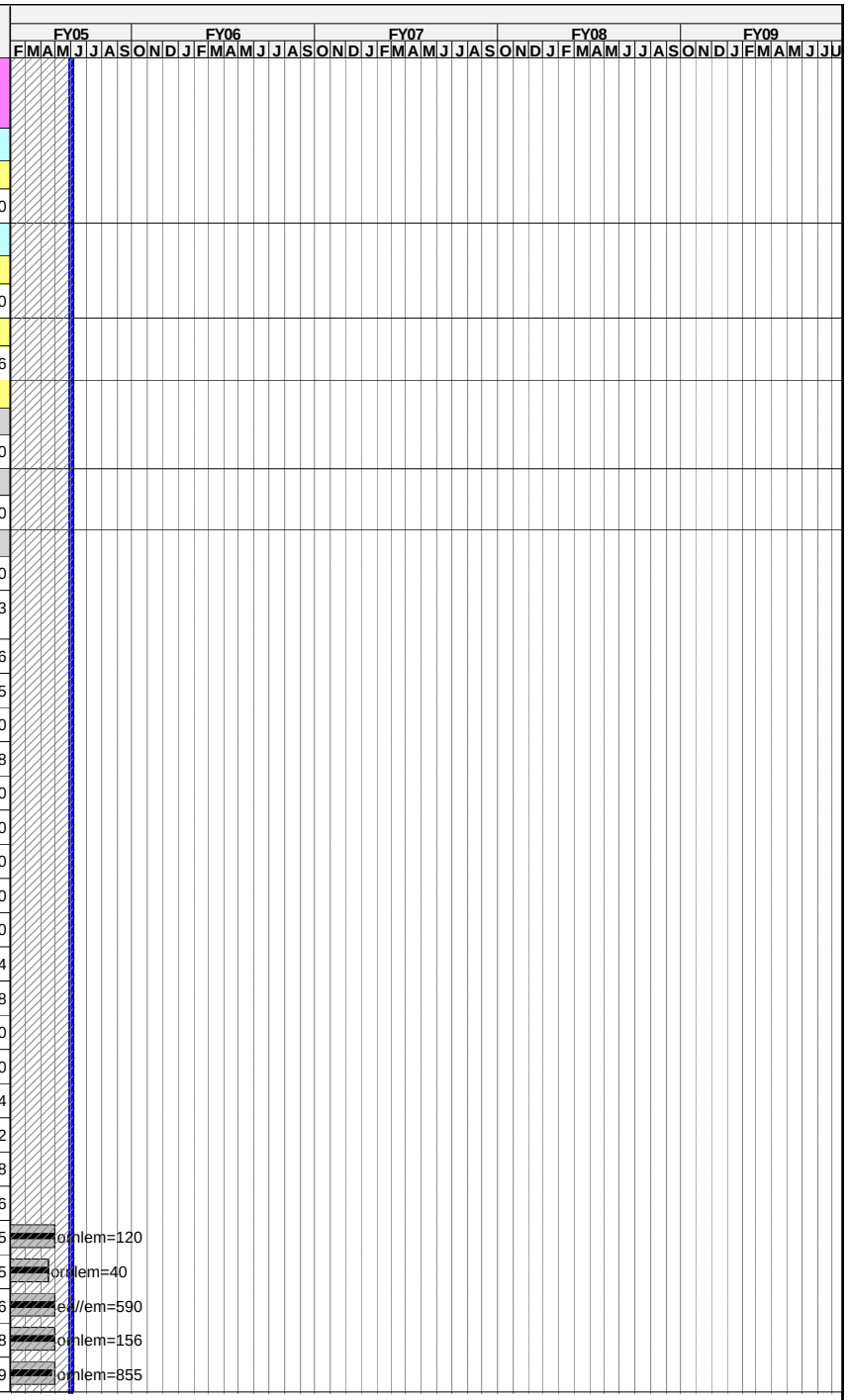
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
cc 9450 - NCSX Fabrication (MIE)								
1 - Stellarator Core Systems								
11 - In-Vessel Components								
+ Job: 1101 - Limiter Adv Conc/Prel Dsn-CLOSED***								
		15JUL03A	78	30SEP03A		100	60.00	60.00
12 - Vacuum Vessel Systems								
+ Job: 1201 - Vacuum Vessel Prelim Dsn-CLOSED****								
		01APR03A	133	07OCT03A		100	424,420.00	424,420.00
+ Job: 1202 - Vacuum Vessel R&D **CLOSED**								
		01APR03A	385	30SEP04A			1,791,181.86	1,791,181.86
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON								
+ Closeout PDR Design Deliverables								
		01OCT03A	235	31AUG04A		100	34,746.30	34,746.30
+ PDR Recommendations								
		01NOV03A	42	31DEC03A		100	25,738.00	25,738.00
Final Design Tasks								
1203-141	Finalize Spec for VVSA	01MAR04A	87*	30JUN04A		100	17,981.20	17,981.20
1203-151	Update VVSA Drawings incl ECP6 add'l port config	01DEC03A	149*	30JUN04A		100	202,403.63	202,403.63
1203-181	Start Thermal Analyses	01NOV03A	82*	30JAN04A		100	22,144.76	22,144.76
1203-191	Start Eddy Current Analyses	03NOV03A	87*	30JAN04A		100	3,424.45	3,424.45
1203-202	Start Port Nozzle Analysis	02JAN04A	63*	30JAN04A		100	4,944.00	4,944.00
1203-233	Check structural analysis	26APR04A	25*	28MAY04A		100	12,638.08	12,638.08
1203-235	Perform Local Thermal Analysis	02FEB04A	65*	30APR04A		100	15,442.80	15,442.80
1203-236	Checdk Local Thermal Analysis	02FEB04A	65*	30APR04A		100	15,442.80	15,442.80
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		100	10,295.20	10,295.20
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		100	12,360.00	12,360.00
1203-240	Check Analysis of VV Supports	26APR04A	25*	28MAY04A		100	5,147.60	5,147.60
1203-291	Update Design Basis Document	20APR04A	29*	18MAY04A		100	2,059.04	2,059.04
1203-321	Assemble FDR Drawing Package, Check & Promote	03MAY04A	20*	18MAY04A		100	4,118.08	4,118.08
1203-331	Prepare Presentations	03MAY04A	20*	18MAY04A		100	12,869.00	12,869.00
1203-341	Conduct VVSA FDR		0	19MAY04A		100	0.00	0.00
1203-234	Perform Global Seismic Analysis	01MAR04A	151*	31AUG04A		100	37,914.24	37,914.24
1203-261	Startup Plan	01OCT03A	298*	29OCT04A		100	26,136.92	26,136.92
1203-301	Update Cost and Schedule Estimates	01SEP04A	42*	29OCT04A		100	3,404.28	3,404.28
1203-311	Prepare Final Design ECP	24MAY04A	10	28MAY04A		100	3,088.56	3,088.56
1203-161	Finalize & Sign All ICDs	20NOV03A	363*	29APR05A		100	16,686.55	16,686.55
1203-201	Update/Perform FMECA Analyses	01MAR04A	284*	15APR05A		100	5,640.45	5,640.45
1203-232	Structural Analysis of Vac Vsl	01MAR04A	294*	29APR05A		100	94,239.96	94,239.96
1203-239	Perform Analysis of VV Supports	01MAR04A	294*	29APR05A		100	22,071.98	22,071.98
1203-361	Final Design of Heating/Cooling	07NOV03A	269*	29APR05A		100	121,988.29	121,988.29



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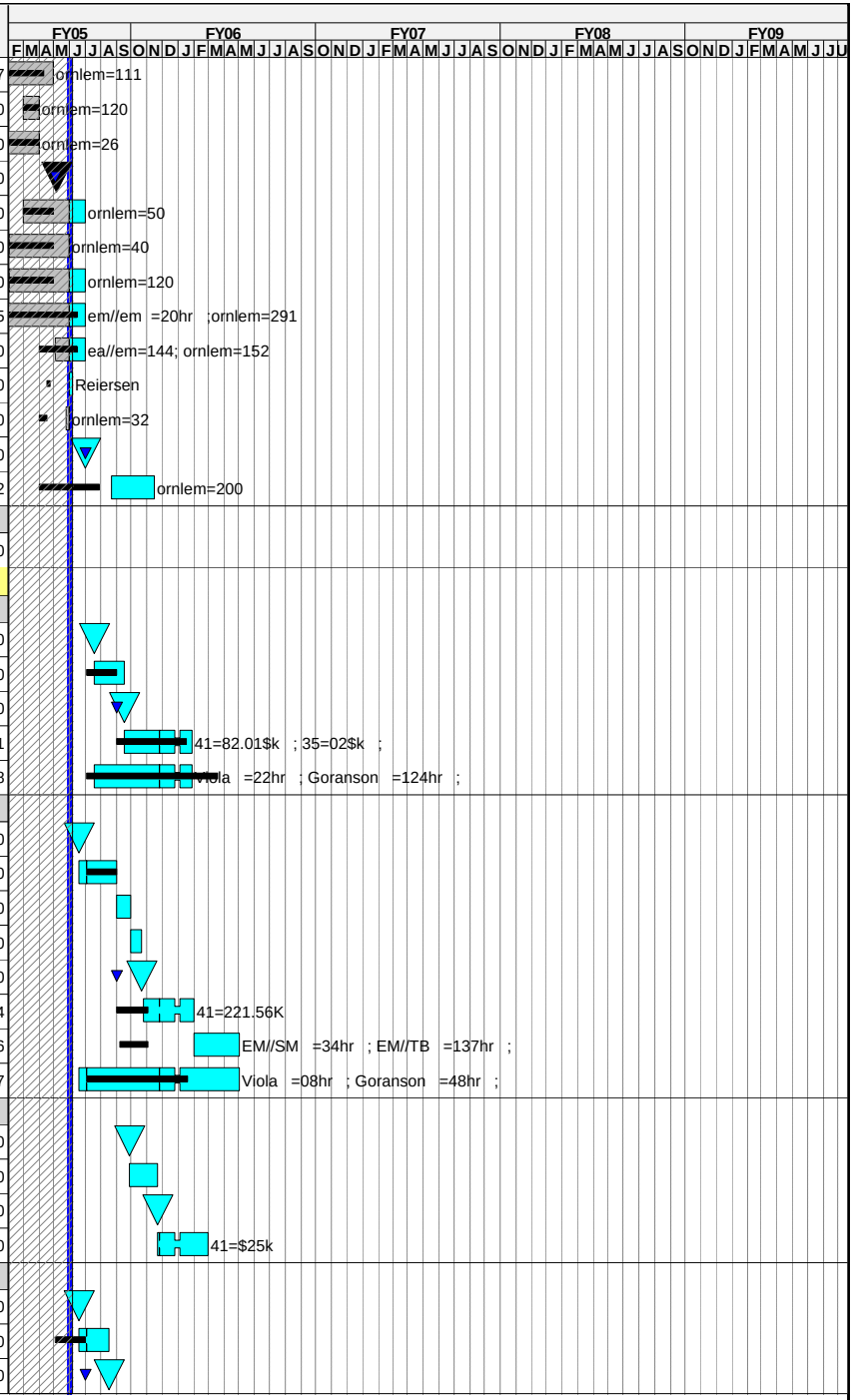
124-011	Final design WBS 124 VV supports	01JUL04A	207*	29APR05A		100	16,302.07	16,302.07
124-011.1	Lateral VV supports	01MAR05A	11*	31MAR05A		100	18,600.00	18,600.00
125-001	Prelim design WBS 125 local I&C	01JAN05A	65	31MAR05A		100	4,030.00	4,030.00
1203-900	WBS 12 FDR w/o insul/htrs**		0	05MAY05A			0.00	0.00
125-011	Final design WBS 125 local I&C	01MAR05A	88*	01JUL05	354	20	1,550.00	7,750.00
124-011.2	Analysis of Lateral supports	01FEB05A	85*	31MAY05A		100	6,200.00	6,200.00
120-100	Magnetic Diag Interface/Install dwgs	01FEB05A	108*	01JUL05	354	70	13,020.00	18,600.00
122-011	Final design WBS 122 Thermal insulation	01JUN04A	273*	01JUL05	354	60	27,540.93	45,901.55
122-012	Heater Tape Design	02MAY05A	44*	01JUL05	354	25	11,839.00	47,356.00
1203-241	Check FMECA Analyses	01JUN05	4	06JUN05	373		0.00	0.00
124-011.3	check support analysis	24MAY05A	5	31MAY05A		100	4,960.00	4,960.00
1203-901	**WBS 12 FINAL FDR **		0	01JUL05*	354		0.00	0.00
1203-271	Develop/Confirm & Installation Process	22AUG05	63	16NOV05	391	10	3,171.76	31,717.62
+ Vacuum Vessel Vendor Selection								
		01JUN04A	86	30SEP04A		100	5,782.20	5,782.20
Job:1204-VV Sys Procurements (non VVSA)-GORANSON								
Thermal Insulation								
122-030.0	Issue req & dwg pkg VV Thermal Insul WBS 122	19JUL05	0		354		0.00	0.00
122-030	SPEA VV Thermal Insulation WBS 122	19JUL05	43	15SEP05	354		0.00	0.00
122-036.9	Award VV Insulation WBS 122		0	15SEP05	383		0.00	0.00
122-037	VV Insulation Procurement WBS 122	16SEP05	89	30JAN06	383		0.00	122,873.51
122-031	Title III engr WBS 122	19JUL05*	132	30JAN06	354		0.00	24,005.28
VV Heating/Cooling Tubing								
123-030.0	Issue Proc Pkg for VV H/C Tubing WBS 123	17JUN05*	0		352		0.00	0.00
123-030	Issue RFQ & Select Vendor VV H/C Tubing WBS 123	17JUN05	53	31AUG05	352		0.00	0.00
123-030.1	Vendor Fab Prototype VV H/C Tubing WBS 123	01SEP05	20	28SEP05	352		0.00	0.00
123-030.2	Evaluate Prototype and Award H/C Tubing WBS 123	29SEP05	17	21OCT05	352		0.00	0.00
123-036.9	Award H/C Tubing WBS 123		0	21OCT05	352		0.00	0.00
123-037	Fabricate and Deliver H/C Tubing WBS 123	24OCT05	65	01FEB06	352		0.00	327,687.24
123-041	VV Heating/Cooling Fab/Assy WBS 123	02FEB06	65	03MAY06	352		0.00	15,447.46
123-031	Title III engr WBS 123	17JUN05	220	03MAY06	870		0.00	9,259.07
VV H/C Manifolds & Headers								
123-130.0	Issue Proc Pkg for VV H/C Manifolds WBS 123	27SEP05*	0		352		0.00	0.00
123-130	Issue RFQ &Select Vendor VV H/C Manifold WBS 123	27SEP05	40	21NOV05	352		0.00	0.00
123-136.9	Award H/C Manifolds WBS 123		0	21NOV05	352		0.00	0.00
123-137	Fabricate and Deliver H/C ManifoldsWBS 123	22NOV05	65	02MAR06	352		0.00	36,975.00
VV Supports								
124-030.0	Issue req & dwg package VV Supports WBS 124	17JUN05*	0		498		0.00	0.00
124-030	SPEA VV Supports WBS 124	17JUN05	43	17AUG05	498		0.00	0.00
124-036.9	Award VV Supports WBS 124		0	17AUG05	498		0.00	0.00



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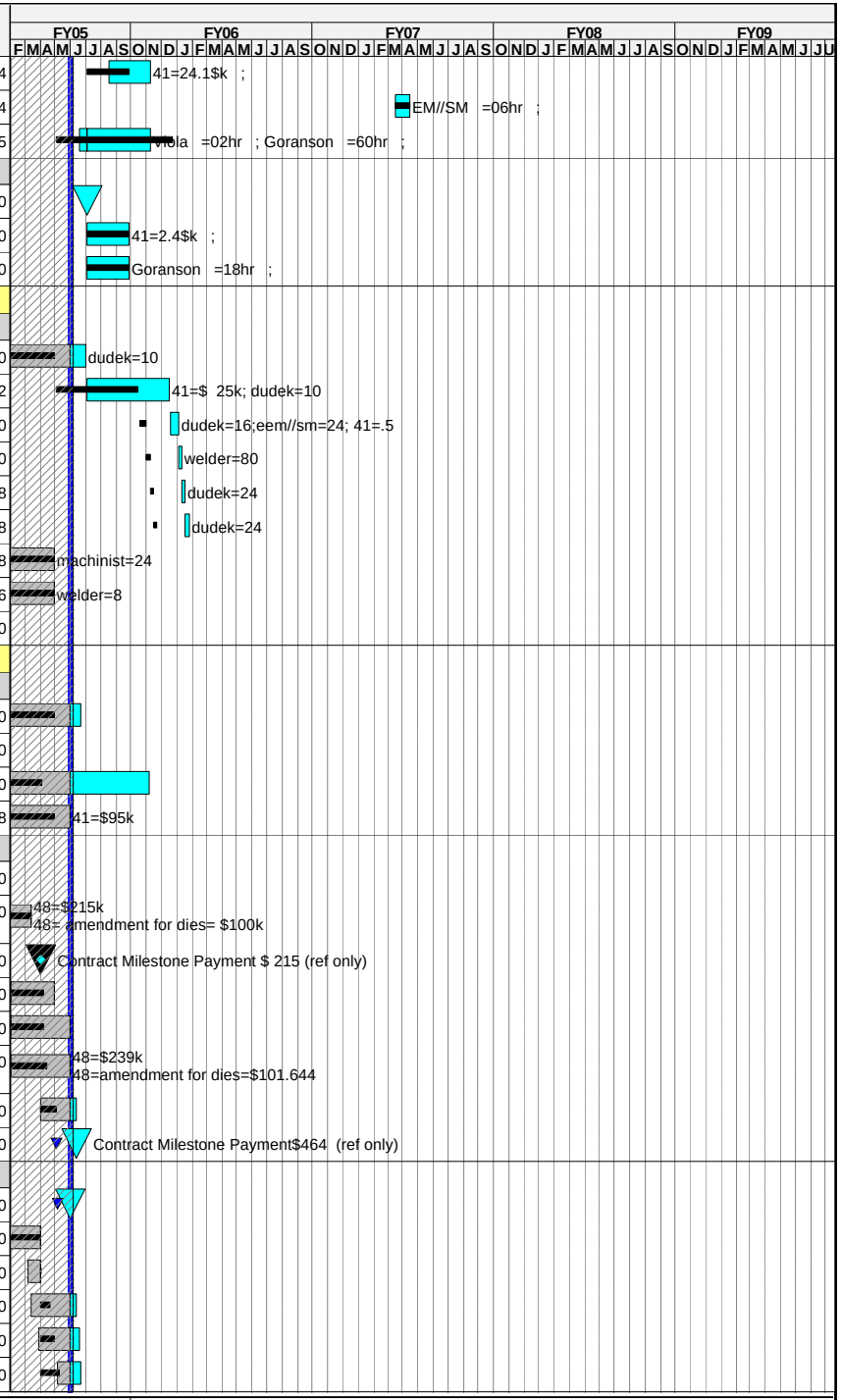
124-037	VV Supports Procurement WBS 124	18AUG05	60	09NOV05	498		0.00	33,098.94
124-041	VV Supports Fab/assy WBS 124	19MAR07	20	13APR07	164		0.00	722.64
124-031	Title III engr WBS 124	17JUN05	103	09NOV05	516		0.00	9,854.85
VV Local I&C								
125-036	Issue Procurement Package Local I&C WBS 125	05JUL05	0		436		0.00	0.00
125-037	Procurement Local I&C WBS 125	05JUL05	60	26SEP05	436		0.00	3,074.40
125-015	Title III design Local I&C WBS 125	05JUL05	61	27SEP05	435		0.00	2,790.00
Job: 1206 - VV Field Weld Joint R&D-DUDEK								
Vessel Weld Joint R&D								
1202-848	Bid,eval,award full size test sample *ECP6*	29APR04A	299*	01JUL05	603	LOE	1,480.68	1,604.20
1202-851	vendor fab & deliver full size sample *ECP6*	04JUL05	120	16DEC05	603		0.00	38,668.12
1202-854	Instrument sample *ECP6*	19DEC05	11	02JAN06	603		0.00	6,441.90
1202-857	Perform welds on sample *ECP6*	03JAN06	5	09JAN06	603		0.00	9,417.60
1202-860	Measure Results *ECP6*	10JAN06	6	17JAN06	603		0.00	4,315.68
1202-863	Report Results *ECP6*	18JAN06	5	24JAN06	603		0.00	4,315.68
1206-100	Prep Sample	01NOV04A	125*	29APR05A		100	2,520.48	2,520.48
1206-110	Weld	01NOV04A	125*	29APR05A		100	596.16	596.16
1206-115	Analyze	01NOV04A	10	30NOV04A		100	6,610.00	6,610.00
Job: 1250 - Vacuum Vessel Fabrication-VIOLA								
Start Up/Engineering								
VVSA-001	Process Order	24SEP04A	188*	21JUN05	1,107	90	0.00	0.00
VVSA-011	Sect 5.1 Segmentation Scheme	04NOV04A	5	19NOV04A		100	96,075.00	96,075.00
VVSA-021	Sect 5.1.2 Fiducials	29NOV04A	242*	04NOV05	1,009	98	0.00	0.00
VVSA-031	Sect 5.1.3 Proc Outline & Asc Procedures	24SEP04A	152	31MAY05A		100	121,675.78	121,675.78
Dies & Gages								
VVSA-041	Engineering	20SEP04A	91*	31JAN05A		100	0.00	0.00
VVSA-051	Procure Die Materials (4 sets)	10JAN05A	59*	13MAR05A		100	315,000.00	315,000.00
121-100	S005243 #1-Die Material Procured		0	31MAR05A		100	0.00	0.00
VVSA-061	Machine Complete	01FEB05A	64*	29APR05A		100	0.00	0.00
VVSA-071	Deburr	01FEB05A	64	31MAY05A		100	0.00	0.00
VVSA-081	Inspection	01FEB05A	65	31MAY05A		100	340,640.00	340,640.00
VVSA-091	Development Panels (9 panels)	31MAR05A	25	10JUN05	428	70	0.00	0.00
121-115	S005243 #4-Dies Manufactured		0	10JUN05	1,114		0.00	0.00
Fixture (2) 60 degree								
VVA-152	Inspection Second		0	31MAY05*	1,122		0.00	0.00
VVSA-101	Engineering	25OCT04A	109*	31MAR05A		100	0.00	0.00
VVSA-111	Procure Materials	07MAR05A	0*	30MAR05A		100	0.00	0.00
VVSA-121	Fab & Machine	14MAR05A	36	10JUN05	1,108	80	0.00	0.00
VVSA-131	Assemble	28MAR05A	26	17JUN05	1,108	90	0.00	0.00
VVSA-141	Deburr	06MAY05A	6	20JUN05	1,108	70	0.00	0.00



