	18AUG09	18AUG09	18AUG09	2	0		0.00	4,947.60
S53-6.09		Reinstall leveler pad	0	19AUG09	18AUG09	18AUG09	2	0		0.00	0.00
S53-6.1		Installed one side of the TF support brackets	1	19AUG09	19AUG09	19AUG09	2	0		0.00	1,649.20
S53-7.01		The TF installation on the left side	6	20AUG09	27AUG09	27AUG09	2	0		0.00	21,439.60
S53-8.01		Perform a fit-up check of the four TF coils	3	28AUG09	01SEP09	01SEP09	2	0		0.00	8,246.00
S53-9.01		Tack weld the left and right port 4's.	1	02SEP09	02SEP09	02SEP09	2	0		0.00	3,298.40
S53-9.02		Install boots on both port 4's.	2	03SEP09	04SEP09	04SEP09	2	0		0.00	6,596.80
S53-10.01		Install PF coil support structure	4	08SEP09	11SEP09	11SEP09	2	0		0.00	13,193.60
S53-11.01		Install tMC coolant manifold	2	14SEP09	15SEP09	15SEP09	2	0		0.00	4,947.60
S53-11.02		Connect MC coolant lines to the manifold	10	16SEP09	29SEP09	29SEP09	2	0		0.00	32,984.00
S53-12.01		Install Rogowski coils	3	30SEP09	02OCT09	02OCT09	2	0		0.00	8,432.67
S22-9.01		Install trim coil	3	05OCT09	07OCT09	07OCT09	2	0		0.00	10,231.20
S53-13.01		Obtain set of Period 1 align fiducial positions	2	08OCT09	09OCT09	09OCT09	2	0		0.00	0.00
S53-13.02		align to tooling balls on each MCHP	1	12OCT09	12OCT09	12OCT09	2	0		0.00	0.00
S53-13.03		bring the VV into proper alignment	2	13OCT09	14OCT09	14OCT09	2	0		0.00	6,820.80
S53-13.04		Install or identify three primary fiducials	1	15OCT09	15OCT09	15OCT09	2	0		0.00	3,410.40



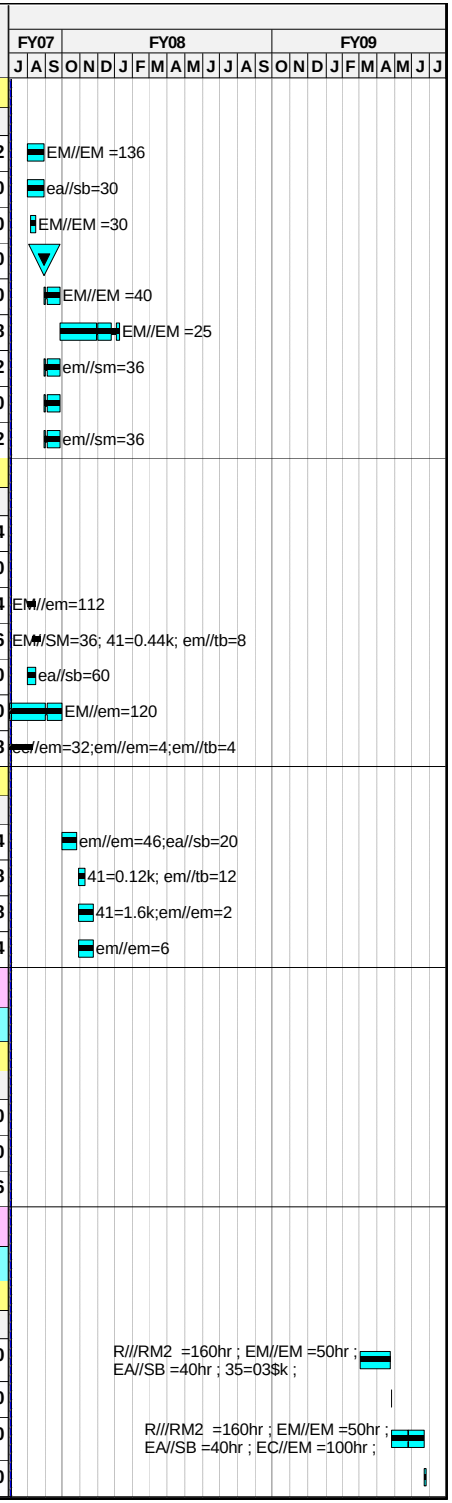
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
S53-13.05		Make a final measurement of all fiducials	3	16OCT09	20OCT09	20OCT09	2	0		0.00	0.00
S53-13.11		Check Assembly (bolts, etc)	2	21OCT09	22OCT09	22OCT09	2	0		0.00	8,526.00
S53-13.12		Check Diagnostics (Loops, thermocouples)	3	23OCT09	27OCT09	27OCT09	2	0		0.00	8,526.00
S53-13.13		Check manifolds (pressure, flow, etc.)	2	28OCT09	29OCT09	29OCT09	2	0		0.00	8,526.00
S53-13.14		Check 6 modcoils (voltage etc)	3	30OCT09	03NOV09	03NOV09	2	0		0.00	10,231.20
S53-13.15		Check trim coils (voltage etc)	2	04NOV09	05NOV09	05NOV09	2	0		0.00	5,115.60
S53-13.16		Check TF coils (voltage etc)	3	06NOV09	10NOV09	10NOV09	2	0		0.00	10,231.20
S53-14.01		Install crane rigging to completed Period assy	1	11NOV09	11NOV09	11NOV09	2	0		0.00	3,410.40
S53-14.02		Remove platforms	1	12NOV09	12NOV09	12NOV09	2	0		0.00	1,705.20
S53-14.03		Transfer Period 3 to Station 6 in NCSX tTC.	1	13NOV09	13NOV09	13NOV09	2	0		0.00	3,410.40
R1810-5333		Last field period assembled	0		13NOV09	13NOV09	2	0		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*	01MAY07A	28SEP07	28SEP07	1	1,249	LOE	31,416.46	77,380.44
1901-08		WBS 191 FY08 LOE	249*	01OCT07*	29SEP08	29SEP08	1	1,000	LOE	0.00	208,453.58
1901-09		WBS 191 FY09 LOE	247*	01OCT08*	28SEP09	28SEP09	1	752	LOE	0.00	221,094.09
1901-10		WBS 191 FY10 SA LOE	248*	01OCT09*	30SEP10	30SEP10	1	502	LOE	0.00	229,029.48
1901-11		WBS 191 FY10 LOE	79*	01OCT10*	31JAN11	31JAN11	1	423	LOE	0.00	95,379.48
192 - Stellarator Core Integration & Analysis											
1902-07		WBS 192 FY07	106*	01MAY07A	28SEP07	28SEP07	1	1,249	LOE	34,177.36	84,180.68
1902-08		WBS 192 FY08	249*	01OCT07*	29SEP08	29SEP08	1	1,000	LOE	0.00	199,924.56
1902-09		WBS 192 FY09	247*	01OCT08*	28SEP09	28SEP09	1	752	LOE	0.00	210,949.08
1902-10		WBS 192 FY10	248*	01OCT09*	30SEP10	30SEP10	1	502	LOE	0.00	219,015.60
1902-11		WBS 192 FY10	79*	01OCT10*	31JAN11	31JAN11	1	423	LOE	0.00	74,333.10
2 - Plasma Heating, Fueling & Vac Systems											
21 - Fueling Systems											
Job: 2101 - Fueling Systems-BLANCHARD											
211-101		Preliminary Design	20	01SEP09*	29SEP09	29SEP09		55		0.00	12,552.88
211-105		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		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