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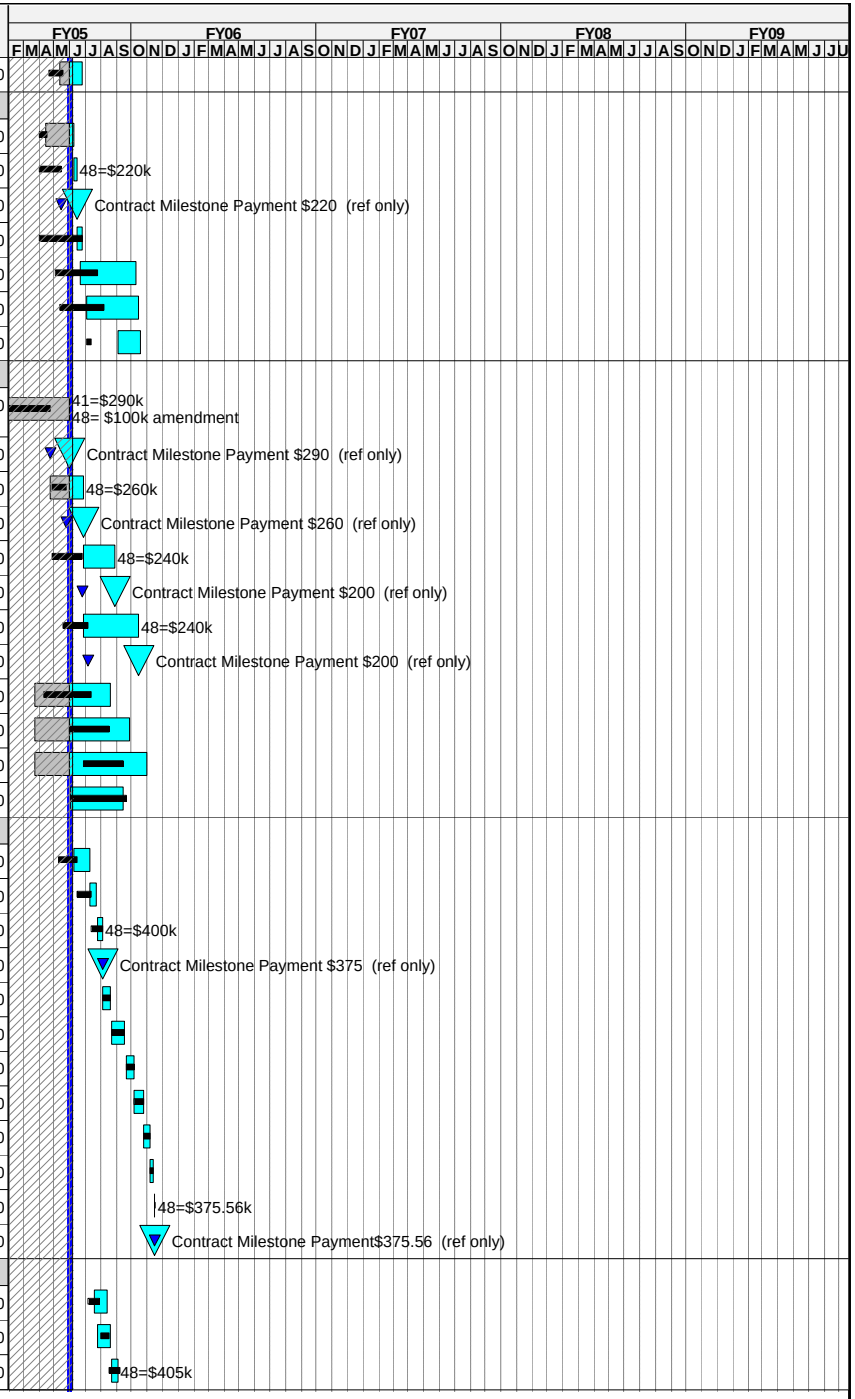
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
VVSA-151	Inspection First	13MAY05A	9	23JUN05	1,105	65	0.00	0.00
Fixture (3) 120 degree								
VVSA-161	Engineering	15APR05A	5	08JUN05	1,033	80	0.00	0.00
VVSA-171	Procure Materials	09JUN05*	5	15JUN05	1,033		0.00	220,000.00
121-110	S005243 #3-Fixture material procured		0	15JUN05	1,111		0.00	0.00
VVSA-181	Fab & Machine	16JUN05*	6*	23JUN05	1,033		0.00	0.00
VVSA-191	Assemble	22JUN05*	78*	07OCT05	1,029		0.00	0.00
VVSA-201	Deburr	04JUL05*	75*	14OCT05	1,024		0.00	0.00
VVSA-211	Inspection -	05SEP05*	32	18OCT05	1,022		0.00	0.00
Panels & Ports								
VVSA-221	Procure Vessel Material	29OCT04A	127	31MAY05A		100	471,490.00	471,490.00
121-105	S005243 #2-Vessel material procured		0	31MAY05*	1,122		0.00	0.00
VVSA-231	Production Panels Period #1	22APR05A	22	27JUN05	417	5	13,000.00	260,000.00
121-120	S005243 #5-1/3 of Vessel plates formed		0	27JUN05*	1,103		0.00	0.00
VVSA-241	Production Panels Period #2	28JUN05*	45*	29AUG05	492		0.00	240,000.00
121-125	S005243 #6-Second 1/3 of vsl plates formed		0	29AUG05*	1,058		0.00	0.00
VVSA-251	Production Panels Period #3	28JUN05*	79*	14OCT05	1,024		0.00	240,000.00
121-130	S005243 #7-Last 1/3 of vsl plates formed		0	14OCT05*	1,024		0.00	0.00
VVSA-261	Port Ext, Misc HW Period #1	23MAR05A	107*	18AUG05	410	20	0.00	0.00
VVSA-271	Port Ext, Misc HW Period #2	23MAR05A	134*	26SEP05	472	20	0.00	0.00
VVSA-281	Port Ext, Misc HW Period #3	23MAR05A	159*	31OCT05	541	20	0.00	0.00
VVSA-291	Spacer & port Ext	03JUN05*	73*	13SEP05	634		0.00	0.00
First 120 deg segment								
VVSA-301	1st 60 deg segment	10JUN05*	21*	08JUL05	410		0.00	0.00
VVSA-311	2nd 60 deg segment	11JUL05*	10*	22JUL05	410		0.00	0.00
VVSA-321	Join two pieces	25JUL05*	7*	02AUG05	410		0.00	400,000.00
121-135	S005243 #8-One VVSA fabricated		0	02AUG05*	1,077		0.00	0.00
VVSA-331	Machine for Ports	03AUG05	12*	18AUG05	410		0.00	0.00
VVSA-341	Weld Ports	23AUG05*	19*	16SEP05	408		0.00	0.00
VVSA-351	Final Machine	19SEP05	14	06OCT05	408		0.00	0.00
VVSA-361	Vacuum Test	07OCT05	12*	24OCT05	408		0.00	0.00
VVSA-371	Cut Off Ports	25OCT05	9*	04NOV05	408		0.00	0.00
VVSA-381	Pack for Shipping LI#4	07NOV05	5*	11NOV05	408		0.00	0.00
VVSA-391	Receive at PPPL	14NOV05	3	16NOV05	408		0.00	375,560.00
121-150	S005243 #11-Receipt/Acceptance of 1st VVSA		0	16NOV05*	1,001		0.00	0.00
Second 120 deg segment								
VVSA-401	60 deg segment	20JUL05*	18	12AUG05	476		0.00	0.00
VVSA-411	60 deg segment	25JUL05*	20*	19AUG05	473		0.00	0.00
VVSA-421	Join two pieces	22AUG05	11	05SEP05	473		0.00	405,000.00



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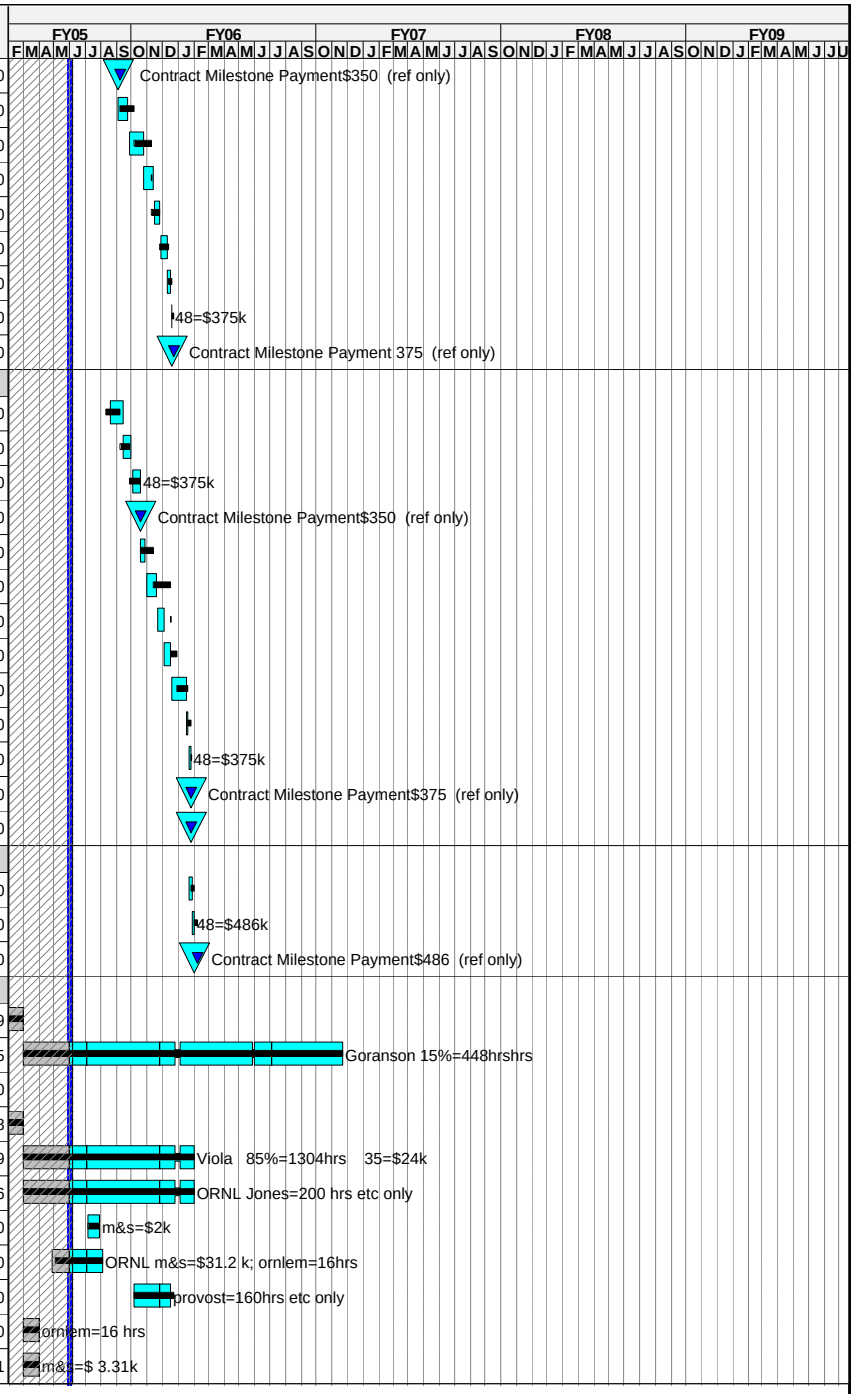
121-140	S005243 #9-Second VVSA fabricated		0	05SEP05*	1,053		0.00	0.00
VVSA-431	Machine for Ports	06SEP05	14	23SEP05	473		0.00	0.00
VVSA-441	Weld Ports	27SEP05	20	24OCT05	472		0.00	0.00
VVSA-451	Final Machine	25OCT05	14	11NOV05	472		0.00	0.00
VVSA-461	Vacuum Test	14NOV05	10	25NOV05	472		0.00	0.00
VVSA-471	Cut Off Ports	28NOV05	10	09DEC05	472		0.00	0.00
VVSA-481	Pack for Shipping LI#4	12DEC05	5	16DEC05	472		0.00	0.00
VVSA-491	Receive at PPPL	19DEC05	2	20DEC05	472		0.00	375,000.00
121-155	S005243 #12-Receipt /Acceptance of 2nd VVSA		0	20DEC05*	977		0.00	0.00
Third 120 deg segment								
VVSA-501	60 deg segment	19AUG05*	19*	14SEP05	542		0.00	0.00
VVSA-511	60 deg segment	15SEP05	12	30SEP05	542		0.00	0.00
VVSA-521	Join two pieces	03OCT05*	11	17OCT05	542		0.00	375,000.00
121-145	S005243 #10-Third VVSA fabricated		0	17OCT05	1,023		0.00	0.00
VVSA-531	Machine for Ports	18OCT05	9	28OCT05	542		0.00	0.00
VVSA-541	Weld Ports	01NOV05	14	18NOV05	541		0.00	0.00
VVSA-551	Final Machine	21NOV05	10	02DEC05	541		0.00	0.00
VVSA-561	Vacuum Test	05DEC05	10	16DEC05	541		0.00	0.00
VVSA-571	Cut Off Ports	19DEC05	22	17JAN06	541		0.00	0.00
VVSA-581	Pack for Shipping LI#4	18JAN06	3	20JAN06	541		0.00	0.00
VVSA-591	Receive at PPPL	23JAN06	4	26JAN06	541		0.00	375,000.00
121-160	S005243 #13-Receipt/Acceptance of 3rd VVSA		0	26JAN06*	950		0.00	0.00
121-038.1	All Vacuum Vessel Sections (3) Delivered		0	26JAN06	541		0.00	0.00
Ship Tooling								
VVSA-601	Pack Tooling for PPPL	23JAN06	5	27JAN06	945		0.00	0.00
VVSA-611	PPPL Receive Tooling	30JAN06	4	02FEB06	945		0.00	486,000.00
121-165	S005243 #14-Delivefy of tooling,dies,fixtures		0	02FEB06*	945		0.00	0.00
121-031	VVSA Title III engr	21MAY04A	631	28FEB05A		LOE	27,753.79	27,753.79
121-034	VVSA Title III engr	01MAR05A	440*	22NOV06	727	LOE	10,890.01	73,581.15
121-032	VVSA Contract oversight FY04	21MAY04A	386*	30SEP04A		LOE	20,052.50	20,052.50
121-033	VVSA Contract oversight FY05	01OCT04A	290*	28FEB05A		LOE	75,267.38	75,267.38
121-035	VVSA Contract oversight FY05 & FY06	01MAR05A	231*	31JAN06	936	LOE	72,780.63	259,005.79
121-035.1	ORNL fesign support during MTM Contract	01MAR05A	231*	31JAN06	936	LOE	8,974.31	31,937.06
121-036	Ship vac equipt from PPPL to MTM for vac testing	08JUL05*	15	28JUL05	441		0.00	2,562.00
121-037	Purchase seals and ship to MTM	25APR05A	70*	02AUG05	438		2,480.00	33,680.00
121-038	assist MTM testing of VVSA	07OCT05	49*	16DEC05	522		0.00	0.00
121-039	Design Seal Template	01MAR05A	20	31MAR05A		100	2,480.00	2,480.00
121-141	Fabricate Seal Template and ship to MTM	01MAR05A	65	31MAR05A		100	4,240.11	4,240.11



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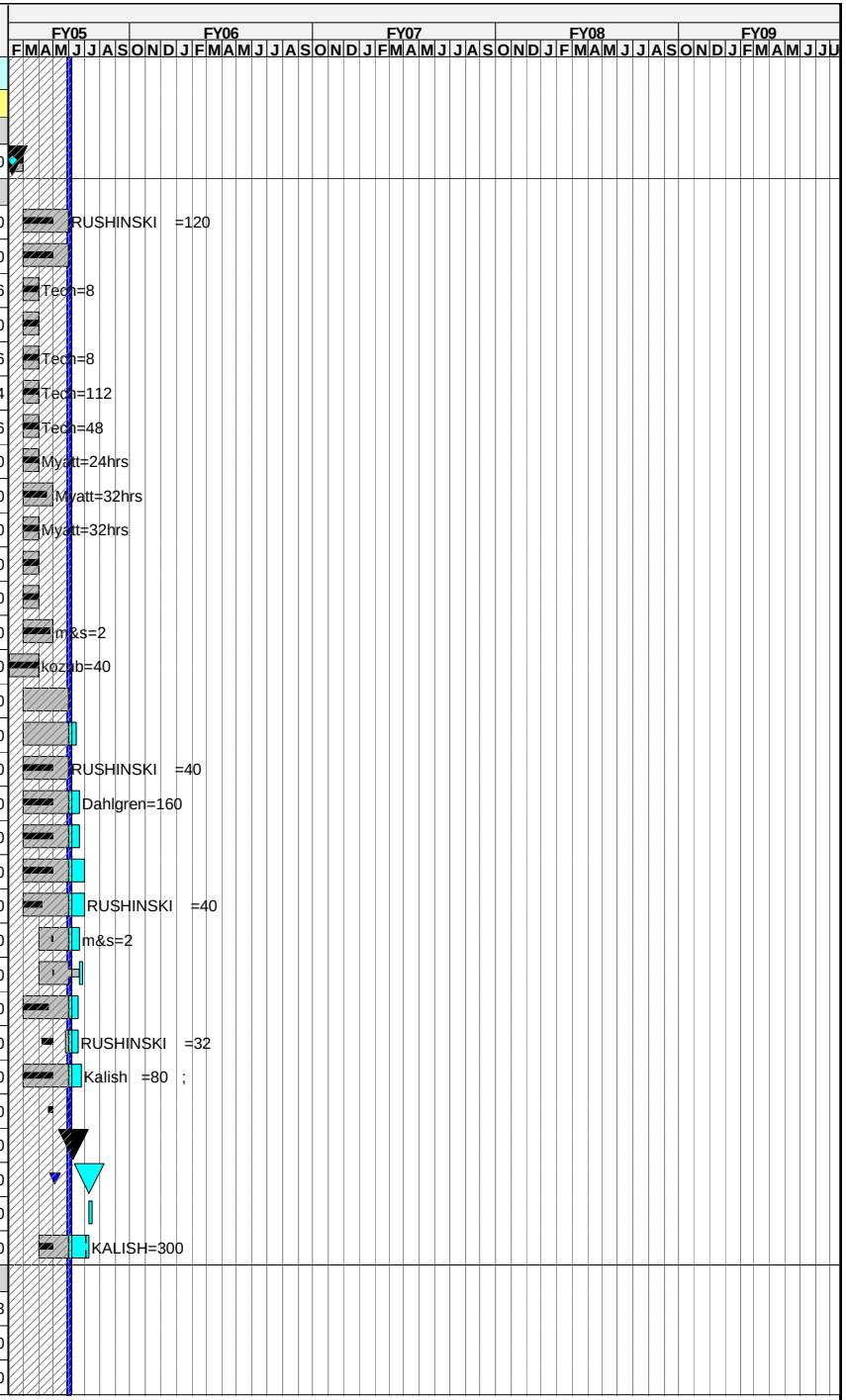
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

© Primavera Systems, Inc.