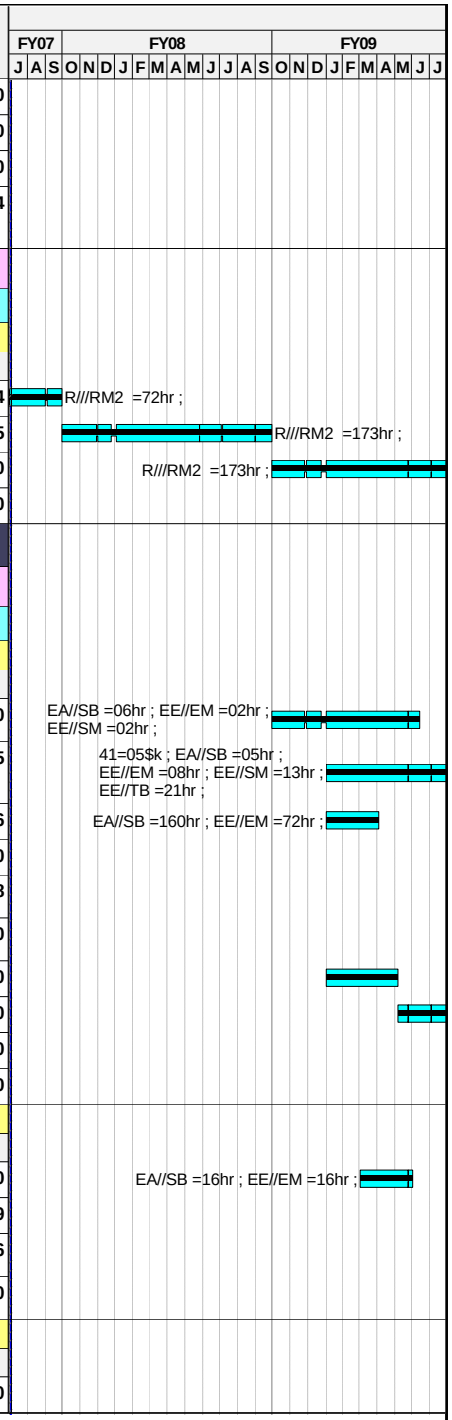
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
211-125		Fabricate/Install/Test	40	28APR10	23JUN10	23JUN10		2		0.00	24,898.28
22 - Torus Vacuum Pumping Systems											
Job: 2201 - Vacuum Pumping Systems-BLANCHARD											
220-101		Preliminary Design	30	02JAN09*	12FEB09	12FEB09		190		0.00	30,783.52
220-105		PDR	1	13FEB09	13FEB09	13FEB09		190		0.00	0.00
220-109		Final Design	35	16FEB09	03APR09	03APR09		190		0.00	39,214.80
220-113		FDR	1	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
3 - Diagnostics											
31 - Magnetic Diagnostics											
Job: 3101 - Magnetic Diagnostics-STRATTON											
Modular Coil C-wound Loops											
3101-229		Fabricate(12) MC Protective boxes (completed	43	01MAY07A	01MAY07A	01MAY07A				0.00	0.00
Rogowski Coils											
3101-316		CONCEP DESIGN ROWGOWSKI COIL	30	01MAY07A	12JUN07A	12JUN07			100	9,049.20	9,049.20
3101-317		PRELIM DESIGN ROWGOWSKI COIL incl prototype	30	13JUN07A	25JUL07A	25JUL07			100	16,670.28	16,670.28
3101-318		PDR - ROWGOWSKI COIL	0		29JUN07A	25JUL07*			100	0.00	0.00
3101-325		FINAL DESIGN ROWGOSKI COIL	21*	02JUL07*	31JUL07	06SEP07		354		0.00	21,435.88
3101-340		subcontract winding 3 mandrels	21*	02JUL07*	31JUL07	06SEP07		354		0.00	19,140.00
3101-326	3	FDR - ROWGOSKI COIL	0		31JUL07	06SEP07		354		0.00	0.00
3101-329		FAB ROWGOWSKI COILS incl clamps	45	01AUG07	03OCT07	08NOV07		354		0.00	21,215.42
3101-330		Title III	45	01AUG07	03OCT07	08NOV07		354	LOE	0.00	9,089.08
TF and PF Co-wound Loops											
3101-425		Design Protective boxes for PF	20	01OCT07*	26OCT07	26OCT07		242		0.00	24,881.50
3101-426		Purchase SS Sheet	15	29OCT07*	16NOV07	16NOV07		242		0.00	1,218.07
3101-452		Form Protective boxes	20	19NOV07	18DEC07	18DEC07		242		0.00	13,475.22
3101-454		Weld end plates of PF protective boxes	10	19DEC07	10JAN08	10JAN08		242		0.00	1,441.98
3101-427		Purchase Heat Shrink tubing	15	04SEP07*	24SEP07	24SEP07		286		0.00	3,002.90
3101-428		Purchase aad'l CoAxial cable	40	04SEP07*	29OCT07	29OCT07		261		0.00	5,973.11
3101-450		Prototype PF Loops	10	30OCT07*	12NOV07	12NOV07		261		0.00	1,585.32
3101-458		FabTF,PF & solenoid co-wound loops	40	13NOV07	18JAN08	18JAN08		261		0.00	17,174.30
3101-456		Title III	70	29OCT07	14FEB08	14FEB08		242	LOE	0.00	5,788.44



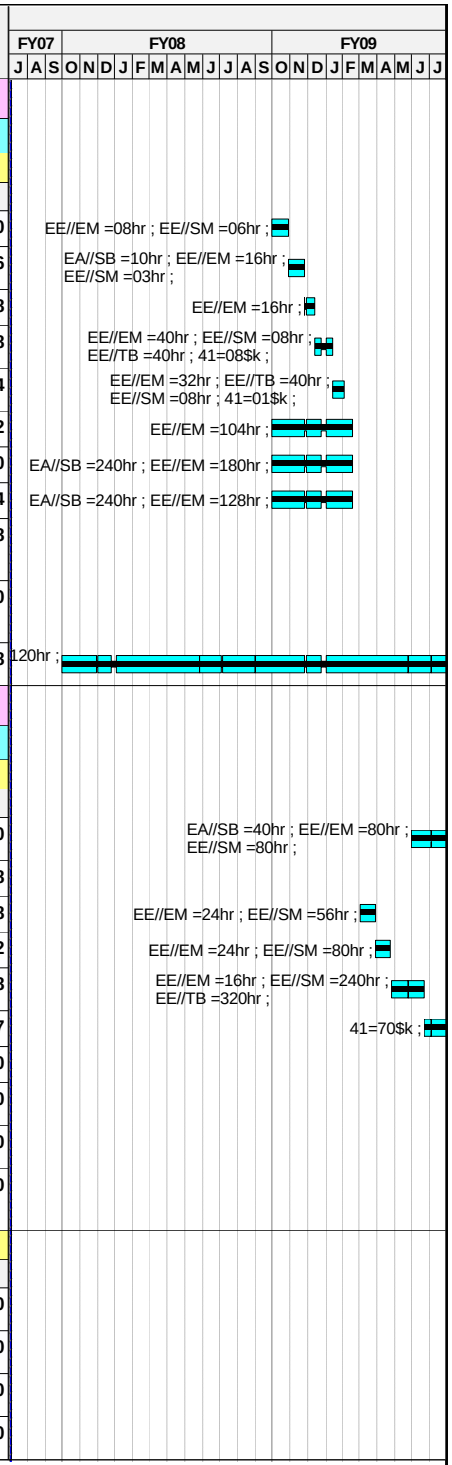
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
T/C and Heater Tape Leads											
1204-140		Design T/C and Heater Tape Leads	20	01AUG07*	28AUG07	28AUG07		112		0.00	20,511.52
1204-140.2		Design Drafting T/C and Heater Tape Leads	20	01AUG07*	28AUG07	28AUG07		122		0.00	3,373.80
1204-140.1		Peer Review T/C and Heater Tape Leads	5	08AUG07	14AUG07	14AUG07		122		0.00	4,524.60
1204-141		Drawings Signed T/C and Heater Tape Leads	0		28AUG07	28AUG07		112		0.00	0.00
1204-146		Procurement support T/C and Heater Tape Leads	20	29AUG07	26SEP07	26SEP07		112		0.00	6,032.80
1204-147		Field/Fab support (title III) T/C&Heater Tape	65	27SEP07	08JAN08	08JAN08		112		0.00	4,012.08
1204-148		Machine 12 2.75 cf blanks	20	29AUG07	26SEP07	26SEP07		177		0.00	4,461.12
1204-150		Rubber seal	20	29AUG07	26SEP07	26SEP07		177		0.00	0.00
1204-151		Machine 6 commercial aluminum boxes	20	29AUG07	26SEP07	26SEP07		177		0.00	4,461.12
Flux loop junction boxes and spacer templates											
1204-160		Design Protective Boxes	10	01MAY07A	14MAY07A	14MAY07			100	3,318.04	3,318.04
1204-165		Issue req,Bid & Award- Flux Loop Junction Boxes	25	15MAY07A	19JUN07A	19JUN07			100	0.00	0.00
1204-170		Autocad dwgs of field runs/tag#/ports assignmt	10	01JUN07A	29JUN07A	14AUG07			100	16,891.84	16,891.84
1204-161		Fab Protective Boxes	10	01JUN07A	29JUN07A	22AUG07			100	5,623.76	5,623.76
1204-171		Prep Dwgs of spacer loops	10	01AUG07*	14AUG07	14AUG07		593		0.00	6,747.60
1204-172		Title III	96*	15MAY07A	28SEP07	28SEP07		1,249	LOE	6,225.85	18,098.40
1204-173		Purchase material for boxes&spacers (in job 1204	35	20JUN07A	29JUN07A	08AUG07			100	6,111.88	6,111.88
Voltage Loops & Protective Boxes											
3101-800		Design Routing and Boxes	20	01OCT07*	26OCT07	26OCT07		239		0.00	9,794.54
3101-802		Fab 3 protective Boxes	10	29OCT07	09NOV07	09NOV07		249		0.00	1,118.28
3101-804		Purchase 900ft cable	20	29OCT07*	23NOV07	23NOV07		239		0.00	2,414.38
3101-806		Title III	20	29OCT07	23NOV07	23NOV07		239	LOE	0.00	964.74
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											
380-010		E-beam mapping- Prelim Design	40	02MAR09*	24APR09	24APR09		114		0.00	44,761.80
380-015		E-beam mapping-PDR	1	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	24JUN09	24JUN09	24JUN09		114		0.00	0.00



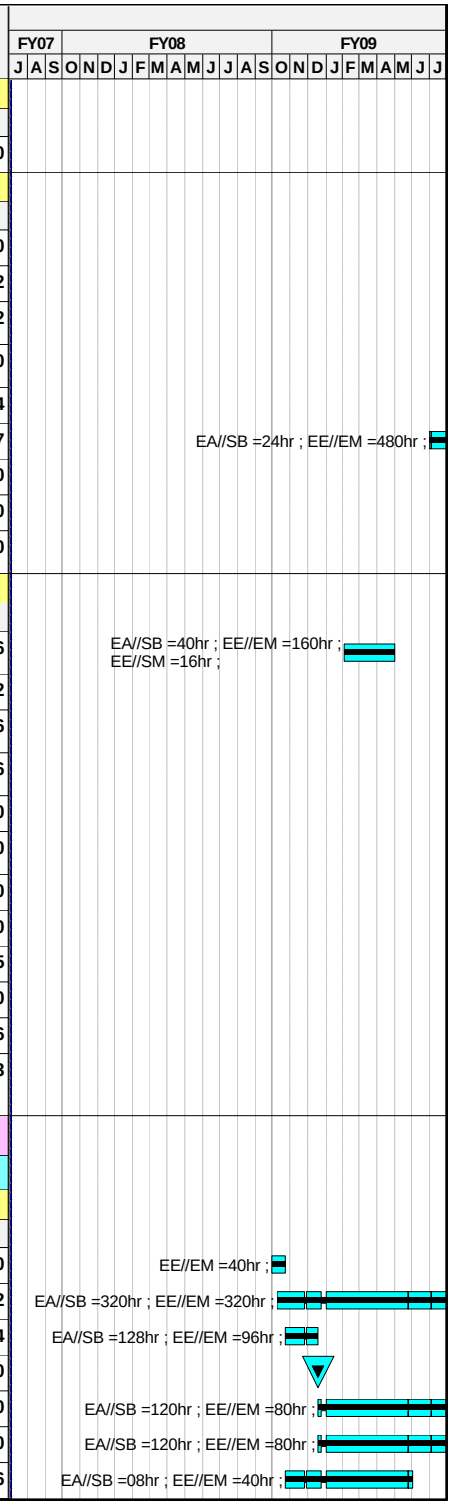
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
380-115		E-beam mapping-Procure Rack	65	01OCT09*	13JAN10	13JAN10		46		0.00	47,369.60
380-120		E-beam mapping-Procure 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	2	E-beam mapping- Assemble	65	14JAN10*	14APR10	14APR10		46		0.00	94,239.24
39 - Diagnostics Integration											
Job: 3901 - Diagnostics sys Integration-STRATTON											
390-03		LOE Support FY07	106*	01MAY07A	28SEP07	28SEP07		1,249	LOE	4,611.93	11,359.44
390-04		LOE Support FY08	249*	01OCT07*	29SEP08	29SEP08		1,000	LOE	0.00	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
4 - Electrical Power Systems											
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				-104,100.00	-104,100.00



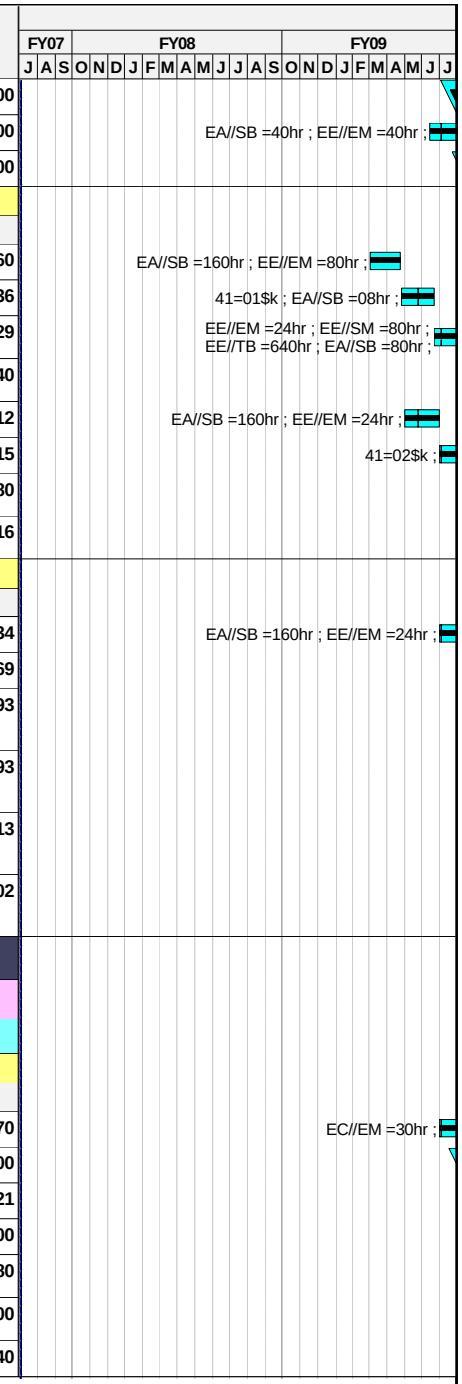
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
43 - DC Systems											
Job: 4301 - DC Systems-RAMAKRISHNAN											
431 - C-Site DC Systems											
431-200		Condition/spare parts inventory	20	01OCT08*	28OCT08	28OCT08		387		0.00	2,308.00
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	01OCT07*	02OCT09	02OCT09		216	LOE	0.00	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



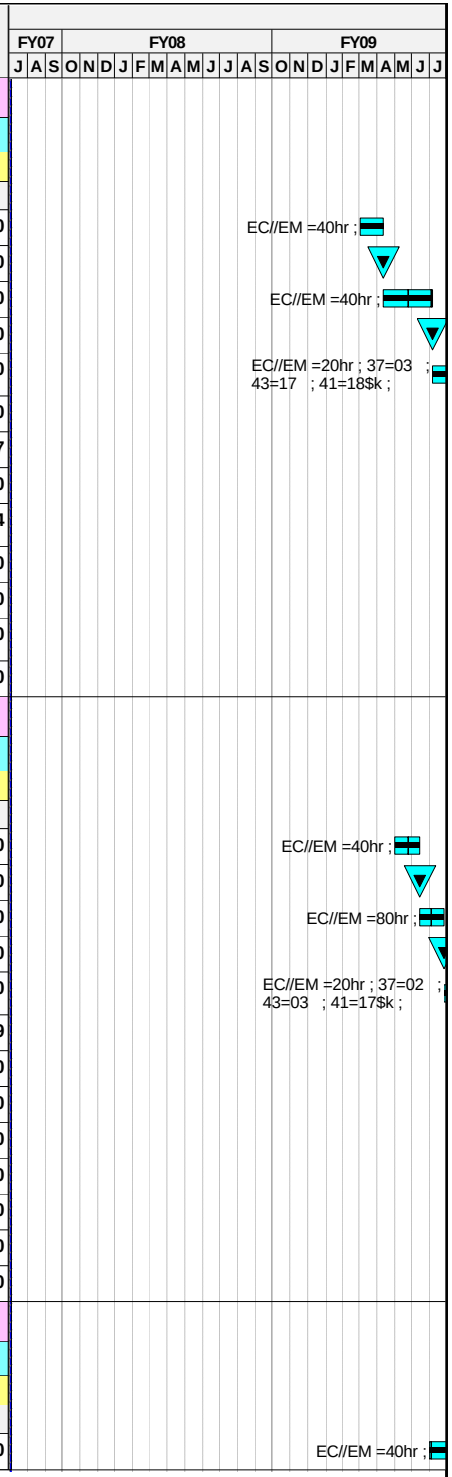
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
443 - Real Time Control Systems											
443-1-2		Develop Control Algorithms-Dsn	65	01OCT09*	13JAN10	13JAN10		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
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											
445-1-2		Ground Fault Protection-Dsn	65	02FEB09*	01MAY09	01MAY09		66		0.00	35,854.56
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
445-2-105		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
445-2-115		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	PDR Power system -Dsn	0		18DEC08	18DEC08		146		0.00	0.00
451-6-2	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



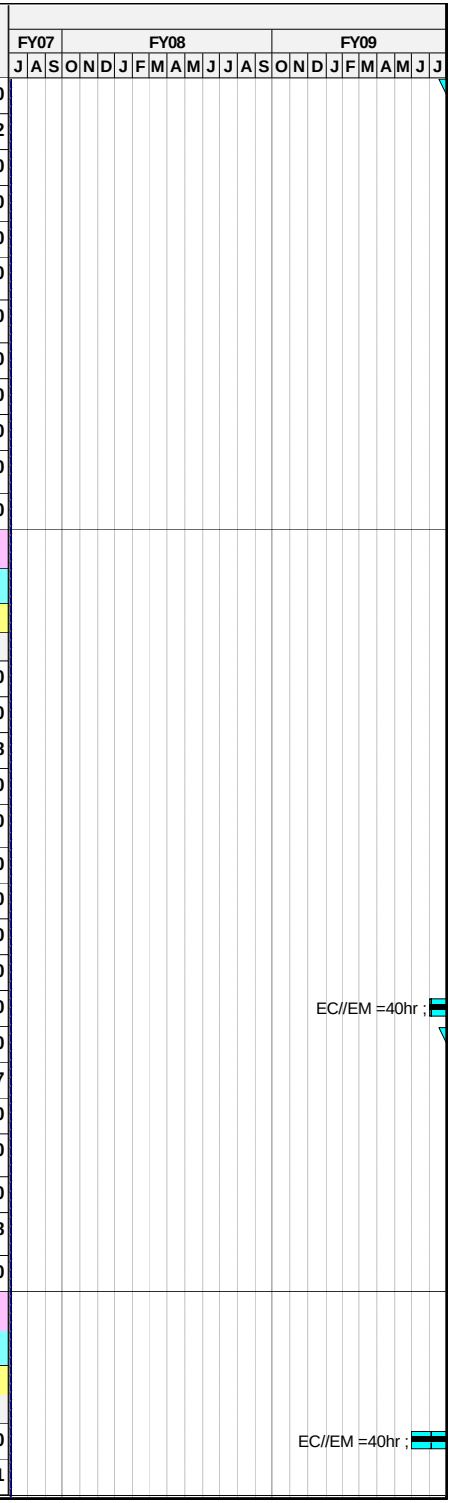
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
451-202.2		FDR C-Site	0		28JUL09	28JUL09		146		0.00	0.00
451-4-2		Final Dsn AC auxiliaries & grounding-Dsn	45	15JUN09	17AUG09	17AUG09		37		0.00	12,080.00
451-402.1		FDR AC auxiliaries & grounding-Dsn	0		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
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	21SEP10*	18OCT10	18OCT10		0		0.00	19,276.93
453-1-5		PF Coil Test	20	21SEP10*	18OCT10	18OCT10		0		0.00	19,276.93
453-1-6		Trim Coil Coil Test	20	21SEP10*	18OCT10	18OCT10		0		0.00	18,550.13
453-1-8		Testing PTPs, ISTPs	100	27MAY10*	18OCT10	18OCT10		0		0.00	159,346.02
5 - Central I&C Systems											
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		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		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