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
13 - Conventional Coils								
Job: 1301 - TF Design-KALISH								
+ Preliminary Design								
		01OCT03A	355	28FEB05A		100	471,974.00	471,974.00
Final Design								
1301FD-01	TF Detailed Drawings	01MAR05A	62	31MAY05A		100	19,830.00	19,830.00
1301FD-02	Develop Subassembly Process	01MAR05A	57	31MAY05A		100	0.00	0.00
1301FD-09	Electrical Test 1st Sample	01MAR05A	2	31MAR05A		100	596.16	596.16
1301FD-10	Ship 1st Sample	01MAR05A	5	31MAR05A		100	0.00	0.00
1301FD-11	Machine Copper Bars 2nd Sample	01MAR05A	1	31MAR05A		100	596.16	596.16
1301FD-12	Turn to Turn and Ground Wrap 2nd Sample	01MAR05A	7	31MAR05A		100	8,346.24	8,346.24
1301FD-13	Impregnate and Complete Sample 2nd Sample	01MAR05A	3	31MAR05A		100	3,576.96	3,576.96
1301FD-14	Update Analysis for Front Puller	01MAR05A	3	31MAR05A		100	3,843.00	3,843.00
1301FD-15	Lead Transition Stress Analysis	01MAR05A	44*	29APR05A		100	5,124.00	5,124.00
1301FD-16	Honeycomb InsulationStress Analysis	01MAR05A	4	31MAR05A		100	5,124.00	5,124.00
1301FD-18	Electrical Test 2nd Sample	01MAR05A	1	31MAR05A		100	0.00	0.00
1301FD-19	Ship 2nd Sample	01MAR05A	5	31MAR05A		100	0.00	0.00
1301FD-20	Test 1st Sample	01MAR05A	44*	29APR05A		100	21,162.00	21,162.00
1301R-12	Build Test Fixture	01FEB05A	43*	31MAR05A		100	6,610.00	6,610.00
1301FD-01B	Redesign Lead Stems	01MAR05A	62	31MAY05A		100	0.00	0.00
1301FD-01C	Lead Stem Detail Dwgs	01MAR05A	74*	13JUN05	1,093	75	0.00	0.00
1301FD-04	Final Drawing Check	01MAR05A	57	31MAY05A		100	6,610.00	6,610.00
1301FD-05	Anaylsis Check	01MAR05A	59	20JUN05	1,088	30	7,932.00	26,440.00
1301FD-06	Complete ICDs	01MAR05A	59	20JUN05	1,088	50	0.00	0.00
1301FD-08	Resolove PDR Chits	01MAR05A	87*	30JUN05	1,080	90	0.00	0.00
1301FD-17	Resolve Tolerance Issues	01MAR05A	87*	30JUN05	1,080	75	4,957.50	6,610.00
1301FD-21	Test 2nd Sample	01APR05A	56*	20JUN05	387	80	16,929.60	21,162.00
1301FD-22	Evaluate Results	01APR05A	61*	27JUN05	387	75	0.00	0.00
1301R-37	Prepare Coil Spec	01MAR05A	78*	17JUN05	435	25	0.00	0.00
1301FD-03	Layout Subassembly Fixture	25MAY05A	17*	17JUN05	1,089	10	528.80	5,288.00
133-010	Design WBS 134 Conv Coil I&C	01MAR05A	62	24JUN05	386	10	1,322.00	13,220.00
1301R-31	Review and Approve Coil Spec	31MAY05A	1	31MAY05A		100	0.00	0.00
1301FD-70	TF Conductor FDR		0	09JUN05A		100	0.00	0.00
131-012	Comprehensive WBS 13 TF FDR		0	08JUL05*	377		0.00	0.00
1301FD-84	TF Coil Fabrication & assy package approved	11JUL05	5*	15JUL05	491		0.00	0.00
1301FD-50	Engineering LOE	02APR05A	68*	08JUL05	379		29,893.73	49,575.00
Prior Costs								
163-001	Title I design CS sprt struc	01DEC03A	341*	30SEP04A		LOE	45,035.13	45,035.13
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	0.00	0.00
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	91,660.00	91,660.00



Run Date **10JUN05 10:55**

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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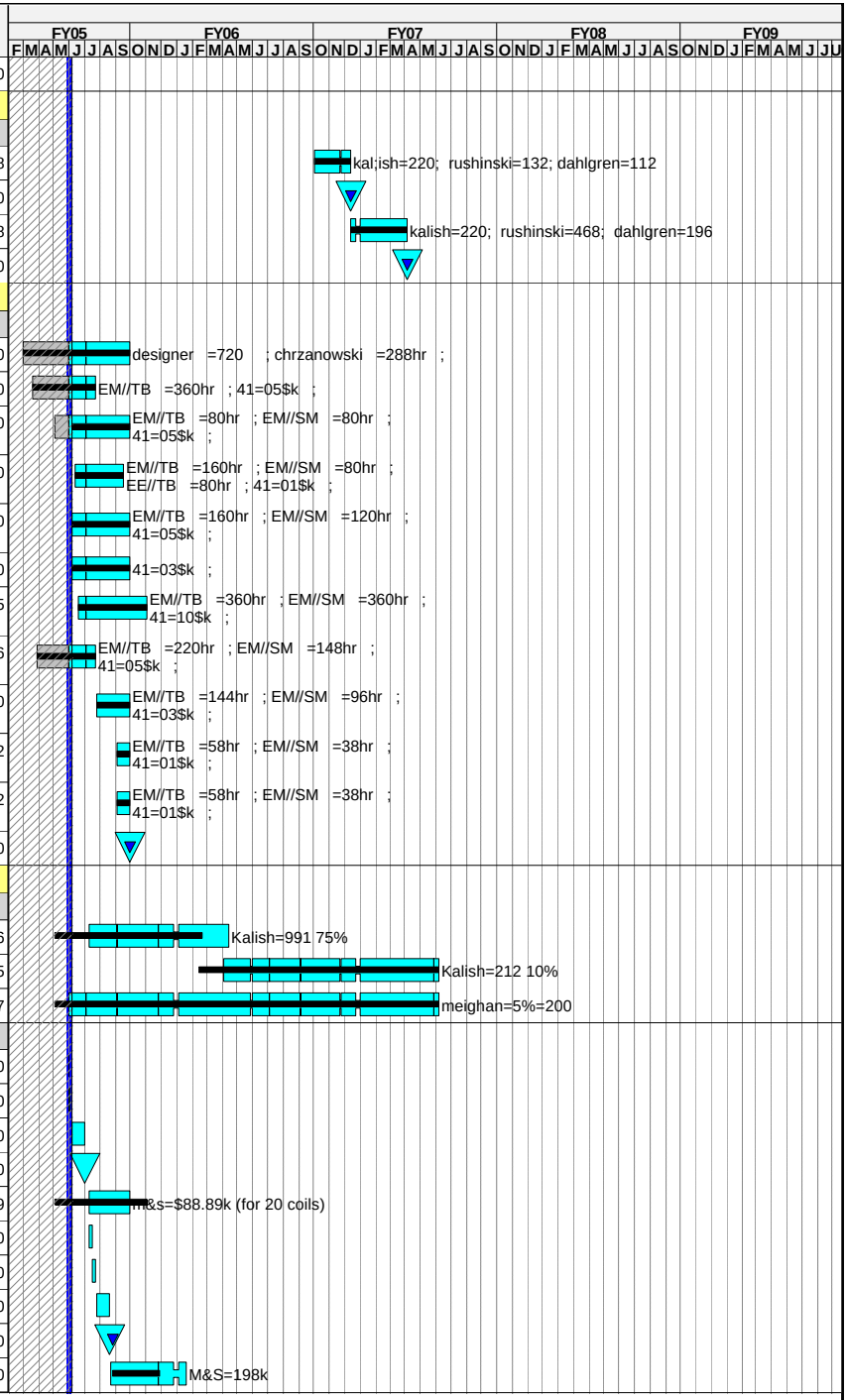
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
1301-FY04	FY04 cost variance	01OCT03A	64*	30SEP04A		100	27,000.00	27,000.00
Job: 1302 - PF and CS Design -KALISH								
1302-PF	PF& CS Support Preliminary Design	02OCT06*	50	12DEC06	175		0.00	87,148.48
141-012	PF & CS Sprt PDR		0	12DEC06	175		0.00	0.00
1302-CSS	PF & CS Support Final Design	13DEC06	75	04APR07	175		0.00	166,032.88
1301-137	PF & CS Support FDR		0	04APR07	175		0.00	0.00
Job: 1350 TF Coil Fab Preparation-CHRZANOWSKI								
1350-100	Design tooling & winding facility	01MAR05A	152*	30SEP05	1,015	60	72,770.40	121,284.00
1350-500	Recondition turnkng fixture	21MAR05A	88*	22JUL05	1,065	75	26,525.40	33,232.20
1350-505	Winding Clamps	02MAY05A	108*	30SEP05	1,015	25	4,833.37	20,768.20
1350-510	Taping Machine Conditioning	13JUN05*	69*	16SEP05	1,025		0.00	27,656.20
1350-515	Winding mandrel	06JUN05*	84*	30SEP05	1,015		0.00	30,930.60
1350-520	Misc tools & equipt	06JUN05*	84*	30SEP05	1,015		0.00	3,843.00
1350-525	TF mold (2)	20JUN05*	96*	01NOV05	993		0.00	79,690.05
1350-600	Build Cleanroom	28MAR05A	83*	22JUL05	1,015	85	30,093.06	37,829.96
1350-605	Install winding table	25JUL05*	50*	30SEP05	1,015		0.00	24,655.80
1350-610	Setup copper delivery system	05SEP05*	20	30SEP05	1,015		0.00	9,850.12
1350-615	Install taping machine	05SEP05*	20*	30SEP05	1,015		0.00	9,850.12
1350-620	Complete setup of facility		0	30SEP05	1,015		0.00	0.00
Job: 1351 - TF Coil Fabrication-KALISH								
TF Fabrication Oversight								
131-031	Title III engr (FDR through 1st coil test 75%)	11JUL05	189*	12APR06	426		0.00	176,253.96
131-032	Title III engr (completion of coils 10%)	05APR06	295*	07JUN07	311		0.00	39,525.35
131-033	Winding operations field oversight	01JUN05	505*	07JUN07	311		0.00	23,294.57
TF Materials & Supplies								
1301FD-72	TF Conductor Procurement Package approved	31MAY05A	5	31MAY05A		100	0.00	0.00
1301FD-74	Prepare & issue TF Conductor RFP	31MAY05A	4*	03JUN05	443		0.00	0.00
1301FD-76	Evaluate bids and award TF conductor	06JUN05	18*	29JUN05	443		0.00	0.00
1301FD-77	Award TF conductor		0	29JUN05	443		0.00	0.00
1351-529	Coil Supplies- Deliver Copper Conductor	11JUL05	60	30SEP05	439		0.00	113,868.09
1301FD-78	TF Wedge Plate procurement package approved	11JUL05	5	15JUL05	474		0.00	0.00
1301FD-80	Prepare and Issue TF Wedge Plate RFP	18JUL05	5	22JUL05	474		0.00	0.00
1301FD-82	Evaluate and award TF Wedge Plate Fabrication	25JUL05	20	19AUG05	474		0.00	0.00
1351-85C	Award TF Castings		0	19AUG05	477		0.00	0.00
1351-85D	Vendor Fab TF Castings	22AUG05	100	18JAN06	477		0.00	277,615.80



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PMB Schedule
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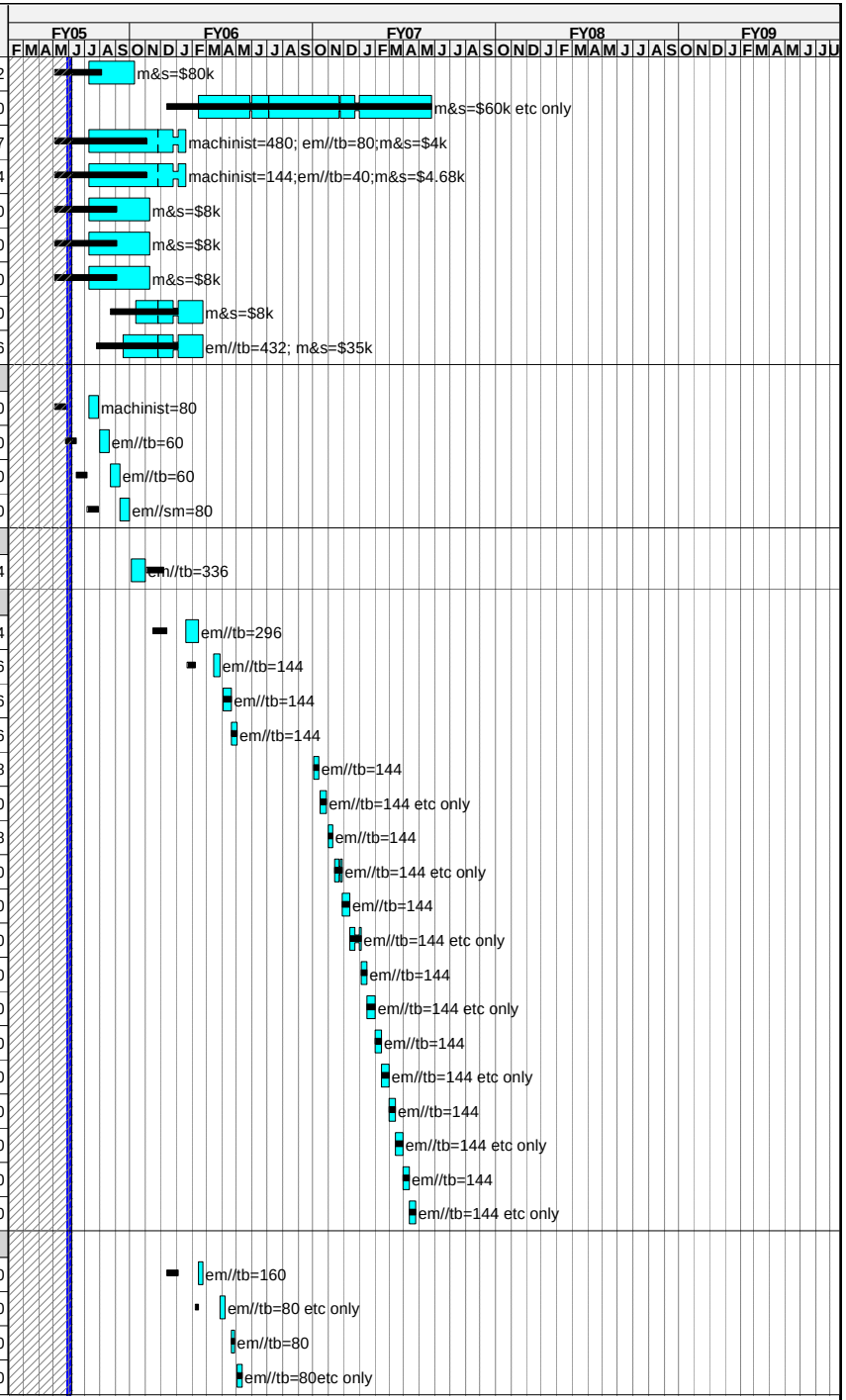
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
1351-525	Coil Supplies- Insulation	11JUL05	65	07OCT05	462		0.00	114,664.62
1351-527	Coil Supplies- Epoxy	14FEB06	324*	25MAY07	315		0.00	0.00
1351-531	Coil Supplies- G-11 fillers	11JUL05	130	18JAN06	379		0.00	65,592.67
1351-533	Coil Supplies- Lead Blocks	11JUL05	130	18JAN06	379		0.00	25,776.74
1351-535	Coil Supplies- Safety & PPE equipt & supplies	11JUL05	88	09NOV05	421		0.00	10,752.00
1351-537	Coil Supplies- Misc supplies	11JUL05	88	09NOV05	421		0.00	10,752.00
1351-539	Coil Supplies- Primer	11JUL05	88	09NOV05	421		0.00	10,752.00
1351-541	VPI Supplies- Misc VPI supplies	13OCT05	88	23FEB06	379		0.00	11,832.00
1351-543	VPI Supplies- Disposable VPI HW	16SEP05	107	23FEB06	379		0.00	86,741.26
TF Braze Qualification								
1351-512	Prepare braze samples	11JUL05	15	29JUL05	449		0.00	8,401.60
1351-513	Develop brzae techniques	01AUG05	15	19AUG05	449		0.00	4,471.20
1351-514	Braze conductor samples	22AUG05	15	09SEP05	449		0.00	4,471.20
1351-515	Test brazed samples	12SEP05	15	30SEP05	449		0.00	8,401.60
Conductor Prep								
1351-547	Conductor Preparation	03OCT05	21	31OCT05	439		0.00	28,069.44
Coil Winding								
1351-549	Wind Coil #1	19JAN06	18	13FEB06	379		0.00	24,727.84
1351-551	Wind Coil #2	16MAR06	10	29MAR06	379		0.00	12,029.76
1351-553	Wind Coil #3	06APR06*	10	19APR06	374		0.00	12,029.76
1351-555	Wind Coil #4	20APR06	10	03MAY06	374		0.00	12,029.76
1351-557	Wind Coil #5	02OCT06*	10	13OCT06	269		0.00	12,307.68
1351-559	Wind Coil #6	16OCT06	10	27OCT06	269		0.00	0.00
1351-561	Wind Coil #7	30OCT06	10	10NOV06	306		0.00	12,307.68
1351-563	Wind Coil #8	13NOV06	10	28NOV06	306		0.00	0.00
1351-565	Wind Coil #9	29NOV06	10	12DEC06	306		0.00	0.00
1351-567	Wind Coil #10	13DEC06	10	03JAN07	306		0.00	0.00
1351-569	Wind Coil #11	04JAN07	10	17JAN07	306		0.00	0.00
1351-571	Wind Coil #12	18JAN07	10	31JAN07	306		0.00	0.00
1351-573	Wind Coil #13	01FEB07	10	14FEB07	315		0.00	0.00
1351-575	Wind Coil #14	15FEB07	10	28FEB07	315		0.00	0.00
1351-577	Wind Coil #15	01MAR07	10	14MAR07	315		0.00	0.00
1351-579	Wind Coil #16	15MAR07	10	28MAR07	315		0.00	0.00
1351-581	Wind Coil #17	29MAR07	10	11APR07	315		0.00	0.00
1351-583	Wind Coil #18	12APR07	10	25APR07	315		0.00	0.00
Ground Wrap & Mold Application								
1351-649	GW & Apply Mold Coil #1	14FEB06	8	23FEB06	379		0.00	13,366.40
1351-651	GW & Apply Mold Coil #2	30MAR06	6	06APR06	389		0.00	6,683.20
1351-653	GW & Apply Mold Coil #3	20APR06	6	27APR06	382		0.00	6,683.20
1351-655	GW & Apply Mold Coil #4	04MAY06	6	11MAY06	378		0.00	6,683.20



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PMB Schedule
xECP-30 Baseline
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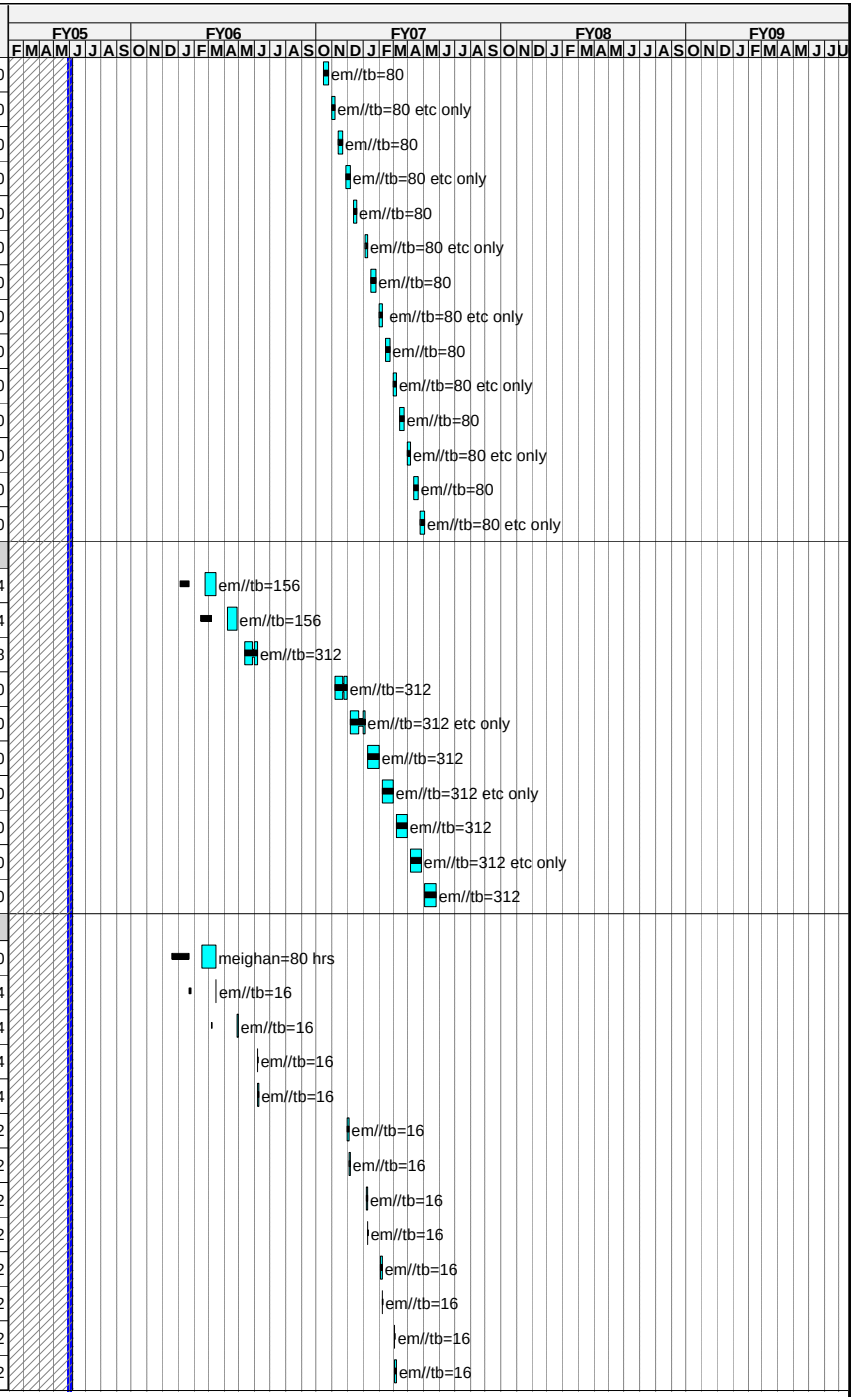
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
1351-657	GW & Apply Mold Coil #5	16OCT06	6	23OCT06	273		0.00	6,837.60
1351-659	GW & Apply Mold Coil #6	30OCT06	6	06NOV06	269		0.00	0.00
1351-661	GW & Apply Mold Coil #7	13NOV06	6	20NOV06	318		0.00	0.00
1351-663	GW & Apply Mold Coil #8	29NOV06	6	06DEC06	314		0.00	0.00
1351-665	GW & Apply Mold Coil #9	13DEC06	6	20DEC06	314		0.00	0.00
1351-667	GW & Apply Mold Coil #10	04JAN07	6	11JAN07	310		0.00	0.00
1351-669	GW & Apply Mold Coil #11	18JAN07	6	25JAN07	310		0.00	0.00
1351-671	GW & Apply Mold Coil #12	01FEB07	6	08FEB07	306		0.00	0.00
1351-673	GW & Apply Mold Coil #13	15FEB07	6	22FEB07	327		0.00	0.00
1351-675	GW & Apply Mold Coil #14	01MAR07	6	08MAR07	323		0.00	0.00
1351-677	GW & Apply Mold Coil #15	15MAR07	6	22MAR07	323		0.00	0.00
1351-679	GW & Apply Mold Coil #16	29MAR07	6	05APR07	319		0.00	0.00
1351-681	GW & Apply Mold Coil #17	12APR07	6	19APR07	319		0.00	0.00
1351-683	GW & Apply Mold Coil #18	26APR07	6	03MAY07	315		0.00	0.00
VPI								
1351-751	VPI Coil #1	24FEB06	14	15MAR06	379		0.00	13,032.24
1351-752	VPI Coil #2	07APR06	14	26APR06	389		0.00	13,032.24
1351-755	VPI Coil #3 & #4	12MAY06	16	05JUN06	378		0.00	26,064.48
1351-759	VPI Coil #5 & #6	07NOV06	16	30NOV06	269		0.00	0.00
1351-763	VPI Coil #7 & #8	07DEC06	16	05JAN07	314		0.00	0.00
1351-767	VPI Coil #9 & #10	12JAN07	16	02FEB07	310		0.00	0.00
1351-771	VPI Coil #11 & #12	09FEB07	16	02MAR07	306		0.00	0.00
1351-775	VPI Coil #13 & #14	09MAR07	16	30MAR07	323		0.00	0.00
1351-779	VPI Coil #15 & #16	06APR07	16	27APR07	319		0.00	0.00
1351-783	VPI Coil #17 & #18	04MAY07	16	25MAY07	315		0.00	0.00
Electrical Test (warm before casting instl))								
1351-848	Prep & setup for warm test	16FEB06	20	15MAR06	429		0.00	9,417.60
1351-849	Warm Test Coil #1	16MAR06	2	17MAR06	429		0.00	1,336.64
1351-851	Warm Test Coil #2	27APR06	2	28APR06	411		0.00	1,336.64
1351-853	Warm Test Coil #3	06JUN06	2	07JUN06	387		0.00	1,336.64
1351-855	Warm Test Coil #4	08JUN06	2	09JUN06	389		0.00	1,336.64
1351-857	Warm Test Coil #5	01DEC06	2	04DEC06	269		0.00	1,367.52
1351-859	Warm Test Coil #6	05DEC06	2	06DEC06	270		0.00	1,367.52
1351-861	Warm Test Coil #7	08JAN07	2	09JAN07	332		0.00	1,367.52
1351-863	Warm Test Coil #8	10JAN07	2	11JAN07	333		0.00	1,367.52
1351-865	Warm Test Coil #9	05FEB07	2	06FEB07	318		0.00	1,367.52
1351-867	Warm Test Coil #10	07FEB07	2	08FEB07	321		0.00	1,367.52
1351-869	Warm Test Coil #11	05MAR07	2	06MAR07	306		0.00	1,367.52
1351-871	Warm Test Coil #12	07MAR07	2	08MAR07	307		0.00	1,367.52