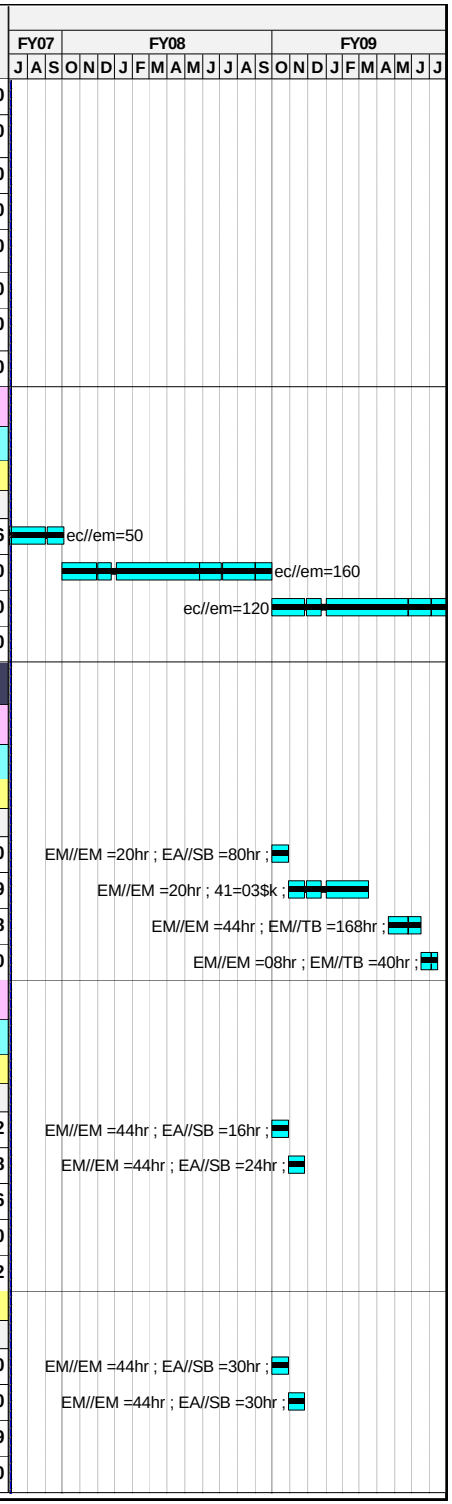
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
52 - Central Instrumentation & Control											
Job: 5201 - I&C Systems-SICHTA											
R52-10		Preliminary Design	30	02MAR09*	10APR09	10APR09		49		0.00	6,203.60
R52-11		PDR	0		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		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
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		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		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



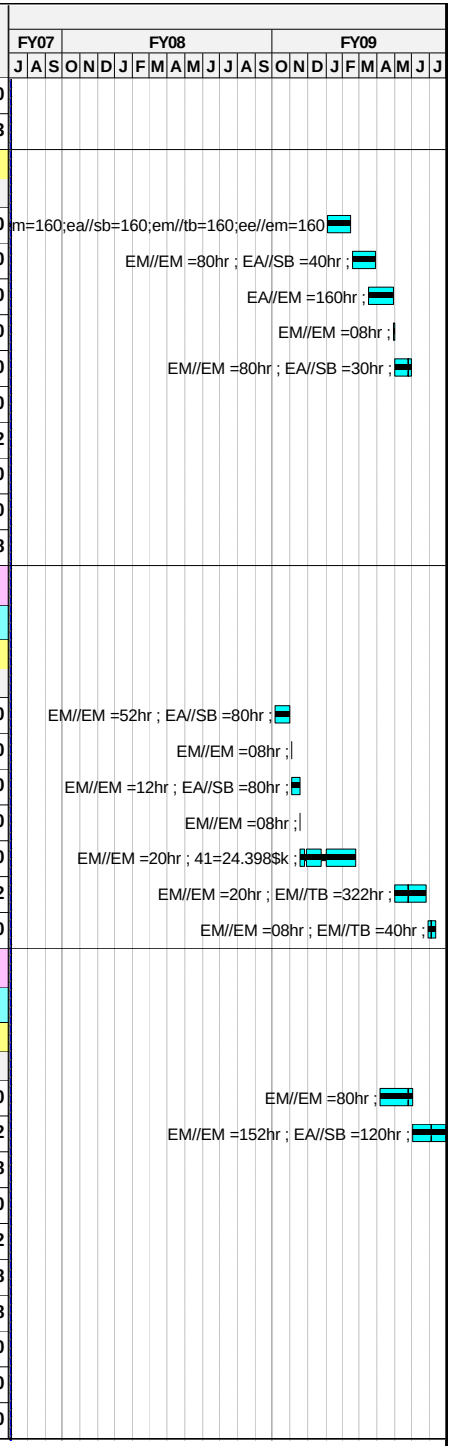
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
R54-11		PDR	0		12AUG09	12AUG09		43		0.00	0.00
R54-20		Final SystemDesign	40	13AUG09	08OCT09	08OCT09		43		0.00	6,235.22
R54-21		FDR	0		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
R55-11		PDR	0		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		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		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		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



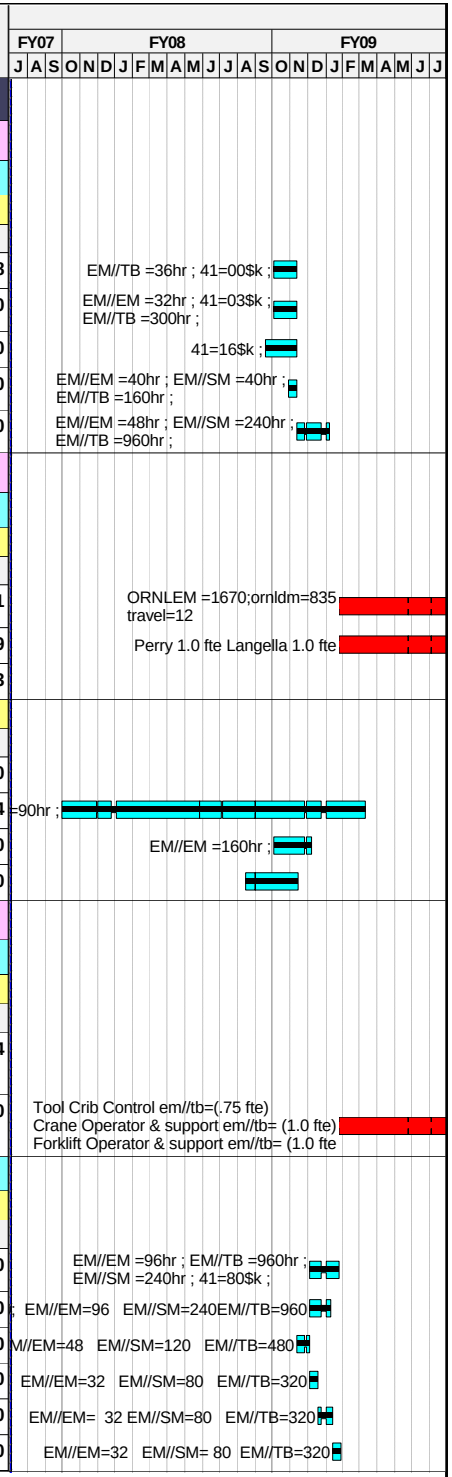
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
R56-21		PDR	0		06OCT09	06OCT09		39		0.00	0.00
R56-30		PLC Training	60	07OCT09	12JAN10	12JAN10		159		0.00	15,374.80
R56-35		Final Design	30	07OCT09	17NOV09	17NOV09		39		0.00	22,450.40
R56-36		FDR	0		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	2	Test	30	01JUL10	12AUG10	12AUG10		39		0.00	15,947.20
58 - Central I&C management and Integration											
Job: 5801 - Central I&C Integr& Oversight-SICHTA											
R58-10		WBS58 -FY07 Management & Integration LOE	107*	01MAY07A	01OCT07	01OCT07		1,248	LOE	2,829.94	7,039.66
R58-20		WBS58 -FY08 Management & Integration LOE	250	01OCT07*	30SEP08	30SEP08		999	LOE	0.00	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
6 - Facility Systems											
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-GETTELFINGER											
621 - LN2-LHe Supply System											
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											
622-101		LN2 Coil Cooling Supply-Prelim Design	20	01OCT08*	28OCT08	28OCT08		221		0.00	10,984.60
622-121		LN2 Coil Cooling Supply-Final Design	20	29OCT08	25NOV08	25NOV08		222		0.00	10,984.60
622-131		LN2 Coil Cooling Supply-Procure Hardware	65	12AUG09*	11NOV09	11NOV09		144		0.00	22,398.49
622-141		LN2 Coil Cooling Supply-Assemble Skid	25	12NOV09	18DEC09	18DEC09		144		0.00	18,158.80