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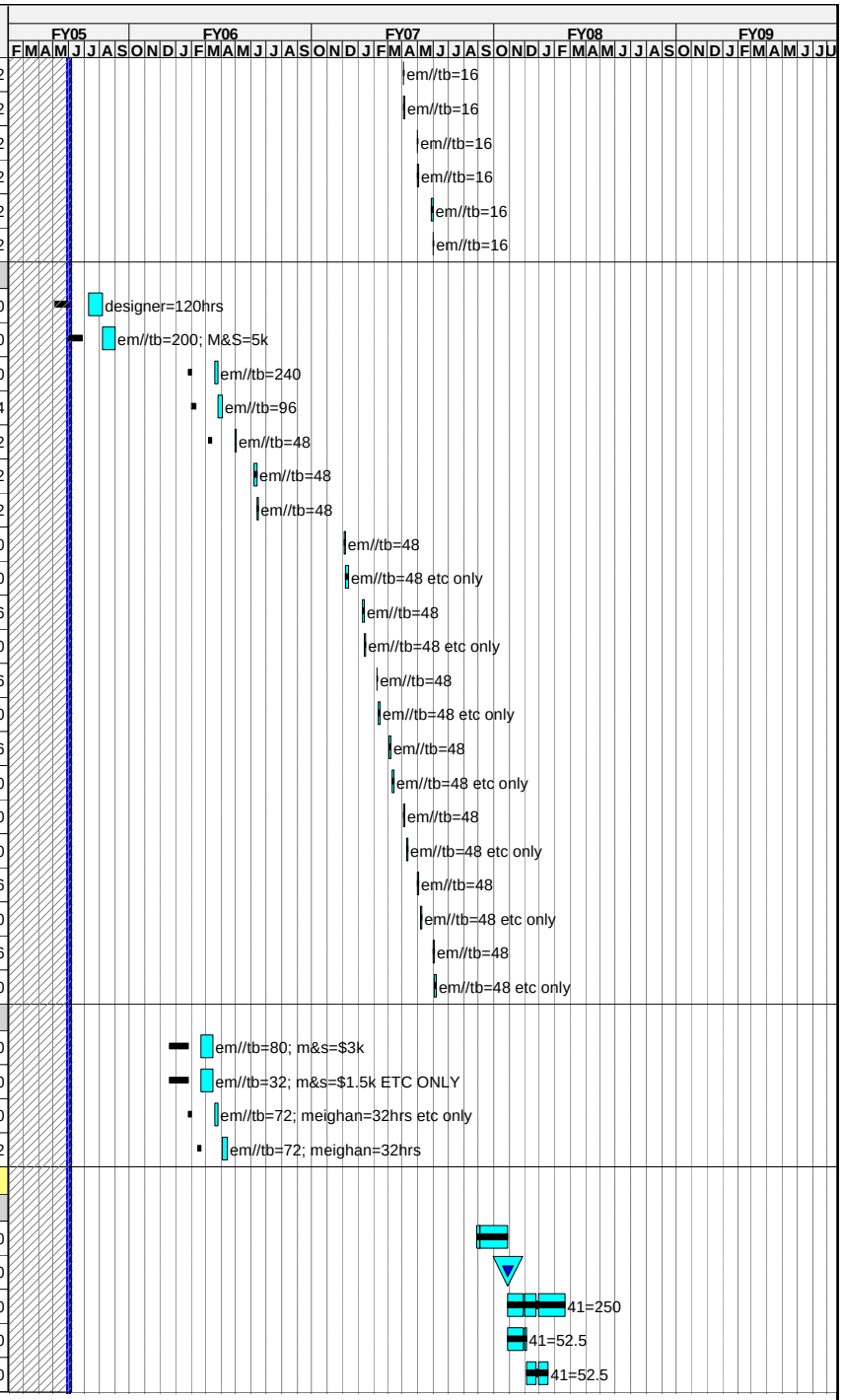
1351-873	Warm Test Coil #13	02APR07	2	03APR07	341		0.00	1,367.52
1351-875	Warm Test Coil #14	04APR07	2	05APR07	342		0.00	1,367.52
1351-877	Warm Test Coil #15	30APR07	2	01MAY07	327		0.00	1,367.52
1351-879	Warm Test Coil #16	02MAY07	2	03MAY07	330		0.00	1,367.52
1351-881	Warm Test Coil #17	29MAY07	2	30MAY07	315		0.00	1,367.52
1351-883	Warm Test Coil #18	31MAY07	2	01JUN07	316		0.00	1,367.52
Assemble TF Casting to TF coil								
1351-080	Design Assy Fixture	11JUL05	20	05AUG05	563		0.00	12,282.00
1351-086	Fab/Assemble Fixture	08AUG05	19	01SEP05	563		0.00	21,309.00
1351-088	Setup Wedge Casting Fixture & test	21MAR06	5	27MAR06	429		0.00	20,049.60
1351-110A	Assemble TF to Wedge Casting TF#1	28MAR06	6	04APR06	429		0.00	8,019.84
1351-115A	Assemble TF to Wedge Casting TF#2	01MAY06	3	03MAY06	411		0.00	4,009.92
1351-120A	Assemble TF to Wedge Casting TF#3	08JUN06	3	12JUN06	387		0.00	4,009.92
1351-125A	Assemble TF to Wedge Casting TF#4	13JUN06	3	15JUN06	388		0.00	4,009.92
1351-130A	Assemble TF to Wedge Casting TF#5	05DEC06	3	07DEC06	269		0.00	0.00
1351-135A	Assemble TF to Wedge Casting TF#6	08DEC06	3	12DEC06	269		0.00	0.00
1351-140A	Assemble TF to Wedge Casting TF#7	10JAN07	3	12JAN07	332		0.00	4,102.56
1351-145A	Assemble TF to Wedge Casting TF#8	15JAN07	3	17JAN07	332		0.00	0.00
1351-150A	Assemble TF to Wedge Casting TF#9	07FEB07	3	09FEB07	318		0.00	4,102.56
1351-155A	Assemble TF to Wedge Casting TF#10	12FEB07	3	14FEB07	320		0.00	0.00
1351-160A	Assemble TF to Wedge Casting TF#11	07MAR07	3	09MAR07	306		0.00	4,102.56
1351-165A	Assemble TF to Wedge Casting TF#12	12MAR07	3	14MAR07	306		0.00	0.00
1351-170A	Assemble TF to Wedge Casting TF#13	04APR07	3	06APR07	341		0.00	0.00
1351-175A	Assemble TF to Wedge Casting TF#14	09APR07	3	11APR07	341		0.00	0.00
1351-180A	Assemble TF to Wedge Casting TF#15	02MAY07	3	04MAY07	327		0.00	4,102.56
1351-185A	Assemble TF to Wedge Casting TF#16	07MAY07	3	09MAY07	329		0.00	0.00
1351-190A	Assemble TF to Wedge Casting TF#17	31MAY07	3	04JUN07	315		0.00	4,102.56
1351-195A	Assemble TF to Wedge Casting TF#18	05JUN07	3	07JUN07	315		0.00	0.00
Final Test (cold after casting installation)								
1351-901	Build Cryostat for teststand to hold TF coil	20FEB06	20	17MAR06	429		0.00	11,120.20
1351-902	Build lifting fixture	20FEB06	20	17MAR06	429		0.00	0.00
1351-905	Cold test #1 BEFORE casting applied	20MAR06	6	27MAR06	429		0.00	0.00
1351-910	Cold test #1 again AFTER casting applied	05APR06	6	12APR06	429		0.00	9,781.92
Job: 1352 - PF Coil Procurement-KALISH								
PF Coil Fabrication								
141-035	Bid & Award PF Coils	27AUG07*	45	29OCT07	124		0.00	0.00
141-036	PF Coils Awarded		0	29OCT07	124		0.00	0.00
1352-100	Material & leads	30OCT07	75	21FEB08	124		0.00	352,000.00
1352-110	Tooling for PF 4	30OCT07*	25	05DEC07	159		0.00	73,920.00
1352-115	Tooling for PF 5	06DEC07	25	17JAN08	159		0.00	73,920.00



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PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

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NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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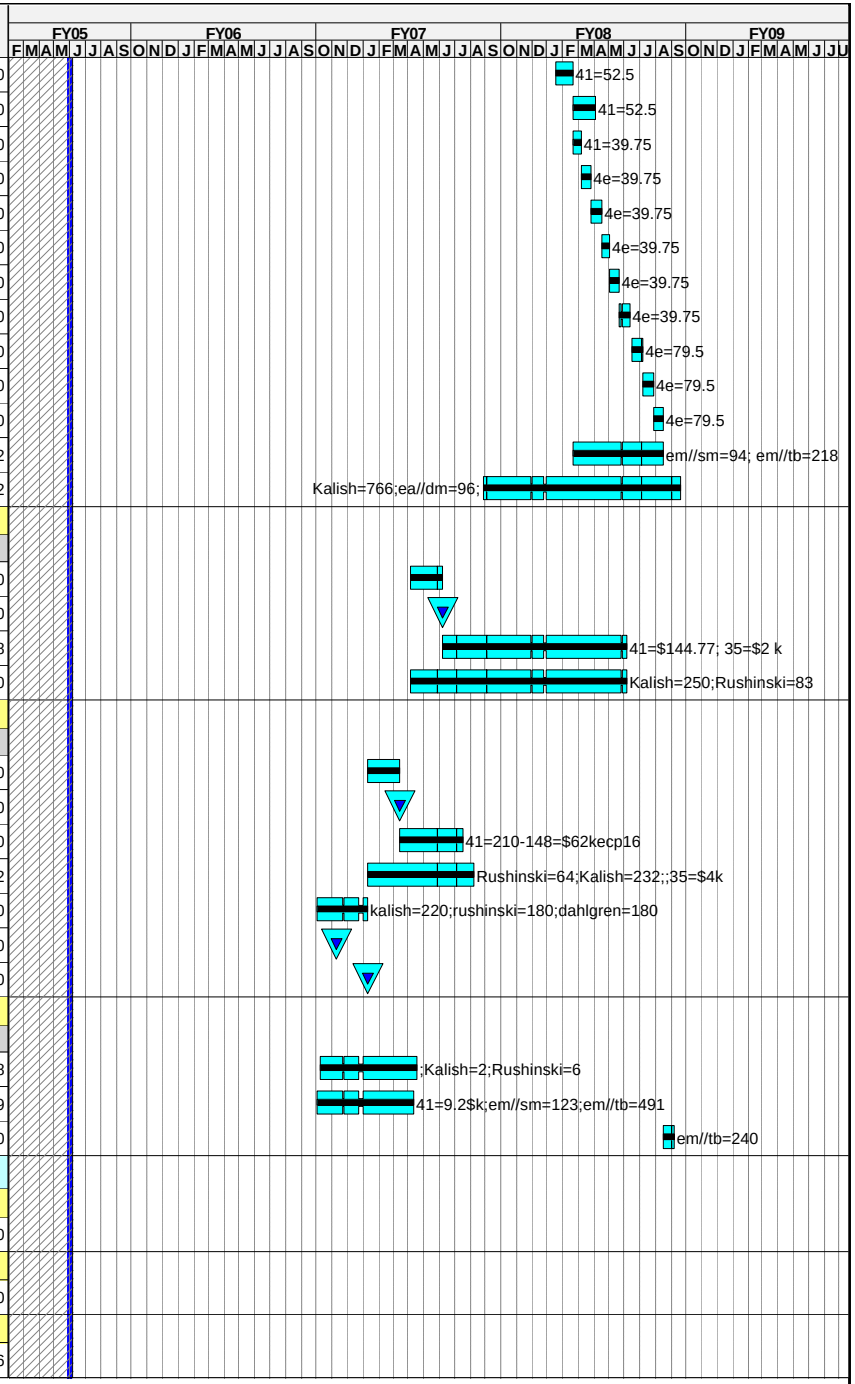
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
1352-120	Tooling for PF 6	18JAN08	25	21FEB08	174		0.00	73,920.00
1352-105	Tooling for PF 1,2 and 3	22FEB08	30	03APR08	174		0.00	73,920.00
1352-140	Fabricate/Dlvr PF 4 lower	22FEB08	10	06MAR08	124		0.00	55,968.00
1352-145	Fabricate/Dlvr PF 5 lower	07MAR08	15	27MAR08	124		0.00	41,817.00
1352-150	Fabricate/Dlvr PF 6 lower	28MAR08	15	17APR08	124		0.00	41,817.00
1352-155	Fabricate/Dlvr PF 4 upper	18APR08	10	01MAY08	124		0.00	41,817.00
1352-160	Fabricate/Dlvr PF 5 upper	02MAY08	15	22MAY08	124		0.00	41,817.00
1352-165	Fabricate/Dlvr PF 6 upper	23MAY08	15	13JUN08	124		0.00	41,817.00
1352-125	Fabricate/Dlvr PF 1 upper & lower	16JUN08	15	07JUL08	124		0.00	83,634.00
1352-130	Fabricate/Dlvr PF 2 upper & lower	08JUL08	15	28JUL08	124		0.00	83,634.00
1352-135	Fabricate/Dlvr PF 3 upper & lower	29JUL08	15	18AUG08	124		0.00	83,634.00
722.010	PF Coil receipt inspect/test (formerly wbs 183)	22FEB08	125*	18AUG08	124		0.00	31,033.22
141-031	Title III engr WBS 132	27AUG07*	268	19SEP08	268		0.00	167,206.12
Job: 1353 - CS Structure Procurement-KALISH								
CS Support Structure								
163-035	Bid & Award CS Support Struct	05APR07	45	07JUN07	175		0.00	0.00
163-036.9	Award CS Support Structure		0	07JUN07*	175		0.00	0.00
163-037	CS Support Structure Procurement/Fab	08JUN07*	249	05JUN08	175		0.00	206,456.08
163-015	Title III design CS sprt struc	05APR07	294	05JUN08	342		0.00	63,845.70
Job: 1354 - Trim Coil Procurement-KALISH								
Trim Coils								
184-035	Bid & Award Ext Trim Coils	11JAN07	45	14MAR07	148		0.00	0.00
184-036	Award External Trim Coils		0	14MAR07*	148		0.00	0.00
184-037	External Trim Coil Procurement/Fab*ecp16	15MAR07	87	17JUL07	148		0.00	85,870.00
184-015	Title III WBS 133 Rxt Trim Coils	11JAN07	147	07AUG07	549		0.00	62,862.72
1303-TRIM	Trim Coil Design	02OCT06*	65	10JAN07	148		0.00	108,935.60
1303-136	Trim Coil PDR		0	10NOV06	148		0.00	0.00
1303-137	Trim Coil FDR		0	10JAN07	148		0.00	0.00
Job: 1355 - WBS 13 I&C Proc & Coil Assy-KALISH								
TF/PF Loacl I&C								
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07	626		0.00	1,098.28
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	467		0.00	69,521.89
1355-100	CS and PF 1-3 Pre-Assy incl coil I&C procurement	19AUG08	15	09SEP08	124		0.00	21,252.00
14 - Modular Coils								
+ Job: 1401 - Mod Coil Prel.DsnCLOSED****								
		01APR03A	128	30SEP03A		100	303,040.00	303,040.00
+ Job: 1402 - Mod.Coil AnalysesCLOSED****								
		01APR03A	128	30SEP03A		100	239,140.00	239,140.00
+ Job:1404-MCWF R&D & 1st Prod CastingCLOSED****								
		01APR03A	443	31DEC04A		100	2,533,518.06	2,533,518.06



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PMB Schedule
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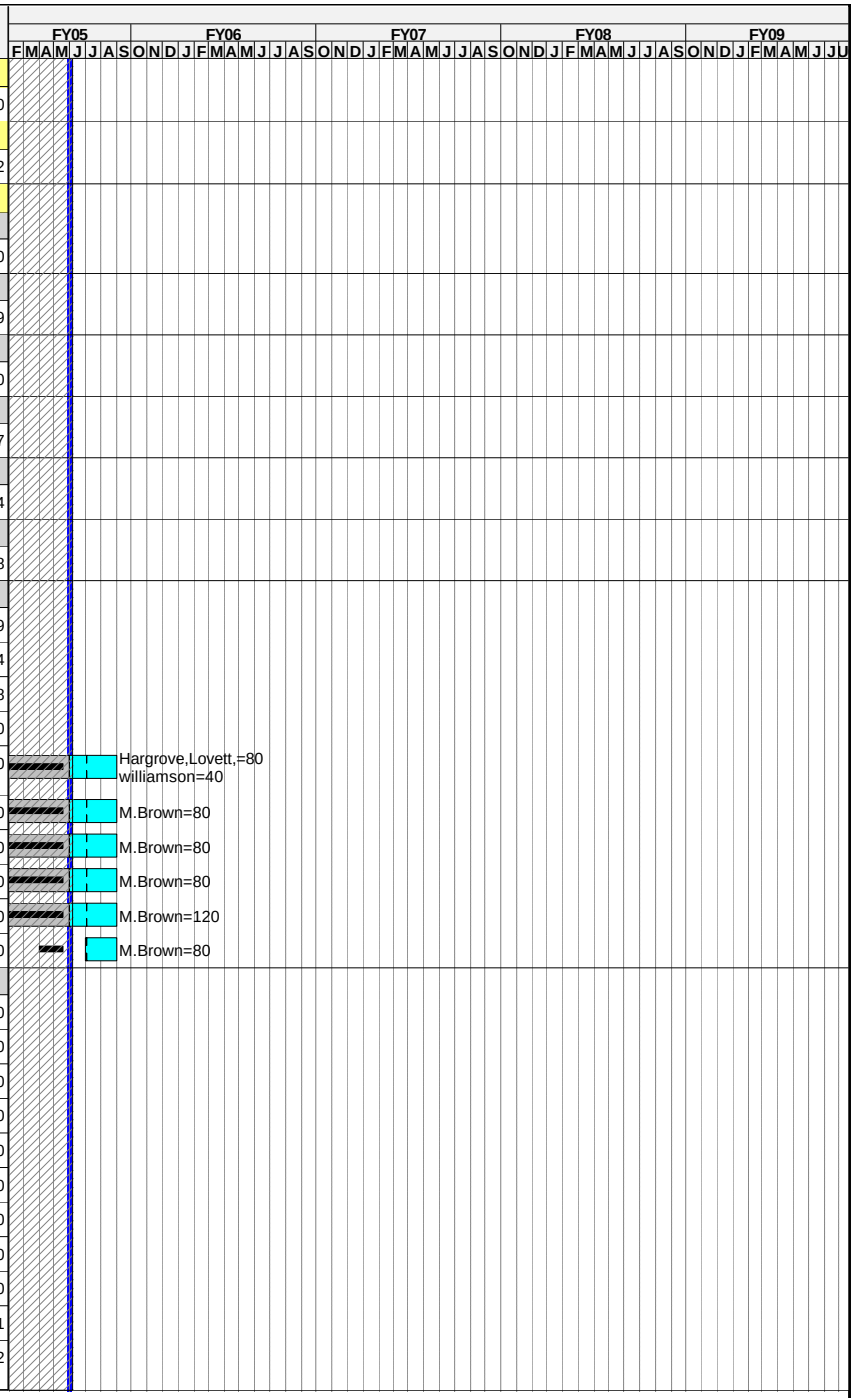
+ Job: 1405-Mod Coil Winding R&D Prep-CLOSED****								
		01APR03A	43	30MAY03A			168,070.00	168,070.00
+ Job: 1407 -Mod Coil Winding Facility-CLOSED****								
		01APR03A	419	30NOV04A			2,522,993.12	2,522,993.12
Job: 1403 - Modular Coil Final Design-WILLIAMSON								
+ PDR/PBR Prep								
		01OCT03A	61	24DEC03A		100	18,016.60	18,016.60
+ Requirements/Config and Interfaces								
		15OCT03A	160	28MAY04A		100	46,457.09	46,457.09
+ Analysis - Thermal & Electrical								
		15OCT03A	152	18MAY04A		100	39,639.40	39,639.40
+ Analysis - Structural								
		15OCT03A	152	18MAY04A		100	367,160.37	367,160.37
+ Winding Form FDR Prep								
		15OCT03A	236	16SEP04A		100	383,223.24	383,223.24
+ MCWF Procurement								
		01JUN04A	86	30SEP04A		100	45,223.48	45,223.48
Coil-to-coil Interface Design								
1403-11	Prepare assembly / interface drawings for ICDs	15OCT03A	268*	30SEP04A		100	9,304.29	9,304.29
1403-12	Finalize and approve all ICDs	01MAR04A	173*	30SEP04A		100	4,632.84	4,632.84
1403-15	Prepare winding form asm / detail drawings	03NOV03A	265*	30SEP04A		100	62,028.58	62,028.58
1403-48	Update design basis document	26APR04A	47*	30JUN04A		100	15,442.80	15,442.80
1403-11.1	Compl assembly / interface drawings for ICDs	01NOV04A	208*	31AUG05	1,037	50	15,500.00	31,000.00
1403-16	Assembly bolts, nuts,washers	01OCT04A	229*	31AUG05	374	60	7,440.00	12,400.00
1403-17	Assembly shims	01OCT04A	229*	31AUG05	374	60	7,440.00	12,400.00
1403-18	Eccentric ball assembly	08NOV04A	203*	31AUG05	374	60	7,440.00	12,400.00
1403-19	Top assembly dwgs for mod coil shell	01OCT04A	229*	31AUG05	1,037	50	9,300.00	18,600.00
1403-19A	Bladder Details	01JUL05*	43*	31AUG05	374		0.00	12,400.00
MCWF & Winding Analysis/Testing								
1403-ECP16	ecp16	01JUN04A	108*	30SEP04A		100	139,000.00	139,000.00
1403-FY04	Analysis fy04	01JUN04A	108*	30SEP04A		100	48,083.50	48,083.50
1403-27	Prepare thermal, electrical analysis report	02FEB04A	128*	30JUL04A		100	20,590.40	20,590.40
1403-27A	Update winding pack thermal/hydraulic analysis	01JUN04A	97*	30SEP04A		100	20,590.40	20,590.40
1403-40.3X	Modify MCWF Contract Documents & drawings	01AUG04A	43*	30SEP04A		100	20,590.40	20,590.40
1403-42	Complete FDR Struct Analysis Report	01JUN04A	108*	30SEP04A		100	29,867.60	29,867.60
1403-42B	Modify ORNL beam test setup provide torsional ld	01JUN04A	108*	30SEP04A		100	5,147.60	5,147.60
1403-42C	Revise analysis incorp final modeling changes	15JUL04A	77*	30SEP04A		100	34,552.80	34,552.80
1403-42E	Complete checking struct calculations	01AUG04A	65*	30SEP04A		100	17,697.60	17,697.60
1403-44	Prepare final drawings for winding forms, asm	01MAR04A	75*	30JUN04A		100	82,232.91	82,232.91
1403-45	Check and promote models / drawings	01MAR04A	97*	15JUL04A		100	120,456.72	120,456.72



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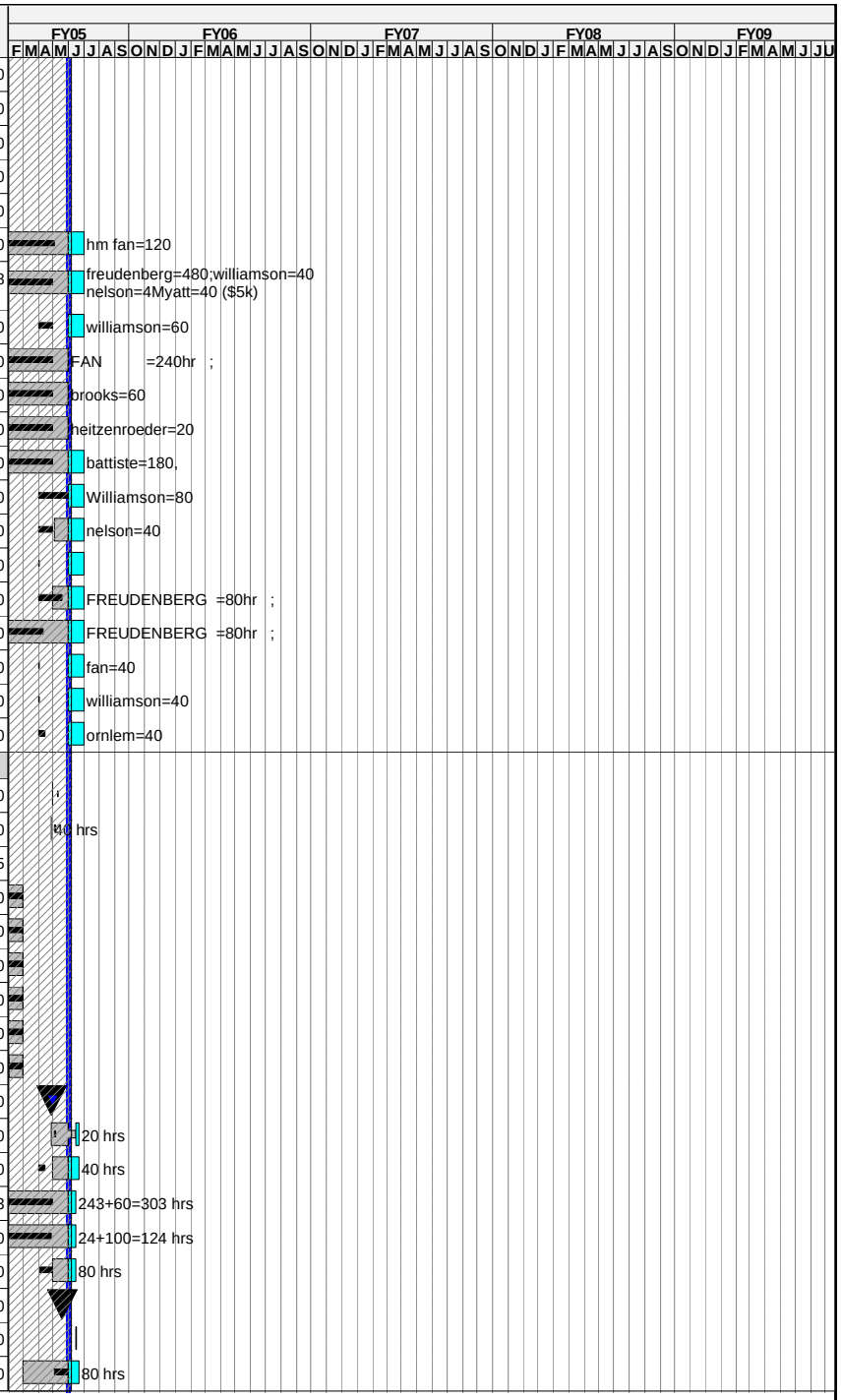
1403-46	Update build-to specification / SOW	01MAR04A	75*	30JUN04A		100	15,442.80	15,442.80
1403-70	Complete non-linear model revisions	01SEP04A	31	30SEP04A		100	0.00	0.00
1403-40.2X	Multifilament coils file incl leads	01OCT04A	41*	30NOV04A		100	6,200.00	6,200.00
1403-42G	WP beam FEA modeling	01NOV04A	21	30NOV04A		100	3,100.00	3,100.00
1403-47B	det boundary conditions single nonlinear windng	01DEC04A	22	31DEC04A		100	6,370.00	6,370.00
1403-90	Compile Material properties database	01OCT04A	186*	30JUN05	151	90	17,847.00	19,830.00
1403-40.2Z	Update nonlinear winding pack analysis	01AUG04A	229*	30JUN05	151	90	76,501.16	85,001.28
1403-42H	calculate EM loads at leads	01JUN05*	22*	30JUN05	151	60	5,580.00	9,300.00
1403-74	check analysis using simplified models	01OCT04A	165*	31MAY05A		100	39,660.00	39,660.00
1403-42D	Fracture fatigue analysis for MCWF	01NOV04A	144*	31MAY05A		100	9,915.00	9,915.00
1403-42D.0	Determine Fatigue properties	01NOV04A	144*	31MAY05A		100	3,305.00	3,305.00
1403-42F	Perform WP beam tests at ORNL	01NOV04A	165*	30JUN05	151	70	19,530.00	27,900.00
1403-47A	Update,review & approve FMECA	01JUN05*	22*	30JUN05	151	10	620.00	6,200.00
1403-42A	WP beam bending results documentation	02MAY05A	43*	30JUN05	151	30	1,860.00	6,200.00
1403-42A1	Document analysis of MCWF eddy currents	01JUN05*	22*	30JUN05	151		0.00	0.00
1403-73	Prep struct analysis report	01MAY05A	43*	30JUN05	151	30	6,051.20	12,400.00
1403-76	Structural analysis of leads	01OCT04A	186*	30JUN05	151	50	6,200.00	12,400.00
1403-47C	Perform cool-down/warmup analysis	01JUN05*	22*	30JUN05	151		0.00	6,610.00
1403-49A	Update tech sheets for new #of turns	01JUN05	22*	30JUN05	151		0.00	6,200.00
1403-50A	Check inductance calculation	01JUN05	22*	30JUN05	151		0.00	6,200.00
Winding and Assembly Design-Type C								
1403-20.01	ISSUE CLADDING DWGS FOR FAB	29APR05A	1	29APR05A			0.00	0.00
1403-20.04	Resolve FDR chits	25APR05A	5	25APR05A		100	6,200.00	6,200.00
1403-202	G-10 Filler DwgsType C ?????????????	01JAN04A	227*	30SEP04A		100	13,512.45	13,512.45
1403-203	Start Clamp Dwgs (5)-Type C	01JAN05A	20	28FEB05A		100	23,219.00	23,219.00
1403-206	Start Cooling, Electr Schematic Dwgs- Type C	01NOV04A	81*	28FEB05A		100	3,720.00	3,720.00
1403-208	Start I&C Dwgs -Type C	01NOV04A	139*	28FEB05A		100	1,860.00	1,860.00
1403-223	Start tp level coil assembly-Type C	01NOV04A	139*	28FEB05A		100	1,860.00	1,860.00
1403-224	Start PI mold assembly-Type C	01NOV04A	127*	28FEB05A		100	3,720.00	3,720.00
1403-60	Start Update design basis document	02FEB05A	80*	28FEB05A		100	1,240.00	1,240.00
1403-20A	Mod Coil Type C Cladding FDR		0	25APR05A		100	0.00	0.00
1403-20.00	Resolve FDR chits	25APR05A	5	20JUN05	159	70	2,170.00	3,100.00
1403-58X1	Check and promote cladding & terminal dwg-Type C	29APR05A	38*	22JUN05	157	90	5,580.00	6,200.00
1403-201	Leads start assy Dwgs (10)-Type C	01JAN04A	364*	13JUN05	164	90	38,503.73	42,781.93
1403-221	Lead ends assy-Type C	01NOV04A	152*	13JUN05	164	90	17,670.00	19,220.00
1403-58X2	Check and promote lead blocks	01MAY05A	30*	13JUN05	126	90	11,160.00	12,400.00
1403-500	Type C Lead Block FDR		0	18MAY05A		100	0.00	0.00
1403-502	Lead Block dwgs apprvd for fabrication	14JUN05	0*	13JUN05	126	90	0.00	0.00
1403-223C	Finish Top level coil assembly-Type C	01MAR05A	81*	22JUN05	157	50	6,200.00	12,400.00



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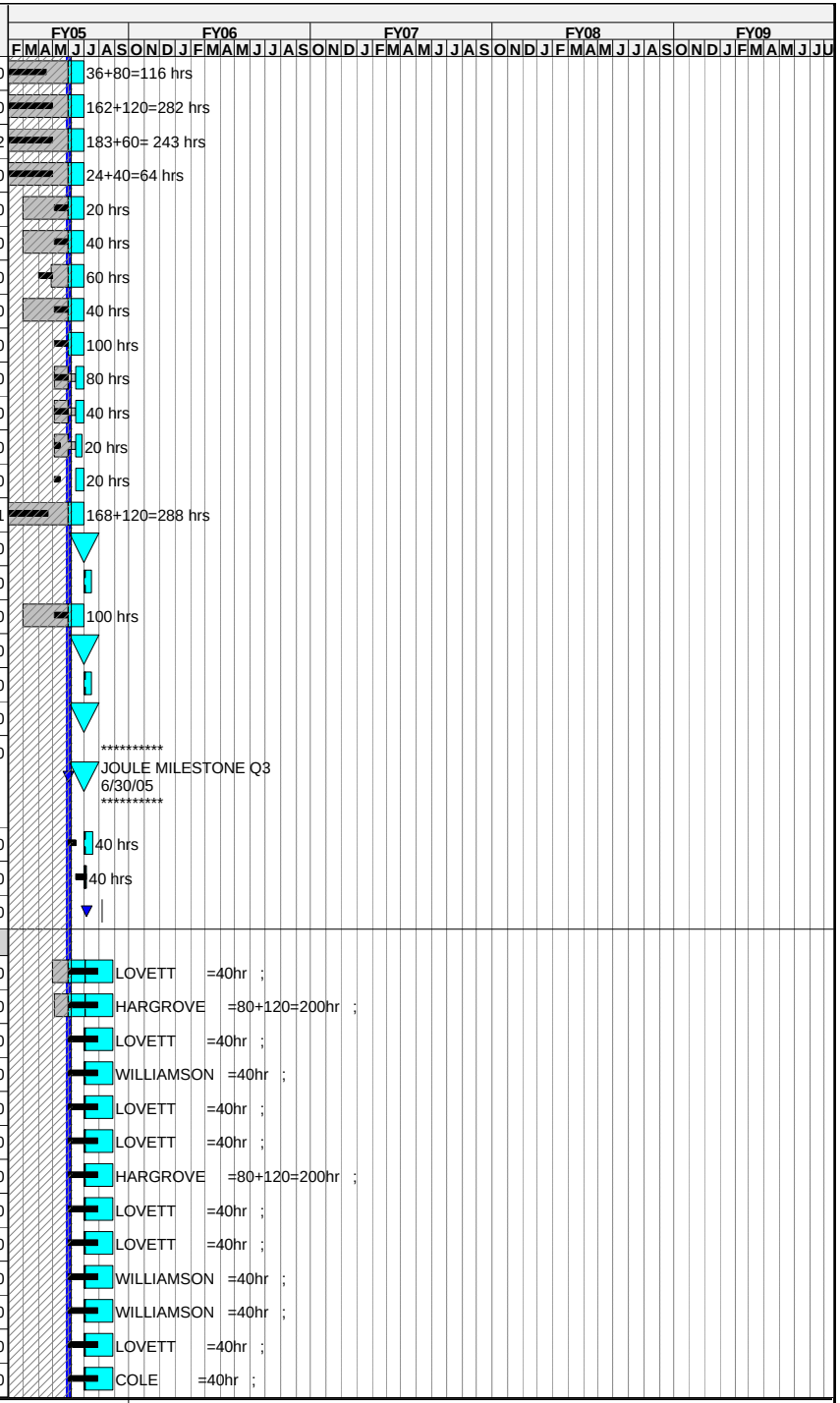
1403-219	MCWF assy-Type C	01OCT04A	185*	29JUN05	152	90	16,182.00	17,980.00
1403-220	Cladding assembly-Type C	01OCT04A	185*	29JUN05	152	90	39,339.00	43,710.00
1403-200	Side A/B winding pack assy-Type C	01JAN04A	376*	29JUN05	152	90	30,975.59	34,417.32
1403-222	Terminal / elec services assembly-Type C	01NOV04A	164*	29JUN05	152	90	8,928.00	9,920.00
1403-224C	Finish VPI mold assembly-Type C	01MAR05A	86*	29JUN05	152	30	930.00	3,100.00
1403-208C	Finish I&C Dwgs -Type C	01MAR05A	86*	29JUN05	152	30	1,860.00	6,200.00
1403-206.1	Cooling tubes/services assy- Type C	25APR05A	47*	29JUN05	152	50	4,650.00	9,300.00
1403-206C	Finish Cooling, Electr Schematic Dwgs - Type C	01MAR05A	86*	29JUN05	152	30	1,860.00	6,200.00
1403-58C	Check and promote clamp, I&C assy dwgs -Type C	01JUN05*	21*	29JUN05	152		0.00	15,500.00
1403-60C	Finish Update design basis document	02MAY05A	42*	29JUN05	152	30	3,720.00	12,400.00
1403-59	Type-C product specifications	02MAY05A	42*	29JUN05	174	30	1,860.00	6,200.00
1403-49	Update cost / schedule estimates	02MAY05A	10	27JUN05	176	30	930.00	3,100.00
1403-62	Prepare FDR documentation / presentations	14JUN05	12*	29JUN05	152		0.00	3,100.00
1403-204	Outer Chill Plate Dwgs -Type C	01SEP04A	206*	29JUN05	136	90	41,988.60	43,816.41
1403-504	Type C Chill Plate FDR		0	29JUN05*	136		0.00	0.00
1403-506	Chill plate dwgs approved for fabrication	30JUN05	11*	15JUL05	136		0.00	0.00
1403-203C	Finish Clamp Dwgs (5)-Type C	01MAR05A	86*	29JUN05	372	70	10,850.00	15,500.00
1403-508	Type C Clamp FDR		0	29JUN05*	372		0.00	0.00
1403-510	Clamp and assy dwgs approved for fabrication	30JUN05	11*	15JUL05	372		0.00	0.00
1403-512	TYPE C COMPREHENSIVE FDR		0	30JUN05*	151		0.00	0.00
1403-20B	Mod Coil Type C FDR's COMPLETE		0	30JUN05	173		0.00	0.00
1403-20.2	Resolve FDR chits	01JUL05*	11	18JUL05	162		0.00	6,200.00
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	01JUL05	4*	07JUL05	168		0.00	6,200.00
1403-20.1	Mod Coil Type C Fab Preparedness Review	08AUG05	1	08AUG05*	148		0.00	0.00
Winding and Assembly Design-Type A								
1403-319	MCWF studs,modifications-Type A	29APR05A	85*	29AUG05	122	30	1,860.00	6,200.00
1403-320	Cladding assembly-Type A	02MAY05A	84*	29AUG05	122	50	15,500.00	31,000.00
1403-301	Leads & crossover Dwgs (10)-Type A	01JUL05*	41*	29AUG05	122		0.00	6,200.00
1403-300	Winding pack assy Dwgs (8)-Type A	01JUL05*	41*	29AUG05	122		0.00	6,200.00
1403-321	Lead ends & closure-Type A	01JUL05*	41*	29AUG05	122		0.00	6,200.00
1403-322	Terminal assembly-Type A	01JUL05*	41*	29AUG05	122		0.00	6,200.00
1403-304	Chill Plate Dwgs (66)-Type A	01JUL05*	41*	29AUG05	122		0.00	31,000.00
1403-324	VPI mold assembly0-Type A	01JUL05*	41*	29AUG05	122		0.00	6,200.00
1403-303	Clamp Dwgs (5)-Type A	01JUL05*	41*	29AUG05	122		0.00	6,200.00
1403-306	Cooling, Electr Schematic Dwgs (1)-Type A	01JUL05*	41*	29AUG05	122		0.00	6,200.00
1403-308	I&C Dwgs (1) -Type A	01JUL05*	41*	29AUG05	122		0.00	6,200.00
1403-323	Top level coil assembly-Type A	01JUL05*	41*	29AUG05	122		0.00	6,200.00
1403-58A	Check and promote models / drawings -Type A	01JUL05*	41*	29AUG05	122		0.00	6,200.00



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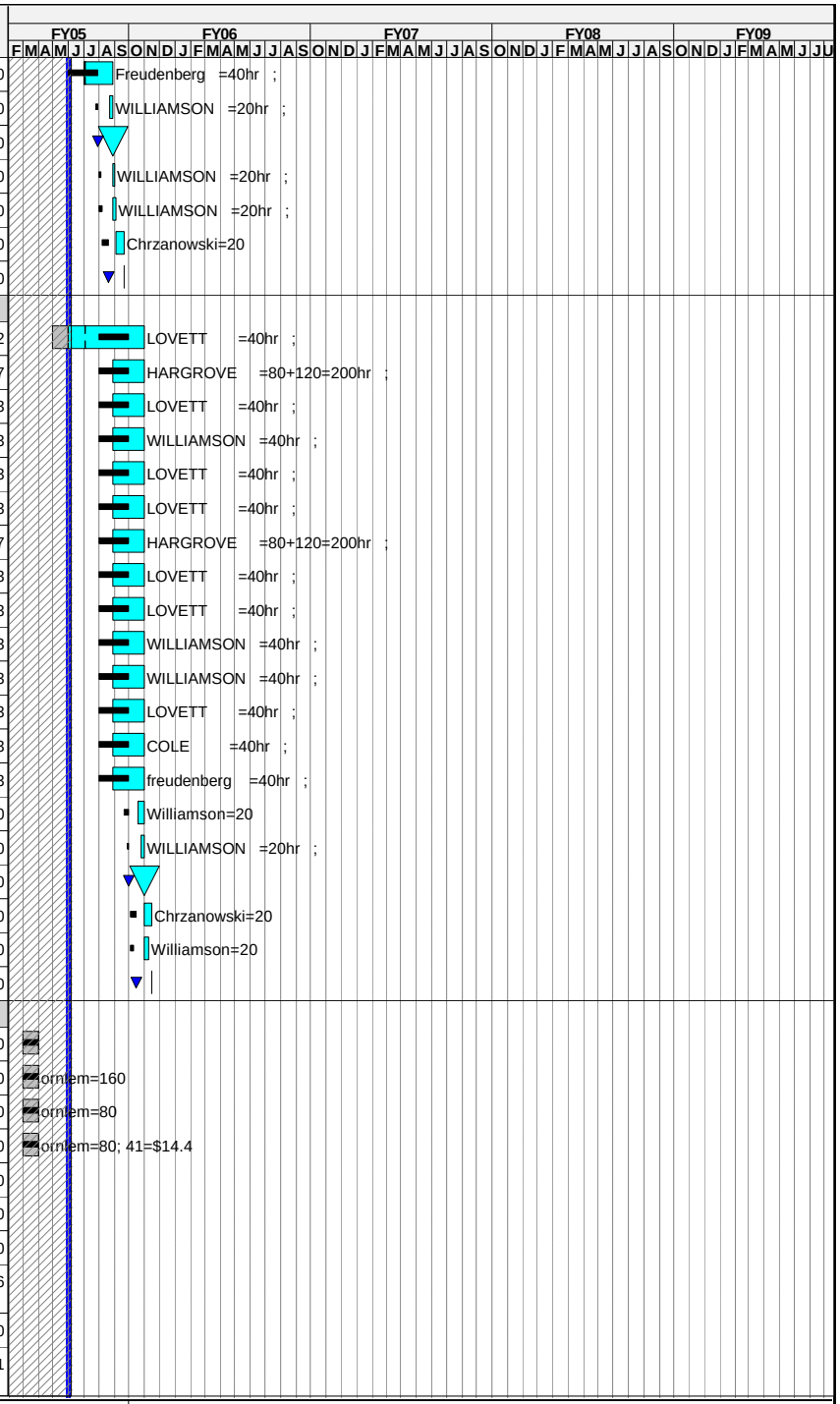
1403-904	Update cost/sched estimates&Design Basis doc.	01JUL05*	41*	29AUG05	122		0.00	6,200.00
1403-900	Prep FDR Documentation	23AUG05	5	29AUG05	122		0.00	3,100.00
1403-71	FDR Production Type A Mod Coil Winding		0	29AUG05*	122		0.00	0.00
1403-901	Resolve FDR comments	30AUG05	3	01SEP05	168		0.00	3,100.00
1403-902	Type A product specification	30AUG05*	5	05SEP05	156		0.00	3,100.00
1403-71.05	Update MIT/QA Plans for Type A Winding Fab	06SEP05*	10	19SEP05	156		0.00	3,100.00
1403-71.1	Fab Readiness Review - Production Type A	20SEP05	1	20SEP05*	156		0.00	0.00
Winding and Assembly Design-Type B								
1403-419	MCWF studs,modifications-Type B	29APR05A	130*	31OCT05	183	30	1,886.56	6,288.52
1403-420	Cladding assembly-Type B	30AUG05*	45	31OCT05	183		0.00	32,278.67
1403-401	Leads & crossover Dwgs (10)-Type B	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-400	Winding pack assy Dwgs (8)-Type B	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-421	Lead ends & closure-Type B	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-422	Terminal assembly-Type B	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-404	Chill Plate Dwgs (66)-TypeB	30AUG05*	45	31OCT05	183		0.00	32,278.67
1403-424	VPI mold assembly0-Type B	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-403	Clamp Dwgs (5)-Type B	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-406	Cooling, Electr Schematic Dwgs (1)-Type B	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-408	I&C Dwgs (1) -Type B	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-423	Top level coil assembly-Type B	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-58B	Check and promote models / drawings -Type B	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-80	Update design basis doc & cost sched est	30AUG05*	45	31OCT05	183		0.00	6,455.73
1403-72.06	Update build-to spec	18OCT05	10	31OCT05	183		0.00	3,671.40
1403-81	Prepare FDR doc	25OCT05	5	31OCT05	183		0.00	3,374.00
1403-72	Final Design Review Production Type B		0	31OCT05*	183		0.00	0.00
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	01NOV05	10	14NOV05	222		0.00	3,671.40
1403-72.07	Resolve FDR comments	01NOV05	5	07NOV05	227		0.00	3,671.40
1403-72.1	Fab Readiness Review - Production Type B	15NOV05	1	15NOV05*	222		0.00	0.00
Twisted Racetrack Design (Williamson)								
1403-062	Trial winding analysis & shim rqmnts	01MAR05A	20	31MAR05A		100	0.00	0.00
1403-065	Cooling redesign and analysis	01MAR05A	20	31MAR05A		100	24,800.00	24,800.00
1403-066	Clamp modifications Dwgs	01MAR05A	20	31MAR05A		100	12,400.00	12,400.00
1403-068	TRC I&C	01MAR05A	20	31MAR05A		100	30,846.40	30,846.40
1406-097	Verify Conductor Dims	01OCT03A	3	03OCT03A		100	2,573.80	2,573.80
1406-098	Complete Drawings of Casting	13OCT03A	21	26NOV03A		100	15,442.80	15,442.80
1406-099	Review/Approve Casting Drawings	26NOV03A	10	26NOV03A		100	15,442.80	15,442.80
1406-101	Prepare Clamp & Chill Plate detail Drawings	14MAY04A	99*	30SEP04A		100	50,703.86	50,703.86
1406-101.1	Winding block dwgs for prototype leads?????????	01JUN04A	87*	30SEP04A		100	20,590.40	20,590.40
1406-102	Review/Approve Clamp& Chill Plate Dwgs	01JUN04A	107*	29OCT04A		100	22,487.41	22,487.41