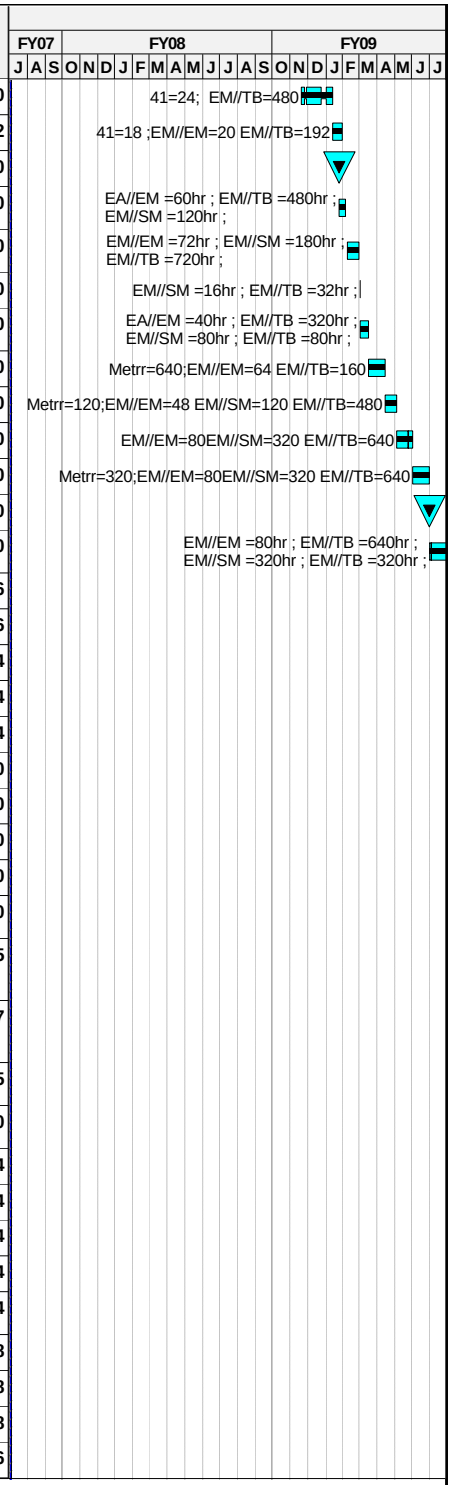
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
622-151		LN2 Coil Cooling Supply-Relocate skid to NCSX TC	25	21DEC09	03FEB10	03FEB10		144		0.00	18,158.80
622-161		LN2 Coil Cooling Supply-Title III	115	12AUG09	03FEB10	03FEB10		144	LOE	0.00	7,454.33
623 - GN2 Cryostat Cooling System											
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	19MAR09*	29APR09	29APR09		99		0.00	30,593.60
623-141		GN2 Cryostat Cooling Sys-WBS 62/171 PDR	1	30APR09	30APR09	30APR09		99		0.00	1,324.00
623-161		GN2 Cryostat Cooling Sys-Final Design	20	01MAY09	29MAY09	29MAY09		99		0.00	16,942.60
623-181		GN2 Cryostat Cooling Sys-WBS 62/171 FDR	1	11AUG09	11AUG09	11AUG09		49		0.00	1,324.00
623-201		GN2 Cryostat Cooling Sys-Procure Hardware	88	12AUG09	16DEC09	16DEC09		49		0.00	144,346.32
623-221		GN2 Cryostat Cooling Sys-Assemble & Install	122	17DEC09	17JUN10	17JUN10		49		0.00	156,307.20
623-261	2	WBS 62/171 Cryo systems PTP	10	18JUN10	01JUL10	01JUL10		49		0.00	13,666.00
623-262		GN2 Cryostat Cooling Supply-Title III	258	12AUG09	25AUG10	25AUG10		527	LOE	0.00	8,177.58
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	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	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	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	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



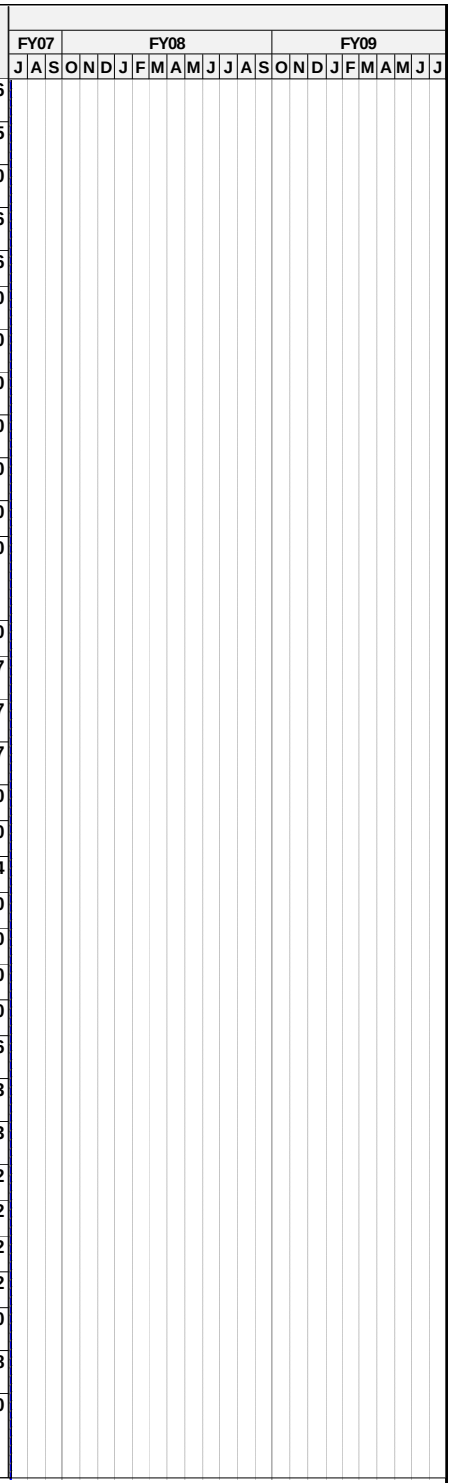
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
7 - Test Cell Preparation and Machine Assy											
73 - Platform Design & Fabrication											
Job: 7301 - Platform Design & Fab-PERRY											
711A.040		Platform nut plates	30	02OCT08	12NOV08	12NOV08		16		2,553.28	2,976.68
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	482*	26JAN09	03JAN11	03JAN11		0	LOE	0.00	381,381.71
714.030		LOE Start of assy through thru completion	482*	26JAN09	03JAN11	03JAN11	LOE	0	LOE	0.00	1,024,421.59
714.031		Additional supervision for 2nd shift	217*	05MAR10	03JAN11	03JAN11	2	0	LOE	0.00	260,116.73
7401ACPWR		Prior ac pwr work reclassified as gpp	356	01MAY07A	31MAY07A	31MAY07A			LOE	-308,300.00	-308,300.00
714.020		LOE Prior to assy starting	356	01OCT07*	10MAR09	10MAR09		926	LOE	0.00	32,389.94
714.025		Update Final Assembly Plan	45	03OCT08*	08DEC08	08DEC08		30		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	217*	05MAR10	03JAN11	03JAN11	2	0	LOE	0.00	445,558.64
7501-05		Construction Support Crew during machine assy	504*	26JAN09	03JAN11	03JAN11		0	LOE	0.00	960,961.90
Job: 7503 - Machine Assembly (station 6)-PERRY											
7501-10		Fabricate/Assemble assembly structure	30	04DEC08	23JAN09	23JAN09	1	13		0.00	239,444.80
7501-10.1		Fab struct to go between assy sleds&FPA's	20	04DEC08	09JAN09	09JAN09	1	23		0.00	239,444.80
7501-10.2		Assemble 3 FPA support stands	15	12NOV08*	04DEC08	04DEC08	1	12		0.00	63,842.40
7501-10.3		Assemble 3 VV spool piece support stands	10	05DEC08	18DEC08	18DEC08	1	12		0.00	42,561.60
7501-10.4	2	Assemble machine base structure	10	19DEC08	12JAN09	12JAN09	1	12		0.00	42,561.60
7501-10.5		Assemble 3 FPA installation carts	10	13JAN09	26JAN09	26JAN09	1	12		0.00	42,561.60