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PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

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NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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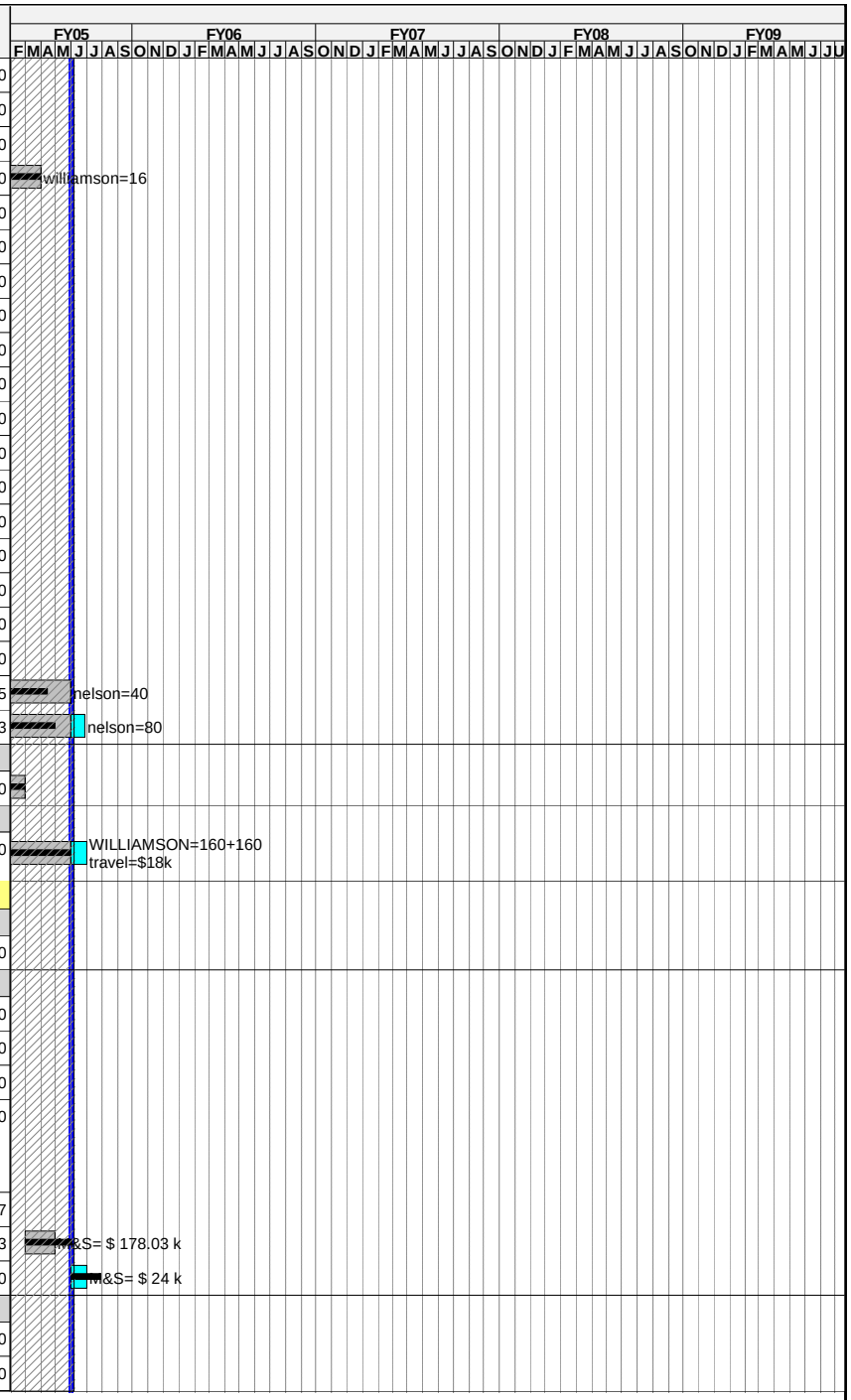
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
1406-103.0	Prep MIT plan	01OCT04A	0*	15OCT04A		100	2,644.00	2,644.00
1406-103.1	Prepare for Twisted Racetrack FDR	01SEP04A	42*	29OCT04A		100	17,021.40	17,021.40
1406-103.2	Twisted Racetrack FDR		0	15OCT04A		100	0.00	0.00
1406-103.3	Resolve TRC FDR Issues	01NOV04A	100*	31MAR05A		100	2,480.00	2,480.00
1406-105	Prepare ANSYS thermal analysis model	31OCT03A	3	31OCT03A		100	2,573.80	2,573.80
1406-106	Analyze Thermal Behavior due to pulse	31OCT03A	3	31OCT03A		100	2,573.80	2,573.80
1406-107	Calculate EM Loads due to max current	03NOV03A	3	26NOV03A		100	5,147.60	5,147.60
1406-108	Prep MECHANICA Struct Analysis Model	03NOV03A	3	26NOV03A		100	5,147.60	5,147.60
1406-109	Analyze Stress/deflection due to cooldown,pulse	01SEP04A	5*	30SEP04A		100	5,147.60	5,147.60
1406-111	Write papers and present at conferences	01SEP04A	241*	30SEP04A		100	30,885.60	30,885.60
1406-150	Winding pack assy	01OCT04A	0*	29OCT04A		100	1,240.00	1,240.00
1406-151	Lead ends & closure	01OCT04A	21*	29OCT04A		100	1,240.00	1,240.00
1406-152	Terminal Assy	01OCT04A	21*	29OCT04A		100	1,240.00	1,240.00
1406-153	VPI mold assy	01OCT04A	21*	29OCT04A		100	1,240.00	1,240.00
1406-154	Clamp assy	01OCT04A	21*	29OCT04A		100	1,240.00	1,240.00
1406-155	Cooling ,electr schematics	01OCT04A	21*	29OCT04A		100	1,240.00	1,240.00
1406-156	I&C dwgs	01OCT04A	21*	29OCT04A		100	1,240.00	1,240.00
1406-157	Build to specification	01NOV04A	67*	23DEC04A		100	2,480.00	2,480.00
1406-104	Prepare Draft of Coil Test Plan	01OCT03A	416*	31MAY05A		100	5,562.95	5,562.95
1406-110	Finalize, Approve coil test plan	01DEC03A	391*	27JUN05	165	75	8,456.20	11,274.93
Prior Costs								
1403-ECPRB	Rebaselining YTD adjustment for ytd cv	01OCT04A	108*	28FEB05A		100	154,400.00	154,400.00
TITLE2TRC	Titel III Design-TRC FAB	24JAN05A	91	29JUN05	1,075	LOE	61,189.33	79,570.00
Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI								
Prior Costs								
1408-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64	30SEP03A		100	29,790.00	29,790.00
Copper Conductor								
1408-141	Copper Conductor -Spec & Requisition	02AUG04A	3	27AUG04A		100	2,472.00	2,472.00
1408-142	Copper Conductor -Prep & Issue RFQ/RFP	30AUG04A	23*	30SEP04A		100	0.00	0.00
1408-143	Copper Conductor -Evaluate Bids & Award	30SEP04A	5	30SEP04A		100	0.00	0.00
1408-143.1	Mod Coil Copper Conductor Awarded		0	01OCT04A		100	0.00	0.00
1408-147	Copper Conductor -Delivery #1 PE005371	01OCT04A	63*	23DEC04A		100	12,002.97	12,002.97
1408-145	Copper Conductor -Delivery #2 PE005371	01MAR05A	66*	29APR05A		100	228,056.43	228,056.43
1408-146	Add'l Copper Conductor f/trial winding PE005371	01JUN05*	23*	01JUL05	1,079	35	0.00	30,744.00
Insulation for conductor								
1408-101	Insulation-Spec & Requisition	09JUL04A	3*	13JUL04A		100	0.00	0.00
1408-103	Insulation-Prep & Issue RFQ/RFP	01AUG04A	10	20AUG04A		100	0.00	0.00



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PMB Schedule
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Progress Bar
Critical Activity

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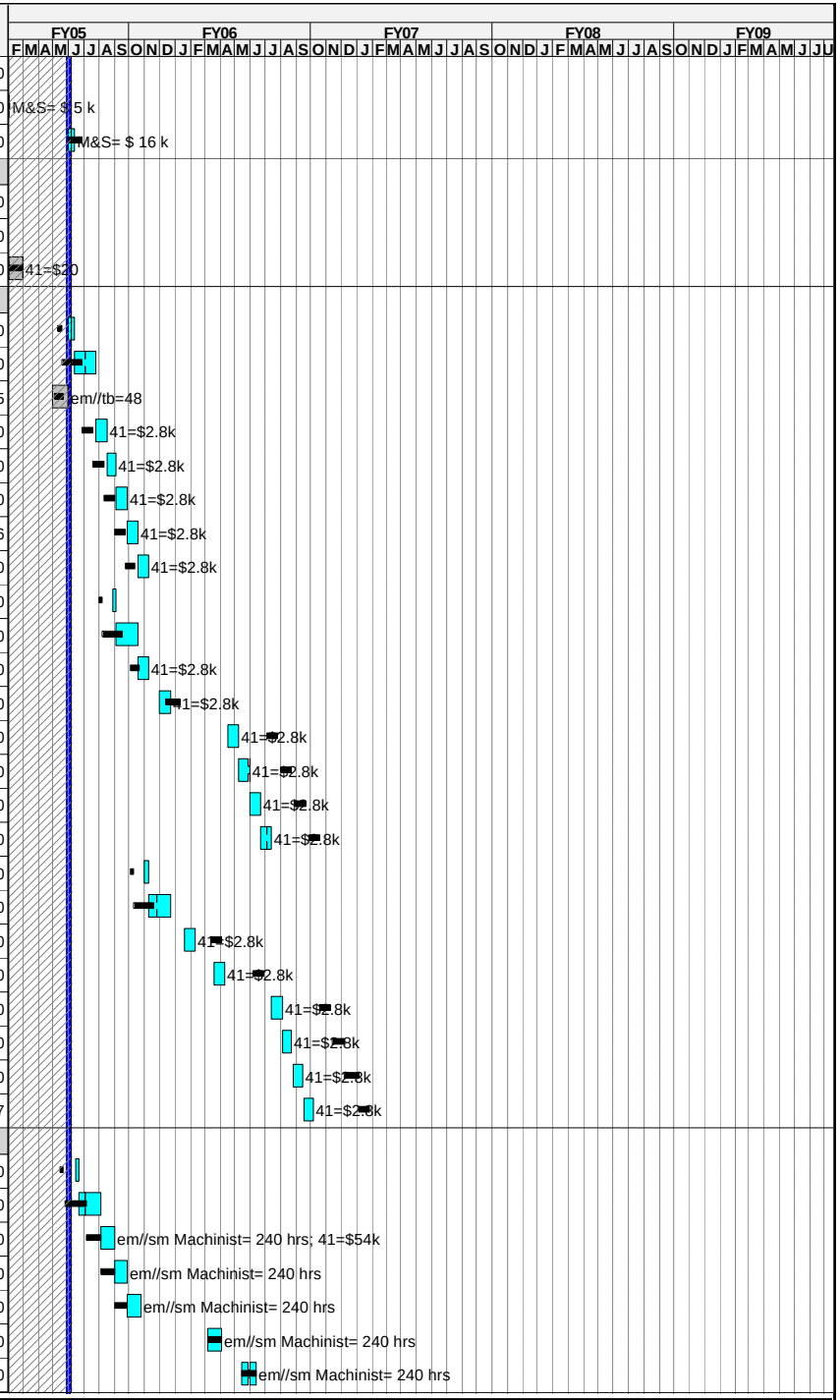
1408-104	Insulation-Evaluate Bids & Award	23AUG04A	5	31AUG04A	100		0.00	0.00
1408-107	Insulation-Initial Delivery for Production	31JAN05A	11	31JAN05A	100		6,405.00	6,405.00
1408-108	Insulation-Delivery incl add'l f/trial winding	01JUN05*	8*	10JUN05	1,094		0.00	20,496.00
Groundwrap Insulation								
1408-110	Grndwrap Insulation-Spec & Requisition	03JAN05A	3	31JAN05A	100		0.00	0.00
1408-112	Grndwrap-Bid & Award	03JAN05A	3	31JAN05A	100		0.00	0.00
1408-112.1	Grndwrap-Delivery	31JAN05A	37*	28FEB05A	100		25,620.00	25,620.00
Cladding								
1408-501	Submet Requisition for Type C Cladding	01JUN05	8*	10JUN05	142		0.00	0.00
1408-503	Bid and Award Type C Cladding	13JUN05	30	25JUL05	142		0.00	0.00
1408-505	PPPL Fabr Cladding Type C for Coil c1	01MAY05A	15	31MAY05A			3,586.65	3,586.65
1408-507	Fabr Cladding Type C for Coil c2	26JUL05	15	15AUG05	142		0.00	3,586.80
1408-509	Fabr Cladding Type C for Coil c3	16AUG05	15	05SEP05	182		0.00	3,586.80
1408-511	Fabr Cladding Type C for Coil c4	06SEP05	15	26SEP05	222		0.00	3,586.80
1408-513	Fabr Cladding Type C for Coil c5	27SEP05	15	17OCT05	258		0.00	3,993.36
1408-515	Fabr Cladding Type C for Coil c6	18OCT05	15	07NOV05	274		0.00	4,141.20
1408-517	Submet Requisition for Type A Cladding	30AUG05	5	05SEP05	122		0.00	0.00
1408-519	Bid and Award Type A Cladding	06SEP05	30	17OCT05	122		0.00	0.00
1408-521	Fabr Cladding Type A for Coil a1	18OCT05	15	07NOV05	122		0.00	4,141.20
1408-523	Fabr Cladding Type A for Coil a2	01DEC05	15	21DEC05	145		0.00	4,141.20
1408-525	Fabr Cladding Type A for Coil a3	19APR06	15	09MAY06	206		0.00	4,141.20
1408-527	Fabr Cladding Type A for Coil a4	10MAY06	15	31MAY06	206		0.00	4,141.20
1408-529	Fabr Cladding Type A for Coil a5	01JUN06	15	21JUN06	247		0.00	4,141.20
1408-531	Fabr Cladding Type A for Coil a6	22JUN06	15	13JUL06	248		0.00	4,141.20
1408-533	Submet Requisition for Type B Cladding	01NOV05	5	07NOV05	183		0.00	0.00
1408-535	Bid and Award Type B Cladding	08NOV05	30	21DEC05	183		0.00	0.00
1408-537	Fabr Cladding Type B for Coil b1	20JAN06	15	09FEB06	168		0.00	4,141.20
1408-539	Fabr Cladding Type B for Coil b2	22MAR06	15	11APR06	186		0.00	4,141.20
1408-541	Fabr Cladding Type B for Coil b3	14JUL06	15	03AUG06	280		0.00	4,141.20
1408-543	Fabr Cladding Type B for Coil b4	04AUG06	15	24AUG06	280		0.00	4,141.20
1408-545	Fabr Cladding Type B for Coil b5	28AUG06	15	15SEP06	322		0.00	4,141.20
1408-547	Fabr Cladding Type B for Coil b6	18SEP06	15	06OCT06	326		0.00	4,053.47
Lead hardware & Fillers								
1408-701	Submet Requisition for Type C Lead HW	14JUN05	5	20JUN05	126		0.00	0.00
1408-703	Bid and Award Type C Lead HW	21JUN05	30	02AUG05	126		0.00	0.00
1408-705	Fabr Lead HW Type C for Coil c1	03AUG05	20	30AUG05	126		0.00	94,378.80
1408-707	Fabr Lead HW Type C for Coil c2	31AUG05	20	27SEP05	126		0.00	25,204.80
1408-709	Fabr Lead HW Type C for Coil c3	28SEP05	20	25OCT05	161		0.00	27,795.60
1408-711	Fabr Lead HW Type C for Coil c4	08MAR06	20	04APR06	110		0.00	28,252.80
1408-713	Fabr Lead HW Type C for Coil c5	15MAY06	20	12JUN06	110		0.00	28,252.80



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PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