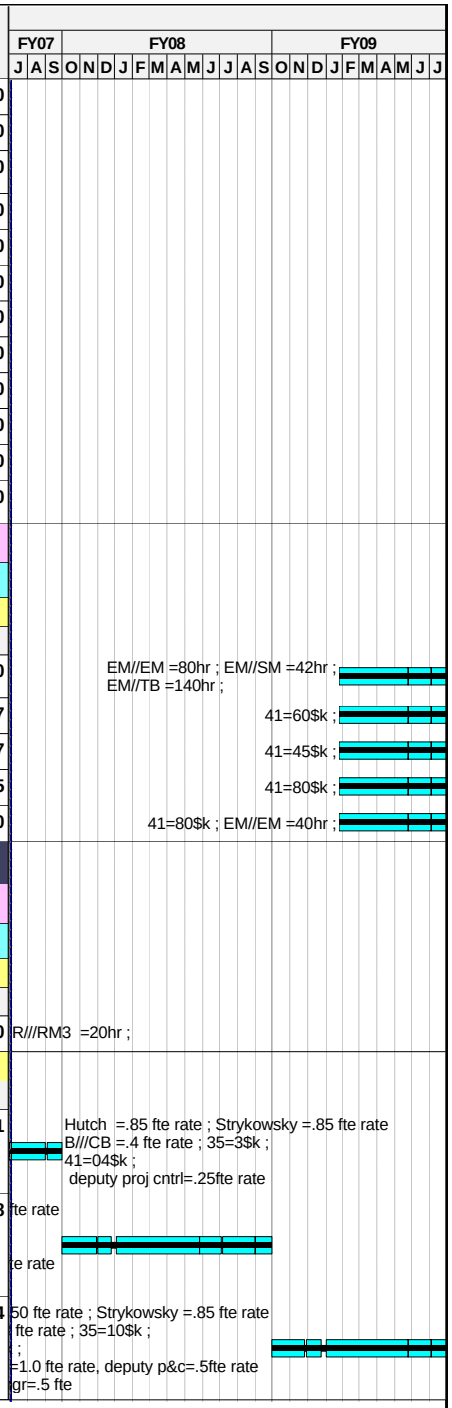
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
7501-10.6		Fab 3 laser support poles	30	20NOV08*	13JAN09	13JAN09	1	70		0.00	73,108.80
7501-10.7		Fab 3 concrete blocks for testing assy struct	12	14JAN09	29JAN09	29JAN09	1	70		0.00	44,288.32
7503-010		Begin Assembly Activities	0	26JAN09*			1	3		0.00	0.00
7503-020		Install Permanent support base and columns	10	26JAN09	06FEB09	06FEB09	1	3		0.00	67,371.00
7503-015		Install Temp Assembly Structure	15	09FEB09	27FEB09	27FEB09	1	3		0.00	95,763.60
7503-060		Install Lower PF 4,5&6 into prelim position	1	02MAR09	02MAR09	02MAR09	1	3		0.00	4,814.40
7503-070		Install 3 Spool Pieces on fixt & test movement	10	03MAR09	16MAR09	16MAR09	1	3		0.00	51,510.80
7501-10.9		Install test cell metrology site monuments & chk	20	17MAR09	13APR09	13APR09	1	3		0.00	85,123.20
7501-10.10		Test TC floor deflections with concrete block	15	14APR09	04MAY09	04MAY09	1	3		0.00	73,737.60
7501-10.8		Exercise assy struc with concrete blocks & metro	20	05MAY09	02JUN09	02JUN09	2	3		0.00	109,528.00
7503-080A		FPA-1 Installation and assembly test	20	03JUN09	30JUN09	30JUN09	1	3		0.00	135,915.20
7503-080		FPA-1 Installed on sleds	0		30JUN09	30JUN09	1	3		0.00	0.00
7501-11		Exercise assy struc w/FPA-1 before start of assy	40	01JUL09	26AUG09	26AUG09	1	3		0.00	135,915.20
7503-415.7		Measure vsl gaps to determ spool piece dimension	18	27AUG09	22SEP09	22SEP09	1	3		0.00	78,816.96
7503-415.0		Spool piece installation test	20	23SEP09	20OCT09	20OCT09	1	3		0.00	139,146.96
7503-416.1		Machine Flange A & B of Spool Piece 1	30	21OCT09	03DEC09	03DEC09	1	3		0.00	44,329.04
7503-416.2		Machine Flange A & B of Spool Piece 2	30	04DEC09	26JAN10	26JAN10	1	3		0.00	44,329.04
7503-416.3		Machine Flange A & B of Spool Piece 3	30	27JAN10	09MAR10	09MAR10	1	3		0.00	44,329.04
7503-110A		FPA-2 Installation and assembly test	20	06OCT09	02NOV09	02NOV09	1	9		0.00	140,532.00
7503-110		FPA-2 Installed on sleds	0		02NOV09	02NOV09	1	9		0.00	0.00
7503-150A		FPA-3 Installation and assembly test	20	16NOV09	15DEC09	15DEC09	1	0		0.00	140,532.00
7503-150	2	FPA-3 Installed on sleds	0		15DEC09	15DEC09	1	0		0.00	0.00
7503-120		Test movement of FPA's incl position checks.	5	16DEC09	22DEC09	22DEC09	1	0		0.00	26,630.20
7503-400		Install inboard and outboard shims	6	04JAN10	11JAN10	11JAN10	1	0		0.00	95,147.05
7503-402		Move all FPA's together, chk fitup,tack shims	6	12JAN10	19JAN10	19JAN10	1	0		0.00	46,323.37
7503-404		Weld inboard shims on mating flanges	6	20JAN10	27JAN10	27JAN10	1	0		0.00	43,595.05
7503-406		Install TF coils at ends of each FPA	6	28JAN10	04FEB10	04FEB10	1	0		0.00	27,211.20
7503-410		Install spacer supports and spacers	2	05FEB10	08FEB10	08FEB10	1	0		0.00	7,706.24
7503-412	2	Move FPA's & spacers together/chk fitup	6	09FEB10	16FEB10	16FEB10	1	0		0.00	25,847.04
7503-414		Remove Spacers & Machine spacers to fit	4	17FEB10	22FEB10	22FEB10	1	0		0.00	5,456.64
7503-415		Re-install spacers	2	23FEB10	24FEB10	24FEB10	1	0		0.00	7,706.24
7503-160		Position all FPA's / Spool Pieces @ MC Interface	6	25FEB10	04MAR10	04MAR10	1	0		0.00	31,956.24
7503-090		Install local Platforms around FPA-1	2	05MAR10	08MAR10	08MAR10	2	0		0.00	15,412.48
7503-130		Install local Platforms around FPA-2	2	09MAR10	10MAR10	10MAR10	2	0		0.00	15,412.48
7503-190		Install local Platforms around FPA-3	2	11MAR10	12MAR10	12MAR10	2	0		0.00	15,412.48
7503-415.5		MC Interface:meas holes/mark bushings f/drilling	3	05MAR10	09MAR10	09MAR10	1	0		0.00	11,559.36



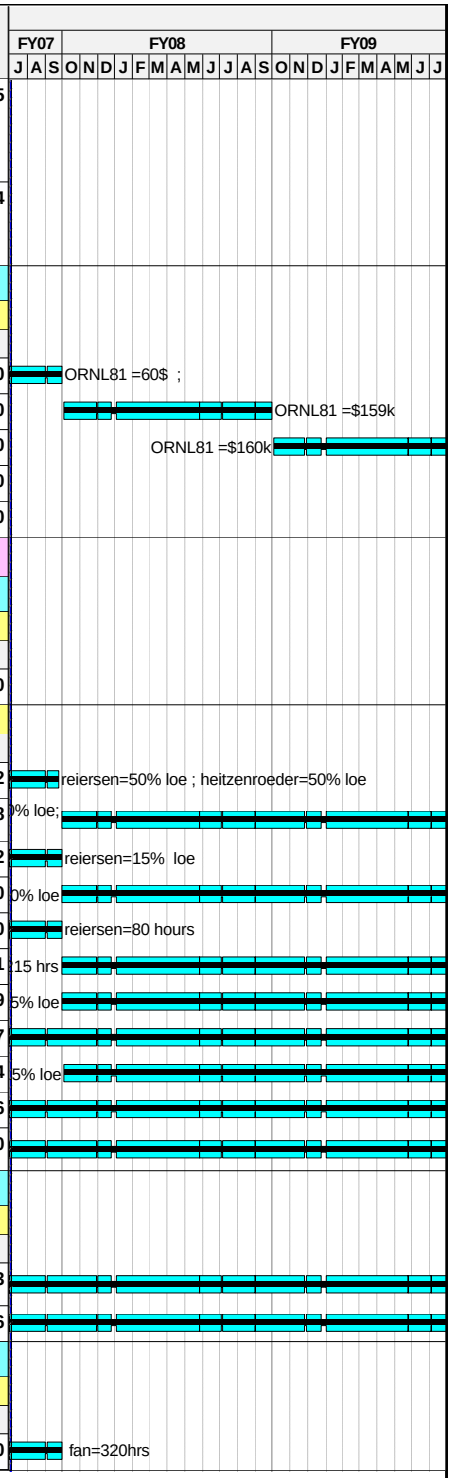
Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
7503-415.6		drill eccentric custom holes in bushings	3	10MAR10	12MAR10	12MAR10	1	0		0.00	20,151.36
7503-416		Position Spool pieces and Bolt MC flanges	9	15MAR10	25MAR10	25MAR10	2	0		0.00	39,640.85
7503-417		Retorque all super nuts after 30 days	6	26APR10	03MAY10	03MAY10	2	0		0.00	79,281.70
7503-418		Raise permanent supports to take machine loads	8	26MAR10	06APR10	06APR10	2	3		0.00	114,363.36
7503-419		Remove temporary assy structure	1	07APR10	07APR10	07APR10	2	3		0.00	11,559.36
7503-419.1		Install/Level FPA's and spool piece supports	15	08APR10	28APR10	28APR10	2	3		0.00	159,781.20
7503-419.2		FPA Metrology checks to assure alignment	3	04MAY10	06MAY10	06MAY10	2	0		0.00	14,729.20
7503-420		Mate-up and Weld spacers onto vvsa	15	07MAY10	27MAY10	27MAY10	2	0		0.00	171,865.20
7503-422		Weld all six port 4's in place	15	28MAY10	18JUN10	18JUN10	2	0		0.00	91,810.80
7503-422.1		Install E-Beam mapping & diag equipt	5	21JUN10	25JUN10	25JUN10	2	0		0.00	45,376.40
7503-240		Install Vacuum pumping system	3	21JUN10	23JUN10	23JUN10	2	2		0.00	19,265.60
7503-250	2	Begin Vac Vsl Pumpdown	0	28JUN10			2	0		0.00	0.00
7503-260		PTP Pumpdown & leak check VV	8	28JUN10	08JUL10	08JUL10	2	0		0.00	57,796.80
7503-424		Install TF alignment & traction ring	4	09JUL10	14JUL10	14JUL10	2	0		0.00	40,467.27
7503-426		Pull TF coil radially inward. Verify nose fit up	5	15JUL10	21JUL10	21JUL10	2	0		0.00	40,467.27
7503-428		Lock TF coils at four support locations	4	22JUL10	27JUL10	27JUL10	2	0		0.00	40,467.27
7503-430		Install MC structure insulation boots port 4's	5	28JUL10	03AUG10	03AUG10	2	0		0.00	38,531.20
7503-431		Seal gaps MC shims,cooling tubes, for insul pour	10	04AUG10	17AUG10	17AUG10	2	0		0.00	77,062.40
7503-432		Fill MC/VVSA annulus with pourable aerogel insul	1	18AUG10	18AUG10	18AUG10	2	0		0.00	7,706.24
7503-433.1		Install LN2 manifolds	5	19AUG10	25AUG10	25AUG10	2	16		0.00	38,531.20
7503-434		Instl in-cryostat cabling for elect pwr to coils	8	19AUG10	30AUG10	30AUG10	2	0		0.00	52,172.80
7503-436		Connect cabling, and I&C to MC & TF Coils	8	31AUG10	10SEP10	10SEP10	2	0		0.00	52,172.80
7503-439		Complete mag diag & machine I&C	5	13SEP10	17SEP10	17SEP10	2	0		0.00	49,779.20
7503-438		Align guide mechanism for solenoid installation	1	20SEP10	20SEP10	20SEP10	2	0		0.00	7,562.76
7503-444		Install solenoid support structure	1	21SEP10	21SEP10	21SEP10	2	0		0.00	6,913.33
7503-440		Install solenoid assembly	1	22SEP10	22SEP10	22SEP10	2	0		0.00	6,913.33
7503-442		Connect cabling, LN2 andI&C to solenoid assy	1	23SEP10	23SEP10	23SEP10	2	0		0.00	3,853.12
7503-446		Install PF4L	1	24SEP10	24SEP10	24SEP10	2	0		0.00	3,853.12
7503-448		Connect cabling, LN2 and I&C to PF4L	1	27SEP10	27SEP10	27SEP10	2	0		0.00	3,853.12
7503-450		Adjust spring compression in solenoid sprt struc	1	28SEP10	28SEP10	28SEP10	2	0		0.00	3,853.12
7503-451		Raise lower PF 5&6 coils into final position	3	29SEP10	01OCT10	01OCT10	2	0		0.00	28,179.60
7503-452		Instl Upper PF 4, 5 & 6	3	04OCT10	06OCT10	06OCT10	2	0		0.00	28,811.28
7503-330	2	Begin Cryostat Installation	0	07OCT10			2	0		0.00	0.00



Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
7503-454		Install cryostat base, vapor barrier port boots	5	07OCT10	13OCT10	13OCT10	2	0		0.00	39,841.60
7503-456		Install elec pwr, LN2, & instr feedthrus	3	14OCT10	18OCT10	18OCT10	2	0		0.00	19,920.80
7503-458	2	Integrated Electrical testing	5	19OCT10	25OCT10	25OCT10	2	0		0.00	53,997.60
7503-460		Instl transition box,cabling,&connect to pwr sup	5	26OCT10	01NOV10	01NOV10	2	34		0.00	39,841.60
7503-462		LN2 connections from coils to manifolds	5	26OCT10	01NOV10	01NOV10	2	8		0.00	39,841.60
7503-464		Connect coil & VV instrumentation	5	26OCT10	01NOV10	01NOV10	2	0		0.00	39,841.60
7503-466		Connect 150C bakeout	3	02NOV10	04NOV10	04NOV10	2	0		0.00	19,920.80
7503-470		Install cryostat cooling syst & instrumentation	10	12NOV10	29NOV10	29NOV10	2	0		0.00	159,366.40
7503-471		Install cryostat upper section, VB & port boots	5	30NOV10	06DEC10	06DEC10	2	0		0.00	39,841.60
7503-472		Install midplane cryostat sections & port boots	8	07DEC10	16DEC10	16DEC10	2	0		0.00	59,762.40
7503-473		Install cryostat circulation duct	3	17DEC10	21DEC10	21DEC10	2	0		0.00	19,920.80
730.8200	2	PTP and Cool down	3	22DEC10	03JAN11	03JAN11	2	0		0.00	68,103.20
76 - Tooling Design & Fabrication											
Job: 7601 - Tooling Design & Fabrication-PERRY											
713.020		Lab Fab/Assy/Installation	348	26JAN09*	15JUN10	15JUN10		154		0.00	31,010.80
713.030		Tooling,assy fixtures,misc equipt	348	26JAN09*	15JUN10	15JUN10		154		0.00	84,863.97
713.040		General procurements	348	26JAN09*	15JUN10	15JUN10		154		0.00	63,647.97
713.050		Welding tools, materials & equipt	348	26JAN09*	15JUN10	15JUN10		154		0.00	113,151.95
713.060		Torque wrenches and multipliers	348	26JAN09*	15JUN10	15JUN10		154		0.00	119,883.90
8 - Project Oversight and Support											
81 - Project Management and Control											
Job: 8101 - Project Management & Control-NEILSON											
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	28SEP07	28SEP07		1,249	LOE	111,109.03	273,667.61
810.900		Project Management Office PPPL FY08 (LOE)	250*	01OCT07*	30SEP08	30SEP08		999	LOE	0.00	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



Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
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	28SEP07	28SEP07		1,249	LOE	24,530.52	60,420.00
810.105X		Project Management Office ORNL FY08 (LOE)	248*	02OCT07*	29SEP08	29SEP08		1,000	LOE	0.00	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)	103*	01MAY07A	25SEP07	25SEP07		1,252	LOE	59,866.82	143,565.52
820.04Y		Engr management (SA LOE)	827*	01OCT07*	01FEB11	01FEB11		422	LOE	0.00	531,578.18
820.04Z		RLM (WBS 13,15,17) (SA LOE)	106*	01MAY07A	28SEP07	28SEP07		1,249	LOE	62,752.55	154,562.92
820.0004Z		RLM (WBS 13,15,17) (SA LOE)	747*	01OCT07*	30SEP10	30SEP10		502	LOE	0.00	114,466.70
820.004Z		Reqmnts mgt & design verification	106*	01MAY07A	28SEP07	28SEP07		1,249	LOE	5,658.99	13,938.40
820.00004Z		Reqmnts mgt & design verification	827*	01OCT07*	01FEB11	01FEB11		422	LOE	0.00	148,448.71
820-004Y		RLM (WBS 2,3 &6) (SA LOE)	747*	01OCT07*	30SEP10	30SEP10		502	LOE	0.00	148,616.69
820.004X		RLM (fabrication) (SA LOE)	933*	01MAY07A	01FEB11	01FEB11		422	LOE	34,001.03	739,152.77
820.005		RLM (WBS 4 & 5) (SA LOE)	826*	02OCT07*	01FEB11	01FEB11		422	LOE	0.00	178,479.64
8205FY07		Systems Engineering Support document control	933*	01MAY07A	01FEB11	01FEB11		422	LOE	7,455.66	162,079.56
8205FY08		Systems Engineering Support (SA LOE)	933*	01MAY07A	01FEB11	01FEB11		422	LOE	13,067.97	284,086.30
Job: 8203 - Design Integration-BROWN											
8203FY07		Design Integration ,& metro support	933*	01MAY07A	01FEB11	01FEB11		422	LOE	45,109.54	980,642.23
8203FY08		CAD Support (SA LOE)	933*	01MAY07A	01FEB11	01FEB11		422	LOE	19,640.84	426,974.76
Job: 8204 - Systems Analysis-BROOKS											
8204FY07		Systems Analysis FY07 Analysis for structure dsn	106*	01MAY07A	28SEP07	28SEP07		1,249	LOE	22,635.96	55,753.60