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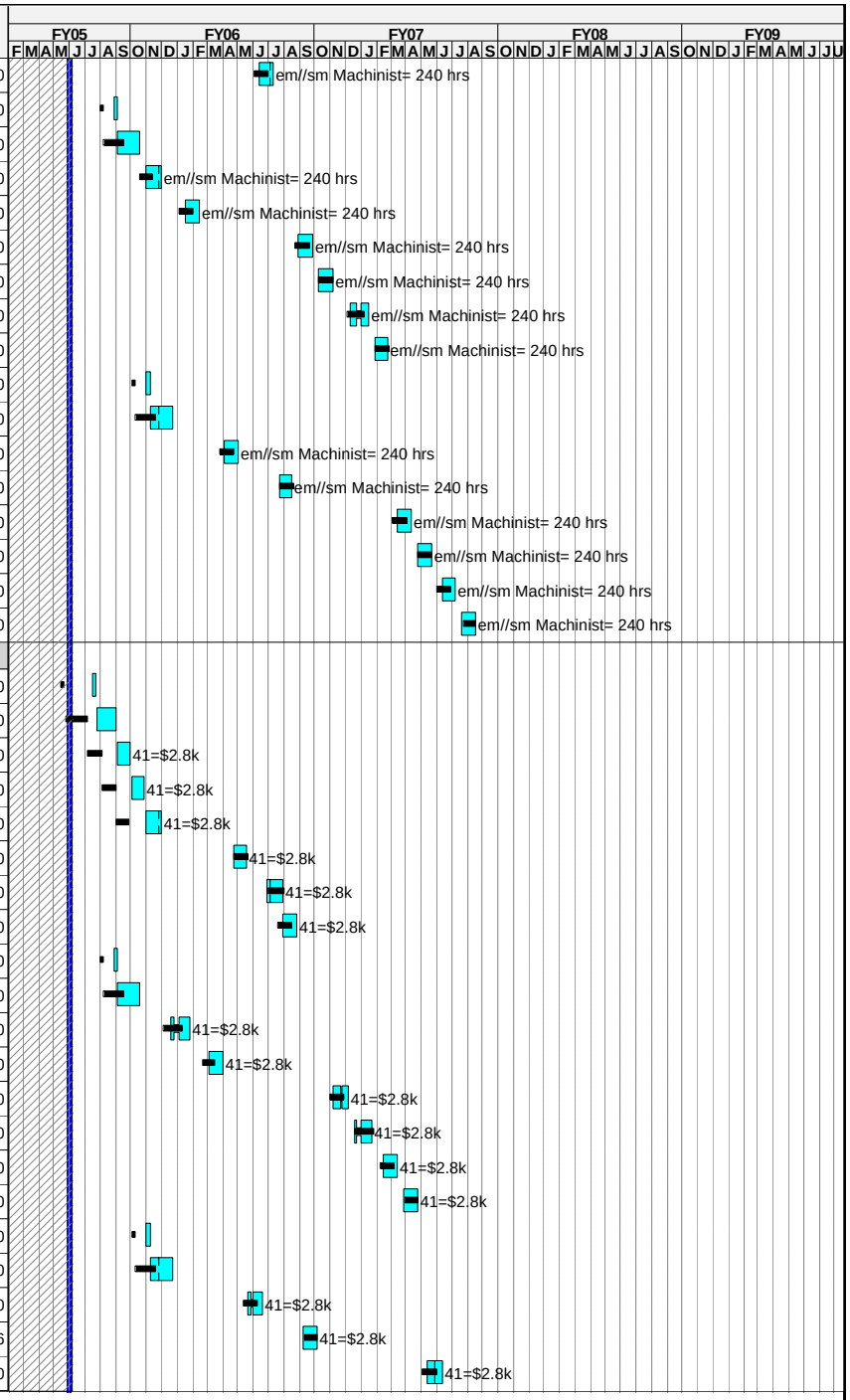
1408-715	Fabr Lead HW Type C for Coil c6	13JUN06	20	11JUL06	128		0.00	28,252.80
1408-717	Submet Requisition for Type A Lead HW	30AUG05	5	05SEP05	137		0.00	0.00
1408-719	Bid and Award Type A Lead HW	06SEP05	30	17OCT05	137		0.00	0.00
1408-721	Fabr Lead HW Type A for Coil a1	01NOV05	20	30NOV05	127		0.00	28,252.80
1408-723	Fabr Lead HW Type A for Coil a2	18JAN06	20	14FEB06	127		0.00	28,252.80
1408-725	Fabr Lead HW Type A for Coil a3	31AUG06	20	27SEP06	127		0.00	28,252.80
1408-727	Fabr Lead HW Type A for Coil a4	10OCT06	20	06NOV06	109		0.00	28,905.60
1408-729	Fabr Lead HW Type A for Coil a5	12DEC06	20	16JAN07	128		0.00	28,905.60
1408-731	Fabr Lead HW Type A for Coil a6	29JAN07	20	23FEB07	110		0.00	28,905.60
1408-733	Submet Requisition for Type B Lead HW	01NOV05	5	07NOV05	196		0.00	0.00
1408-735	Bid and Award Type B Lead HW	08NOV05	30	21DEC05	196		0.00	0.00
1408-737	Fabr Lead HW Type B for Coil b1	05APR06	20	02MAY06	128		0.00	28,252.80
1408-739	Fabr Lead HW Type B for Coil b2	24JUL06	20	18AUG06	110		0.00	28,252.80
1408-741	Fabr Lead HW Type B for Coil b3	15MAR07	20	11APR07	129		0.00	28,905.60
1408-743	Fabr Lead HW Type B for Coil b4	24APR07	20	21MAY07	111		0.00	28,905.60
1408-745	Fabr Lead HW Type B for Coil b5	12JUN07	20	09JUL07	135		0.00	28,905.60
1408-747	Fabr Lead HW Type B for Coil b6	20JUL07	20	16AUG07	126		0.00	28,905.60
Chill Plates								
1408-601	Submet Requisition for Type C Chill Plts	18JUL05	5	22JUL05	136		0.00	0.00
1408-603	Bid and Award Type C Chill Plts	25JUL05	30	02SEP05	136		0.00	0.00
1408-605	Fabr Chill Plts Type C for Coil c1	05SEP05	20	30SEP05	136		0.00	3,586.80
1408-607	Fabr Chill Plts Type C for Coil c2	03OCT05	20	28OCT05	136		0.00	4,141.20
1408-609	Fabr Chill Plts Type C for Coil c3	31OCT05	20	29NOV05	171		0.00	4,141.20
1408-611	Fabr Chill Plts Type C for Coil c4	24APR06	20	19MAY06	110		0.00	4,141.20
1408-613	Fabr Chill Plts Type C for Coil c5	30JUN06	20	28JUL06	110		0.00	4,141.20
1408-615	Fabr Chill Plts Type C for Coil c6	31JUL06	20	25AUG06	128		0.00	4,141.20
1408-617	Submet Requisition for Type A Chill Plts	30AUG05	5	05SEP05	170		0.00	0.00
1408-619	Bid and Award Type A Chill Plts	06SEP05	30	17OCT05	170		0.00	0.00
1408-621	Fabr Chill Plts Type A for Coil a1	20DEC05	20	24JAN06	127		0.00	4,141.20
1408-623	Fabr Chill Plts Type A for Coil a2	06MAR06	20	31MAR06	128		0.00	4,141.20
1408-625	Fabr Chill Plts Type A for Coil a3	08NOV06	20	07DEC06	127		0.00	3,878.00
1408-627	Fabr Chill Plts Type A for Coil a4	20DEC06	20	24JAN07	109		0.00	3,878.00
1408-629	Fabr Chill Plts Type A for Coil a5	16FEB07	20	15MAR07	129		0.00	3,878.00
1408-631	Fabr Chill Plts Type A for Coil a6	28MAR07	20	24APR07	111		0.00	3,878.00
1408-633	Submet Requisition for Type B Chill Plts	01NOV05	5	07NOV05	229		0.00	0.00
1408-635	Bid and Award Type B Chill Plts	08NOV05	30	21DEC05	229		0.00	0.00
1408-637	Fabr Chill Plts Type B for Coil b1	22MAY06	20	19JUN06	128		0.00	4,141.20
1408-639	Fabr Chill Plts Type B for Coil b2	08SEP06	20	05OCT06	109		0.00	4,088.56
1408-641	Fabr Chill Plts Type B for Coil b3	14MAY07	20	11JUN07	129		0.00	3,878.00



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PMB Schedule
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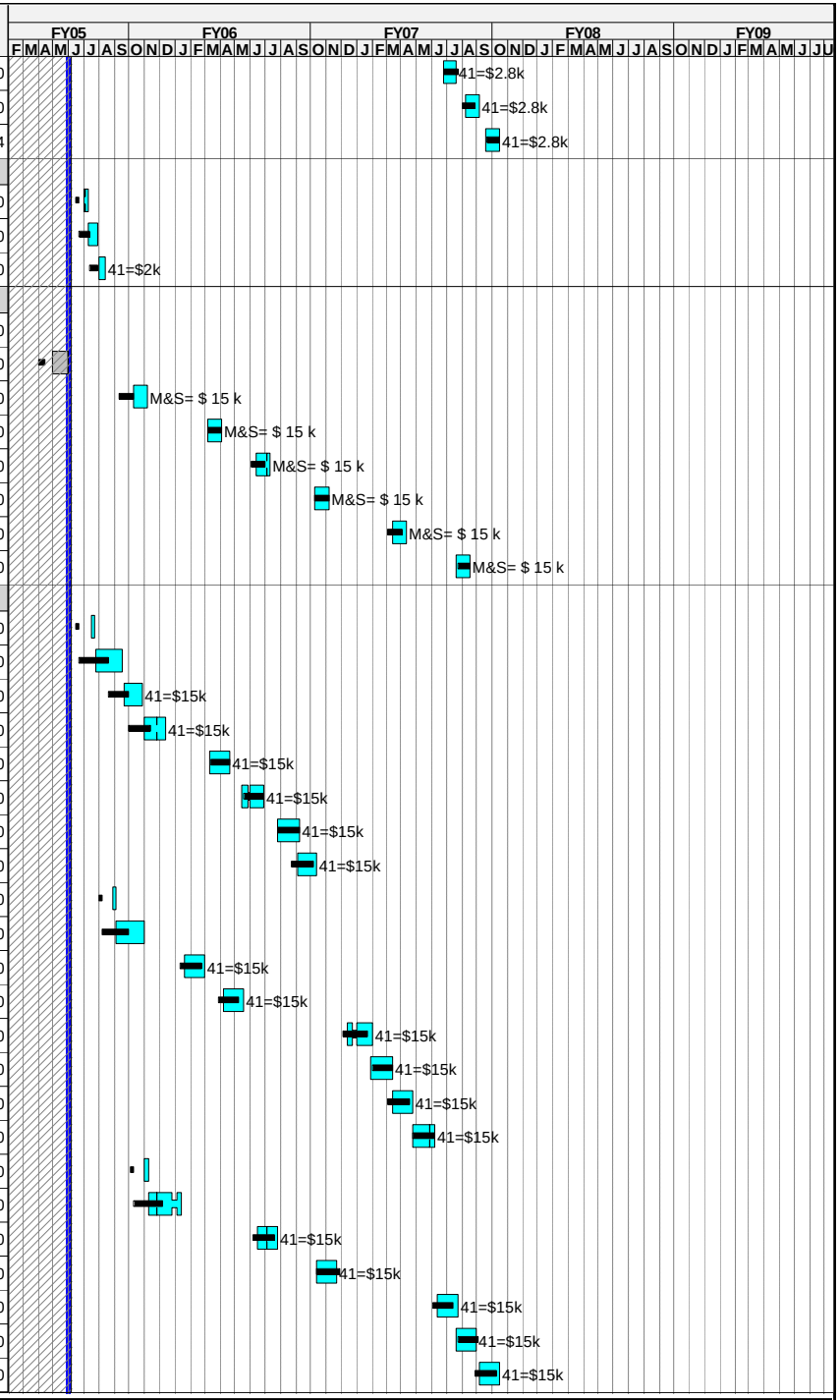
1408-643	Fabr Chill Plts Type B for Coil b4	25JUN07	20	20JUL07	109		0.00	3,878.00
1408-645	Fabr Chill Plts Type B for Coil b5	10AUG07	20	06SEP07	134		0.00	3,878.00
1408-647	Fabr Chill Plts Type B for Coil b6	19SEP07	20	16OCT07	125		0.00	3,916.64
Tubing								
1408-761	Submet Requisition for Tubing	01JUL05	5	08JUL05	181		0.00	0.00
1408-763	Bid and Award Tubing	11JUL05	15	29JUL05	181		0.00	0.00
1408-765	Deliver Tubing	01AUG05	10	12AUG05	181		0.00	2,562.00
Epoxy								
1408-111	Epoxy - Requisition	01JAN05A	5	31JAN05A		100	0.00	0.00
1408-114	Epoxy -Evaluate Bids & Award	01MAY05A	10	31MAY05A		100	0.00	0.00
1408-117	Epoxy -1st Delivery for Production	10OCT05	20	04NOV05	345		0.00	22,185.00
1408-119	Epoxy -2nd Delivery for Production	08MAR06	20	04APR06	282		0.00	22,185.00
1408-121	Epoxy -3rd Delivery for Production	13JUN06	20	11JUL06	251		0.00	22,185.00
1408-123	Epoxy -4th Delivery for Production	10OCT06	20	06NOV06	203		0.00	20,775.00
1408-125	Epoxy -5th Delivery for Production	15MAR07	20	11APR07	170		0.00	20,775.00
1408-127	Epoxy -6th Delivery for Production	20JUL07	20	16AUG07	109		0.00	20,775.00
Clamps								
1408-901	Submet Requisition for Type C Clamps	18JUL05	5	22JUL05	372		0.00	0.00
1408-903	Bid and Award Type C Clamps	25JUL05	40	16SEP05	372		0.00	0.00
1408-905	Fabr Clamps Type C for Coil c1	19SEP05	30	28OCT05	372		0.00	21,195.00
1408-907	Fabr Clamps Type C for Coil c2	31OCT05	30	13DEC05	372		0.00	22,185.00
1408-909	Fabr Clamps Type C for Coil c3	10MAR06	30	20APR06	300		0.00	22,185.00
1408-911	Fabr Clamps Type C for Coil c4	17MAY06	30	28JUN06	267		0.00	22,185.00
1408-913	Fabr Clamps Type C for Coil c5	27JUL06	30	06SEP06	244		0.00	22,185.00
1408-915	Fabr Clamps Type C for Coil c6	04SEP06	30	13OCT06	225		0.00	21,715.00
1408-917	Submet Requisition for Type A Clamps	30AUG05	5	05SEP05	378		0.00	0.00
1408-919	Bid and Award Type A Clamps	06SEP05	40	31OCT05	378		0.00	0.00
1408-921	Fabr Clamps Type A for Coil a1	20JAN06	30	02MAR06	328		0.00	22,185.00
1408-923	Fabr Clamps Type A for Coil a2	07APR06	30	18MAY06	288		0.00	22,185.00
1408-925	Fabr Clamps Type A for Coil a3	14DEC06	30	01FEB07	224		0.00	20,775.00
1408-927	Fabr Clamps Type A for Coil a4	31JAN07	30	13MAR07	202		0.00	20,775.00
1408-929	Fabr Clamps Type A for Coil a5	15MAR07	30	25APR07	178		0.00	20,775.00
1408-931	Fabr Clamps Type A for Coil a6	24APR07	30	05JUN07	157		0.00	20,775.00
1408-933	Submet Requisition for Type B Clamps	01NOV05	5	07NOV05	362		0.00	0.00
1408-935	Bid and Award Type B Clamps	08NOV05	40	12JAN06	362		0.00	0.00
1408-937	Fabr Clamps Type B for Coil b1	15JUN06	30	27JUL06	254		0.00	22,185.00
1408-939	Fabr Clamps Type B for Coil b2	12OCT06	30	22NOV06	204		0.00	20,775.00
1408-941	Fabr Clamps Type B for Coil b3	12JUN07	30	23JUL07	130		0.00	20,775.00
1408-943	Fabr Clamps Type B for Coil b4	20JUL07	30	30AUG07	109		0.00	20,775.00
1408-945	Fabr Clamps Type B for Coil b5	06SEP07	30	17OCT07	146		0.00	20,924.50



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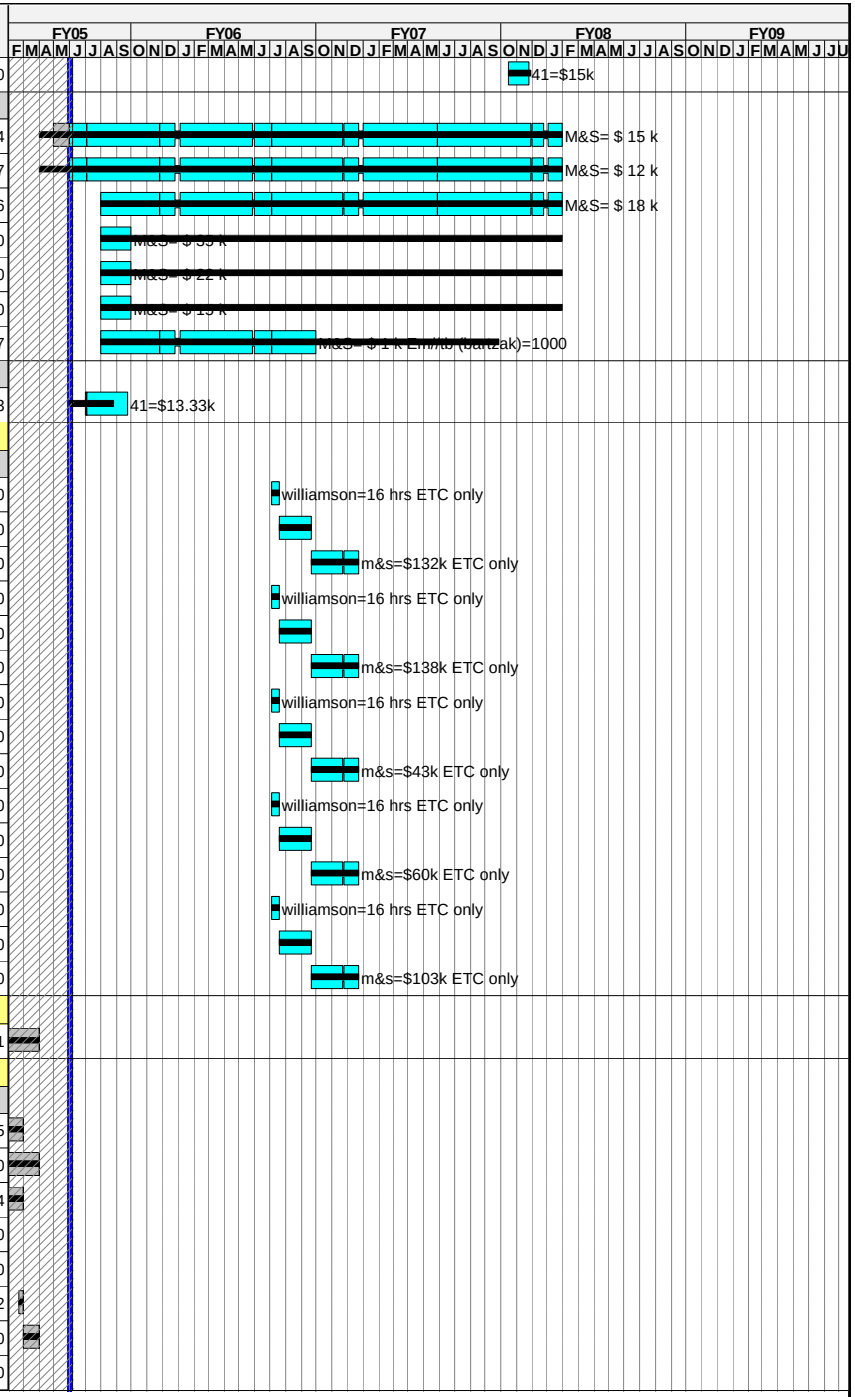
1408-947	Fabr Clamps Type B for Coil b6	16OCT07	30	26NOV07	126		0.00	21,120.00
Other								
1408-137	Safety & PPE equipt & supplies	01MAY05A	689*	31JAN08	434	5	1,054.11	21,082.14
1408-138	Misc. Supplies	01JUN05*	668*	31JAN08	434		0.00	16,912.67
1408-173	Epoxy for Shell Mold (Hysol)	01AUG05*	626*	31JAN08	434		0.00	25,524.06
1408-183	Tubing (Chem flor and Poly)	01AUG05*	45*	30SEP05	1,015		0.00	44,835.00
1408-184	Vulcanizing tape, felt and RTV	01AUG05*	45*	30SEP05	1,015		0.00	28,182.00
1408-185	Valves and Fittings	01AUG05*	45*	30SEP05	1,015		0.00	19,215.00
1408-186	Manifolds	01AUG05*	295*	29SEP06	765		0.00	83,612.87
I&C								
174-035	Modular Coil local I&C -Procurement	01JUL05	60	23SEP05	151		0.00	17,075.73
Job: 1421-Mod Coil Interface Hardware-WILLIAMSON								
1421-100	Submet Requisition for - Assy bolts,nuts,washers	06JUL06	10	19JUL06	164		0.00	0.00
1421-105	Procurement lead time for-Assy bolts,nuts,washer	20JUL06	45	20SEP06	164		0.00	0.00
1421-110	Deliver - Assy bolts,nuts,washers	21SEP06	65	22DEC06	164		0.00	0.00
1421-200	Submet Requisition for - Assembly shims	06JUL06	10	19JUL06	164		0.00	0.00
1421-205	Procurement lead time for - Assembly shims	20JUL06	45	20SEP06	164		0.00	0.00
1421-210	Deliver - Assembly shims	21SEP06	65	22DEC06	164		0.00	0.00
1421-300	Submet Requisition for - Eccentric ball assy	06JUL06	10	19JUL06	164		0.00	0.00
1421-305	Procurement lead time for - Eccentric ball assy	20JUL06	45	20SEP06	164		0.00	0.00
1421-310	Deliver - Eccentric ball assy	21SEP06	65	22DEC06	164		0.00	0.00
1421-400	Submet Requisition for - Bladders	06JUL06	10	19JUL06	164		0.00	0.00
1421-405	Procurement lead time for - Bladders	20JUL06	45	20SEP06	164		0.00	0.00
1421-410	Deliver - Bladders	21SEP06	65	22DEC06	164		0.00	0.00
1421-500	Submet Requisition for-Tooling plates&reaming HW	06JUL06	10	19JUL06	164		0.00	0.00
1421-505	Procurement lead time for-Tooling plates&reaming	20JUL06	45	20SEP06	164		0.00	0.00
1421-510	Deliver-Tooling plates&reaming HW	21SEP06	65	22DEC06	164		0.00	0.00
+ Job: 1406 - Mod. Coil Winding R&D-CLOSED****								
		01APR03A	507	31MAR05A		100	2,213,588.41	2,213,588.41
Job: 1410 MC Twisted Racetrack Fabr-CHRZANOWSKI								
Twisted Racetrack Hardware Fabrication								
1406-016.0	Oversight & Supervision	01NOV04A	20	28FEB05A		100	63,337.35	63,337.35
1406-01601	ECP-29	01OCT04A	55*	31MAR05A		100	400,000.00	400,000.00
1403-017.D	Wind layer #1 9 turns Side b	24JAN05A	31*	28FEB05A		100	3,875.04	3,875.04
1406-016.1	Inspect & Measure Casting	01OCT04A	20	29OCT04A		100	0.00	0.00
1406-016.2	Install Studs	01NOV04A	5	30NOV04A		100	2,980.80	2,980.80
1406-016.6	PPPL Fabricate TRC Chill plates	21FEB05A	12*	28FEB05A		100	1,381.02	1,381.02
1406-016.7	Finish TRC Chill plates	01MAR05A	5	30MAR05A		100	4,261.80	4,261.80
1406-017	Instl cladding(station 2) Side A	01DEC04A	23*	23DEC04A		100	5,961.60	5,961.60