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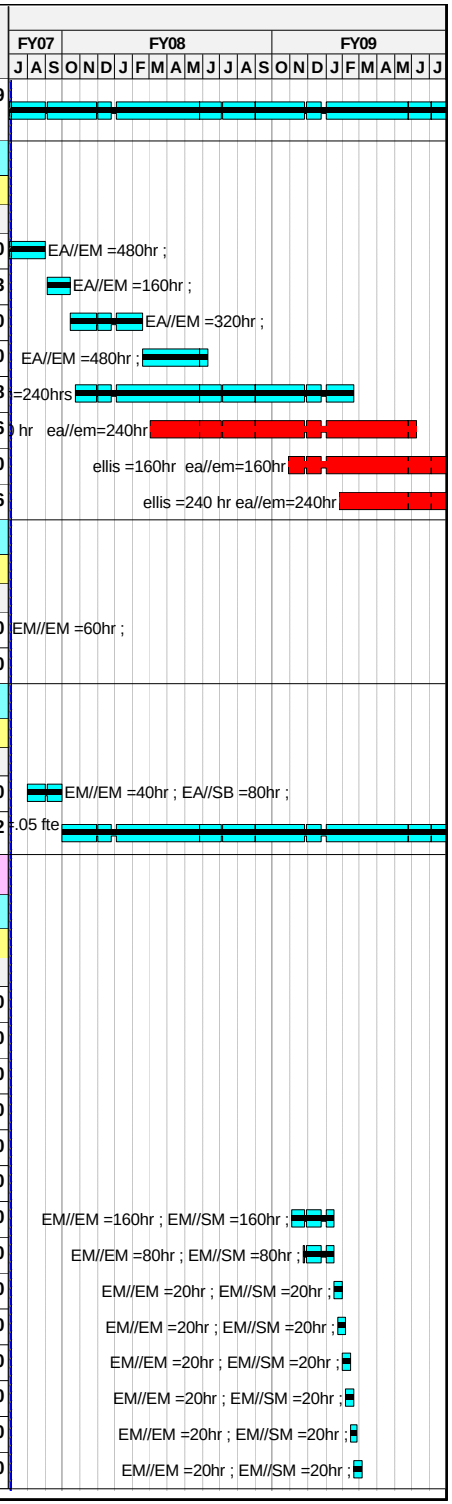
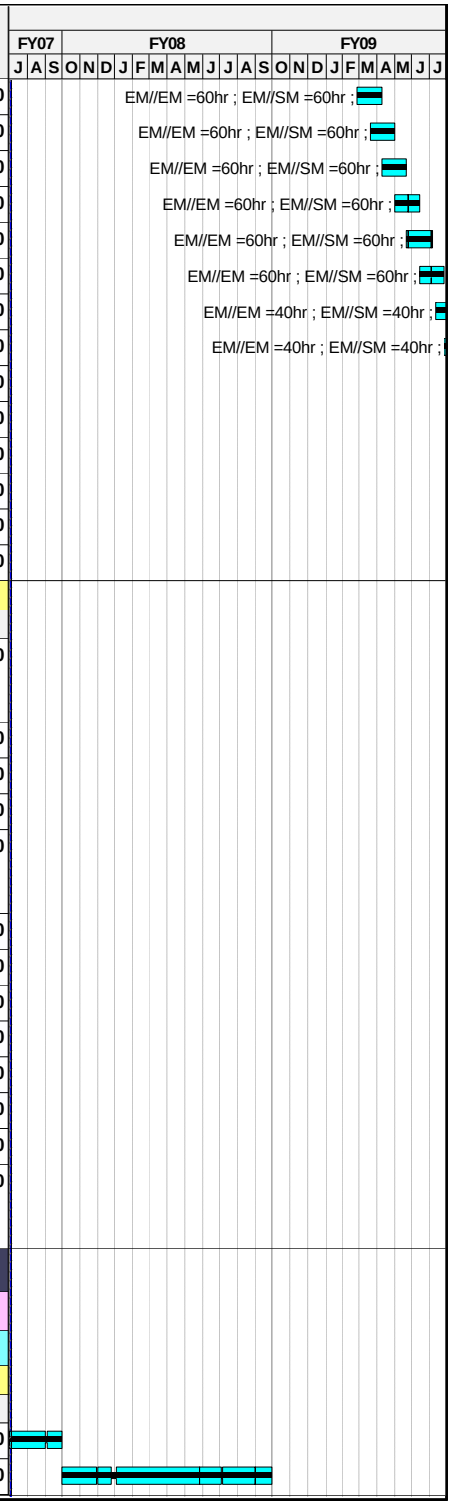
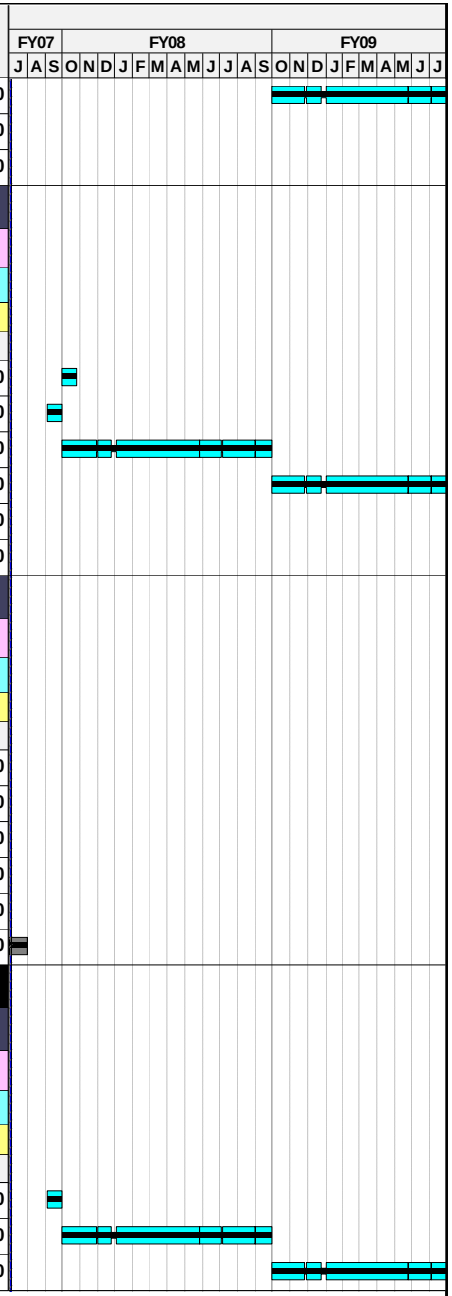
8204FY08		Systems Analysis, studies and tech assurance	932*	01MAY07A	31JAN11	31JAN11		423	LOE	50,519.15	1,098,242.39
Job: 8205 - Dimensional Control Coordin-ELLIS											
METFY07R1	3	Dimensional control plans for station 2	65*	01JUN07A	31AUG07	31AUG07		6	20	16,726.08	83,630.40
METDCP-3	3	Dimensional control plans for station 3	30	04SEP07	15OCT07	15OCT07		56		0.00	28,553.23
METDCP-5	3	Dimensional control plans for station 5	80	16OCT07	15FEB08	15FEB08		111		0.00	59,443.20
METDCP-6	3	Dimensional control plans for station 6	80	18FEB08	09JUN08	09JUN08		111		0.00	89,164.80
METFY08R		Support FPA Station 2	326*	24OCT07	19FEB09	19FEB09		4	LOE	0.00	89,911.08
METFY08RX		Support FPA Station 3	318*	03MAR08	08JUN09	08JUN09		0	LOE	0.00	90,555.06
METFY09		Support FPA Station 5	260*	30OCT08	13NOV09	13NOV09		0	LOE	0.00	61,443.20
METFY10		Support Final Machine Assy	482*	26JAN09	03JAN11	03JAN11		0	LOE	0.00	94,162.86
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	31MAY07A	31MAY07			LOE	9,765.00	9,765.00
Job: 8215 Plant Design											
FY07 Rebaseline Exercise											
8210-07		Update plant model	42*	01AUG07*	28SEP07	28SEP07		1,249		0.00	15,029.60
8210-08		Plant Design FY08	826	01OCT07*	31JAN11	31JAN11		423	LOE	0.00	105,719.02
85 - Integrated Systems Testing											
Job: 8501 - Integrated Systems Testing-GENTILE											
Startup Documentation											
8501-105		ESHD-5008 Environ, Safety, and Health Manual	0	01MAY07A	01MAY07A	01MAY07A				0.00	0.00
8501-109		ESH-014 NEPA Review System	0	01MAY07A	01MAY07A	01MAY07A				0.00	0.00
8501-113		ESH-016 Cntrl Haz Energy Sources Lockout Tagout	0	01MAY07A	01MAY07A	01MAY07A				0.00	0.00
8501-117		ENG-030 PPPL Tech Proced for Exper Facilities	0	01MAY07A	01MAY07A	01MAY07A				0.00	0.00
8501-121		ENG-032 PPPL Work Planning Procedure	0	01MAY07A	01MAY07A	01MAY07A				0.00	0.00
8501-125		ENG-033 PPPL Engineering Design Verification	0	01MAY07A	01MAY07A	01MAY07A				0.00	0.00
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
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



Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
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
920.000		Startup Personnel	76	01OCT10	26JAN11	26JAN11	1	426		0.00	418,829.00
8501-102		Punch list & CSIS & HIS PTP's complete,	5	01OCT10*	07OCT10	07OCT10	1	5		0.00	0.00
8501-103		PTP's complete for ECS,HCS,vac pmpg	5	08OCT10	14OCT10	14OCT10	1	5		0.00	0.00
8501-104		ACC review and ORA	5	15OCT10	21OCT10	21OCT10	1	5		0.00	0.00
730.1250	2	PSO Operational Readiness Assessment	0		21OCT10	21OCT10	1	5		0.00	0.00
8501-301		Configure for Startup ISTP	5	26OCT10	01NOV10	01NOV10	1	3		0.00	0.00
8501-305	2	Coil Testing at room temp	5	05NOV10	11NOV10	11NOV10	1	0		0.00	0.00
8501-106		Coil testing @ cryo temp, Pump-down VV	5	04JAN11	10JAN11	10JAN11	1	0		0.00	0.00
8501-107		Combined field testing, Make 1st Plasma	5	11JAN11	17JAN11	17JAN11	1	0		0.00	0.00
8501-108		Vent VV, Config for & instl e-beam mapping	5	18JAN11	24JAN11	24JAN11	1	0		0.00	0.00
8501-306		E-beam mapping	5	25JAN11	31JAN11	31JAN11	1	0		0.00	0.00
8501-110	1	NCSX Startup Complete	0		31JAN11	31JAN11	1	0		0.00	0.00
730.9000	1	CD-4	0		23DEC11*	23DEC11*	1	0		0.00	0.00
Allocations											
99 - PPPL Allocations											
Job: 8998 - Allocations-STRYKOWSKY											
99.07		PPPL Allocations FY07 LOE	106*	01MAY07A	28SEP07	28SEP07		1,249	LOE	58,480.61	144,040.90
99.08		PPPL Allocations FY08 LOE	249*	01OCT07*	29SEP08	29SEP08		1,000	LOE	0.00	384,384.00



Activity ID	MILE-stones vel 2 &	Activity Description	Duration (work days	Forecast Start	Forecast Finish	Baseline Finish	Shifts	Total Float	% cmplt	Earned value cost (BCWP)	Proposed Baseline Budget
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											
Contingency-Project											
C07		Contingency FY07	19	01OCT07*	25OCT07	25OCT07		1,230		0.00	704,700.00
C07EVERSON		Balance of everson encumbrance fy07 (BA)	19*	04SEP07*	28SEP07	28SEP07		1,249		0.00	144,000.00
C08		Contingency FY08	249*	01OCT07*	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											
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											
Funding'											
F07		MIE Funding FY07	19*	04SEP07*	28SEP07	28SEP07		1,249		0.00	16,771,000.00
F08		MIE Funding FY08	249*	01OCT07*	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