Run Date 10JUN05 10:55

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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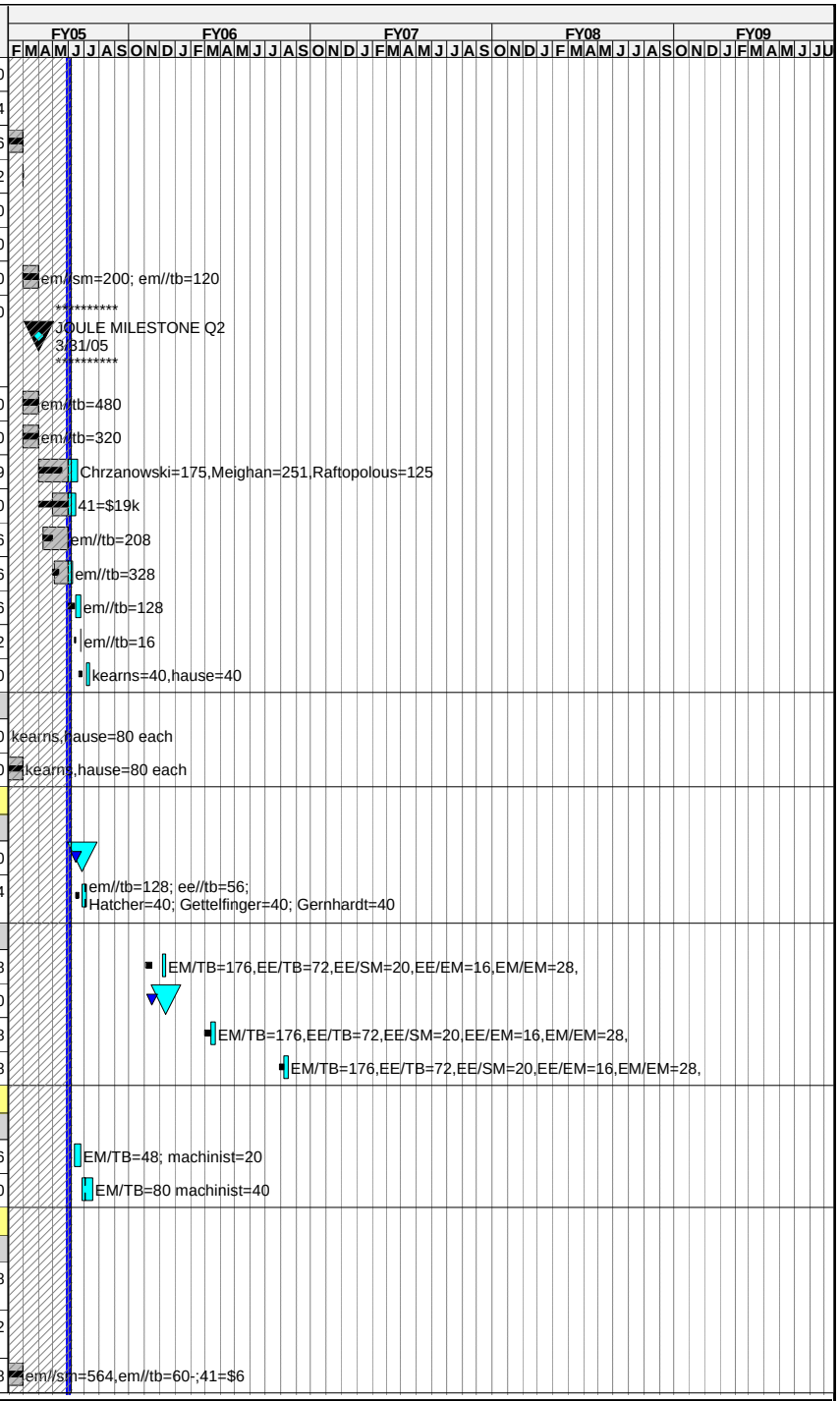
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
1406-017.1	Instl grnd wrap Side b	20DEC04A	37*	31DEC04A		100	9,687.60	9,687.60
1406-017.C	Position & prep 1st coil lead set Side b	01JAN05A	5	03JAN05A		100	2,384.64	2,384.64
1406-017.F	Position Ground wrap onto winding form Side a	24JAN05A	8*	28FEB05A		100	3,576.96	3,576.96
1406-017.G	Reposition Coil Side a	28FEB05A	1	28FEB05A		100	1,192.32	1,192.32
1406-017B	Instl cladding(station 2) Side B	03JAN05A	3*	31JAN05A		100	5,961.60	5,961.60
1406-106.3	Winding Trials (wo/ cladding)	01NOV04A	37*	23DEC04A		100	11,923.20	11,923.20
1406-01609	Rework Lead Blocks	01MAR05A	10	30MAR05A		100	29,946.40	29,946.40
1406-017.3	Cmplt Assy of twisted racetrack (Joule milestone		0	30MAR05A		100	0.00	0.00
1406-017.H	complete coil winding	01MAR05A	0*	30MAR05A		100	35,769.60	35,769.60
1406-017.J	Instl diag loops & chill plates	01MAR05A	10	30MAR05A		100	23,846.40	23,846.40
1406-01602	Oversight & Supervision	01APR05A	55*	17JUN05	1,083	LOE	58,237.89	76,227.59
1406-01608	Coil Clamps	01MAY05A	30*	13JUN05	167		17,037.30	24,339.00
1406-018	Pre-VPI Press test &Apply bag mold	11APR05A	31	31MAY05A		100	15,500.16	15,500.16
1406-019	VPI TRC in autoclave	02MAY05A	32*	08JUN05	205	25	6,110.64	24,442.56
1406-019.1	Instl permanent clamps	14JUN05	9	23JUN05	201		0.00	9,538.56
1406-019.2	Electrical & Pressure tests	24JUN05	1	24JUN05	166		0.00	1,192.32
1406-023	Dissect Coil	06JUL05	5	12JUL05	165		0.00	5,961.60
Straight Tee Specimen								
1406-ST1	Fab Straight Tee Specimen	01OCT04A	78*	31JAN05A		100	11,923.20	11,923.20
1406-ST2	Straight Tee VPI Prep	01JAN05A	40*	28FEB05A		100	5,961.60	5,961.60
Job: 1414 Coil Testing-Gettelfinger								
Twisted Racetrack Hardware Fabrication								
1406-020	Begin Testing of Twisted RT in Coil test Stand	27JUN05	0		167		0.00	0.00
1406-021	Test Coil	28JUN05	5	05JUL05	165		0.00	30,844.24
Production Modular Coils								
P1-021	Test Coil (Coil Test Stand) C1	06DEC05	7	14DEC05	419		0.00	31,012.48
P1-021.1	Complete First Mod Coil Fabrication C1		0	14DEC05	419		0.00	0.00
P2-021	Test Coil (Coil Test Stand) A1	14MAR06	7	22MAR06	355		0.00	31,012.48
P1-051	Test Coil (Coil Test Stand) B1	08AUG06	7	16AUG06	252		0.00	31,012.48
Job: 1415 Dimensional Control Testing-RAFTOPOLOU								
Production Modular Coils								
1415-100	Straight Tee Lacing Test	13JUN05*	10	24JUN05	1,063		0.00	5,067.36
1415-120	Pllanar Racetrack Coil Lacing Test	27JUN05*	15	18JUL05	1,063		0.00	8,942.40
Job: 1412 - Complete Winding Facilities-CHRZANOW								
Remaining fixtures & tooling								
1407-100.5	Complete Fab & Instl Turning Fixt 4	23DEC04A	15	23DEC04A		100	19,152.28	19,152.28
1407-100.6	Complete Electr hookup turning fixtures 4	23DEC04A	15	23DEC04A		100	3,231.72	3,231.72
1407-110.3	Compl Fabr Winding clamp sets (300 of 400)	01JAN05A	97*	28FEB05A		100	71,388.48	71,388.48



Run Date 10JUN05 10:55

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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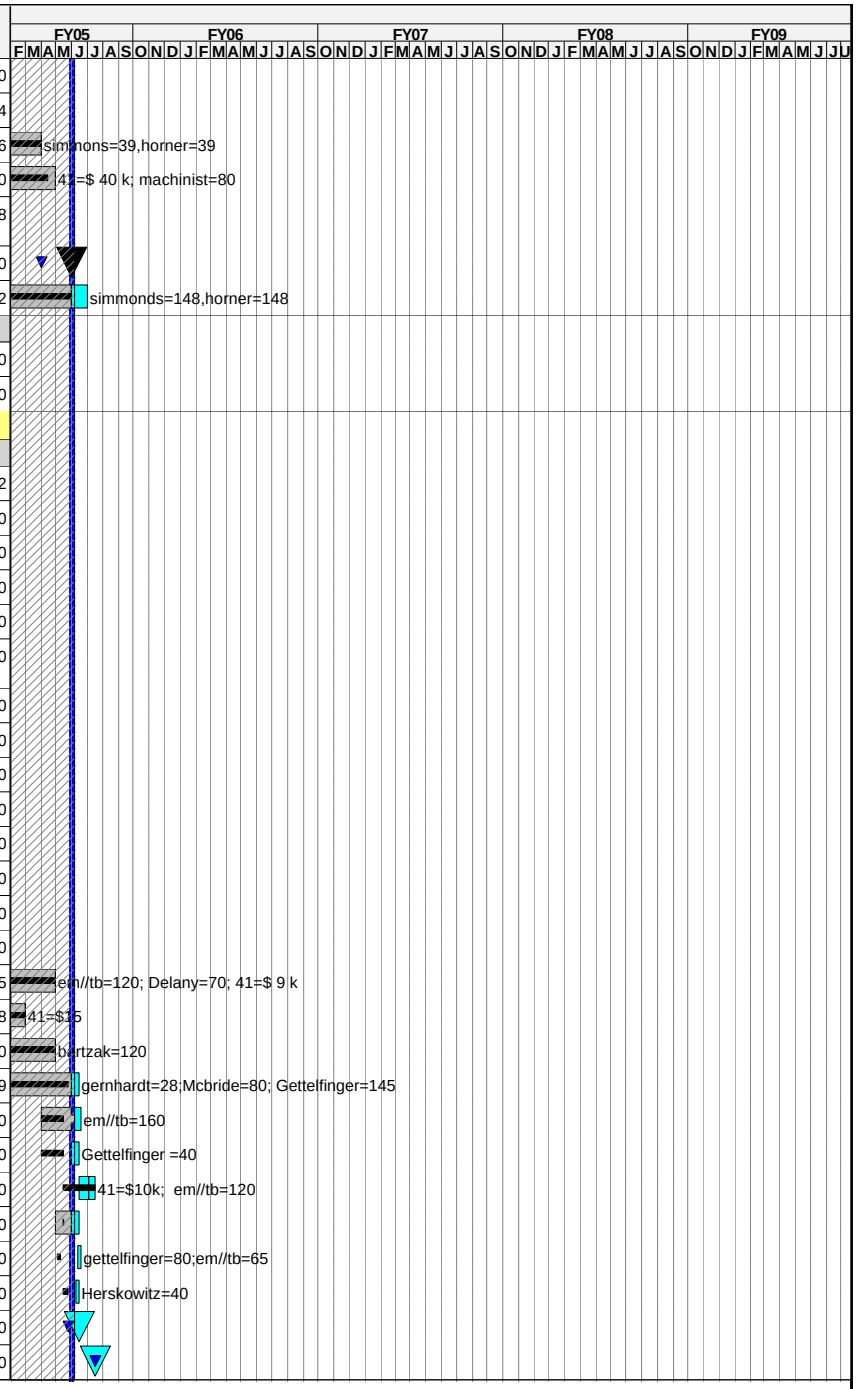
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
1407-124	Fab casting to ring assy fixture station 1	01OCT04A	34	29OCT04A		100	21,004.00	21,004.00
1407-124.5	Electrical Installations	01OCT04A	0*	29OCT04A		100	20,269.44	20,269.44
1407-126.1	Complete Fab Type A casting supports (6) sets	01OCT04A	163*	31MAR05A		100	17,735.76	17,735.76
1407-130.1	Misc tools & equipt FY05	01OCT04A	142*	29APR05A		100	29,820.80	29,820.80
1408-999	3rd winding line conductor payout sys	01NOV04A	144*	23DEC04A		100	66,280.88	66,280.88
1412-199	Complete Winding Facility ACC Review		0	31MAY05A			0.00	0.00
1407-127.1	Complete Fab Type B casting supports (6) sets	01OCT04A	163	29JUN05	1,075	98	32,571.20	33,235.92
VPI Preparations								
1407-107	Perform epoxy mixing trials with delivery sys	01NOV04A	37*	23DEC04A		100	5,961.60	5,961.60
1407-109	Fab & assemble VPI delivery sys	01OCT04A	58*	23DEC04A		100	22,356.00	22,356.00
Job: 1409 - Mod. Coil Test Stand-GETTELFINGER								
Test Stand								
1409-000	FY04 Oct-Mar	20OCT03A	66*	31MAR04A		100	213,546.02	213,546.02
1409-025	Complete Design	01APR04A	0*	30APR04A		100	25,958.40	25,958.40
1409-026	Install Electrical	01JAN04A	94*	31MAR04A		100	0.00	0.00
1409-030	Generate I2T Reqmnts	23FEB04A	16	15MAR04A		100	0.00	0.00
1409-032	Design I2T Protection	01APR04A	0*	30APR04A		100	6,028.00	6,028.00
1409-034	Fabricate I2T Cards	01APR04A	42*	28MAY04A		100	15,795.00	15,795.00
1409-036	Define N2 Election Scheme	23FEB04A	2	24FEB04A		100	0.00	0.00
1409-038	Plan/Procure N2 Ejection Scheme	25FEB04A	14	15MAR04A		100	0.00	0.00
1409-040	Install N2 Ejection Scheme	01MAY04A	85*	31AUG04A		100	12,740.00	12,740.00
1409-100	Design Controls Modifications	08APR04A	37*	28MAY04A		100	46,632.00	46,632.00
1409-110	ES&H Peer Review	05APR04A	1	05APR04A		100	0.00	0.00
1409-120	Install Control Modifications	01MAY04A	42*	30JUN04A		100	11,923.20	11,923.20
1409-140	Design Closed Loop LN2 System	02AUG04A	85*	30NOV04A		100	0.00	0.00
1409-145	FDR closed loop LN2 syst	01DEC04A	1	23DEC04A		100	0.00	0.00
1409-027	Cryo Line Installation	03MAY04A	248*	29APR05A		100	27,804.25	27,804.25
1409-150	Proc Matl's/pump f/closed LN2	02AUG04A	141*	28FEB05A		100	19,182.98	19,182.98
1409-155	Fab/Instl Closed Loop LN2 sys	01DEC04A	101*	29APR05A		100	12,602.40	12,602.40
1409-029	Oversight/Supervision	01APR04A	300*	13JUN05	175	LOE	34,004.70	35,056.39
1409-141	Modify Cryostat for TRC	01APR05A	31	17JUN05	1,083	20	2,384.64	11,923.20
1409-130	Production Cryostat Design	01JUN05*	10	14JUN05	1,064		0.00	6,416.80
1409-135	Production Cryostat Fabr & Install	15JUN05	22	15JUL05	1,064		0.00	21,752.40
1409-044	Final Design & ACC Review	29APR05A	31*	13JUN05	1,087	90	0.00	0.00
1409-028	System Testing (planar racetrack)	13JUN05*	5*	17JUN05	1,083		0.00	17,677.40
1409-160	Test Closed Loop Cooling	08JUN05*	4*	13JUN05	175		0.00	2,980.80
1409-165	Closed Loop Facility Available for TRC		0	13JUN05*	175		0.00	0.00
1409-199	Closed Loop Facility Available for Production MC		0	15JUL05*	1,064		0.00	0.00



Run Date **10JUN05 10:55**

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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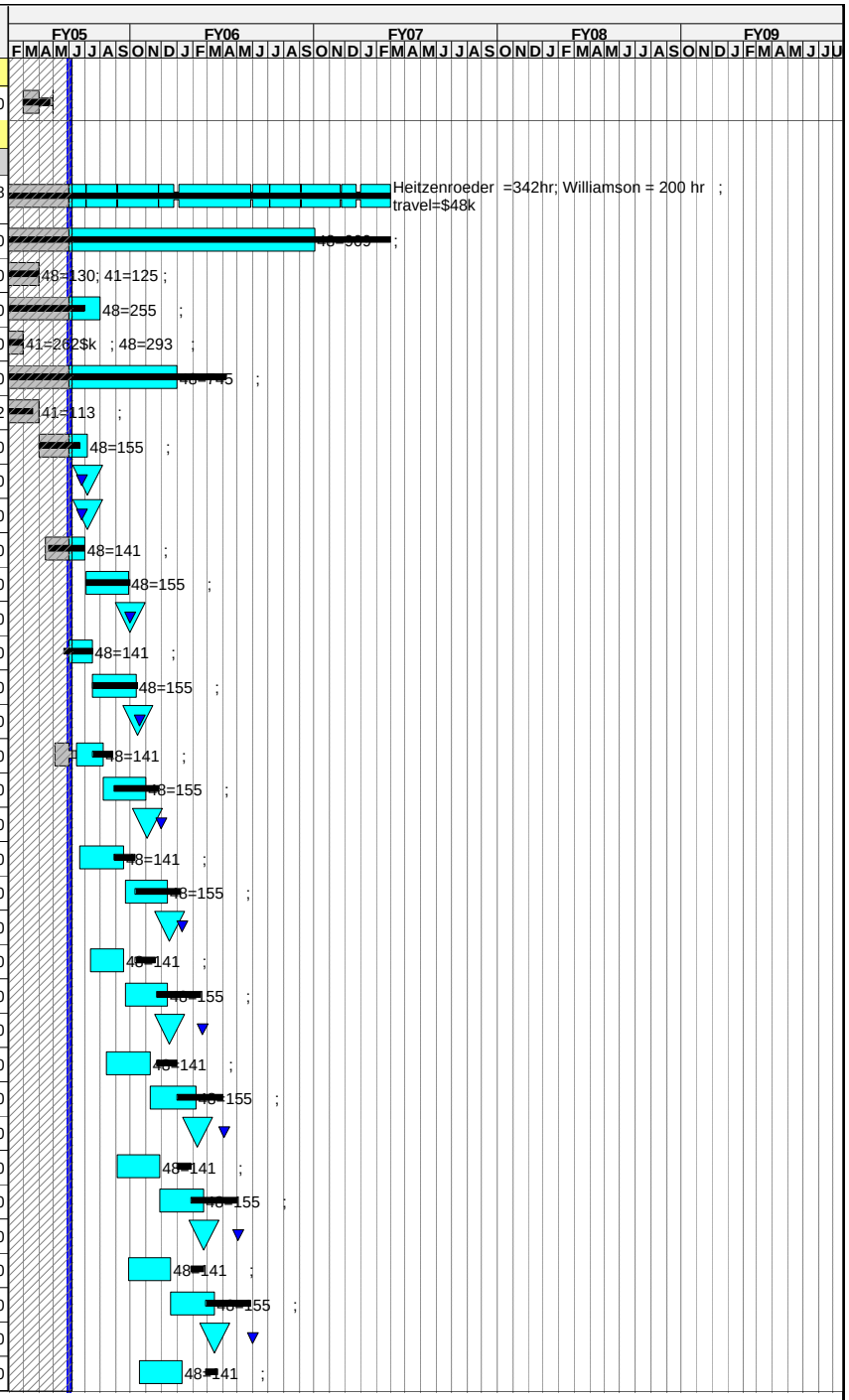
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
+ Job: 1413 -MCWF Fracture Analysis-CLOSED****								
		01MAR05A	44	29APR05A		100	23,169.40	23,169.40
Job: 1411-MCWF Fabrication S005242-HEITZENROEDER								
172-031	Title III engr	24MAY04A	690*	01MAR07	660	LOE	64,455.38	175,150.48
MCWF-001	EIO Project Mgt. & Reporting	29OCT04A	497*	02OCT06	773	38	345,355.40	908,830.00
MCWF-011	Pattern A complete	29OCT04A	126*	01APR05A		100	290,125.00	290,125.00
MCWF-021	Pattern B complete	01DEC04A	171*	01AUG05	1,078	20	51,024.00	255,120.00
MCWF-031	Major Tool Tooling Complete	29OCT04A	82*	28FEB05A		100	628,622.00	628,622.00
MCWF-041	Materials (MetalTek)	29NOV04A	282*	30DEC05	328	67	498,982.50	744,750.00
MCWF-051	C1-MTK-casting upgrade	20DEC04A	63*	31MAR05A		100	144,138.12	144,138.12
MCWF-061	C1-MTM - machining/inspection	01APR05A	69*	06JUL05	162	65	100,691.50	154,910.00
MCWF-071	C1-Receive at PPPL		0	07JUL05*	162		0.00	0.00
C-121.1	First MCWF C-1 Delivered		0	07JUL05	1,095		0.00	0.00
MCWF-081	C2-MTK-casting	15APR05A	56*	01JUL05	118	50	70,405.00	140,810.00
MCWF-091	C2-MTM - machining/inspection	05JUL05*	61*	27SEP05	117		0.00	154,910.00
MCWF-101	C2-Receive at PPPL		0	29SEP05*	117		0.00	0.00
MCWF-111	A1-MTK-casting	01JUN05	33*	15JUL05	147	20	28,200.00	141,000.00
MCWF-121	A1-MTM - machining/inspection	18JUL05*	61*	10OCT05	147		0.00	154,910.00
MCWF-131	A1-Receive at PPPL		0	13OCT05*	147		0.00	0.00
MCWF-141	C3-MTK-casting	02MAY05A	70*	05AUG05	149	10	14,081.00	140,810.00
MCWF-151	C3-MTM - machining/inspection	08AUG05*	61*	31OCT05	149		0.00	154,910.00
MCWF-161	C3-Receive at PPPL		0	02NOV05	149		0.00	0.00
MCWF-171	A2-MTK-casting	23JUN05*	61*	15SEP05	159		0.00	140,810.00
MCWF-181	A2-MTM - machining/inspection	20SEP05*	61*	13DEC05	157		0.00	154,910.00
MCWF-191	A2-Receive at PPPL		0	15DEC05	157		0.00	0.00
MCWF-201	C4-MTK-casting	14JUL05*	46*	15SEP05	176		0.00	140,810.00
MCWF-211	C4-MTM - machining/inspection	20SEP05*	61*	13DEC05	174		0.00	154,910.00
MCWF-221	C4-Receive at PPPL		0	15DEC05	174		0.00	0.00
MCWF-231	B1-MTK-casting	15AUG05*	62	08NOV05	170		0.00	140,810.00
MCWF-241	B1-MTM - machining/inspection	09NOV05	65	07FEB06	170		0.00	154,910.00
MCWF-251	B1-Receive at PPPL		0	09FEB06	170		0.00	0.00
MCWF-261	C5-MTK-casting	05SEP05*	61	28NOV05	175		0.00	140,810.00
MCWF-271	C5-MTM - machining/inspection	29NOV05	63	23FEB06	175		0.00	154,910.00
MCWF-281	C5-Receive at PPPL		0	23FEB06	175		0.00	0.00
MCWF-291	C6-MTK-casting	26SEP05*	61	19DEC05	192		0.00	140,810.00
MCWF-301	C6-MTM - machining/inspection	20DEC05	62	15MAR06	192		0.00	154,910.00
MCWF-311	C6-Receive at PPPL		0	17MAR06	192		0.00	0.00
MCWF-321	B2-MTK-casting	17OCT05*	62	10JAN06	195		0.00	140,810.00



Run Date **10JUN05 10:55**

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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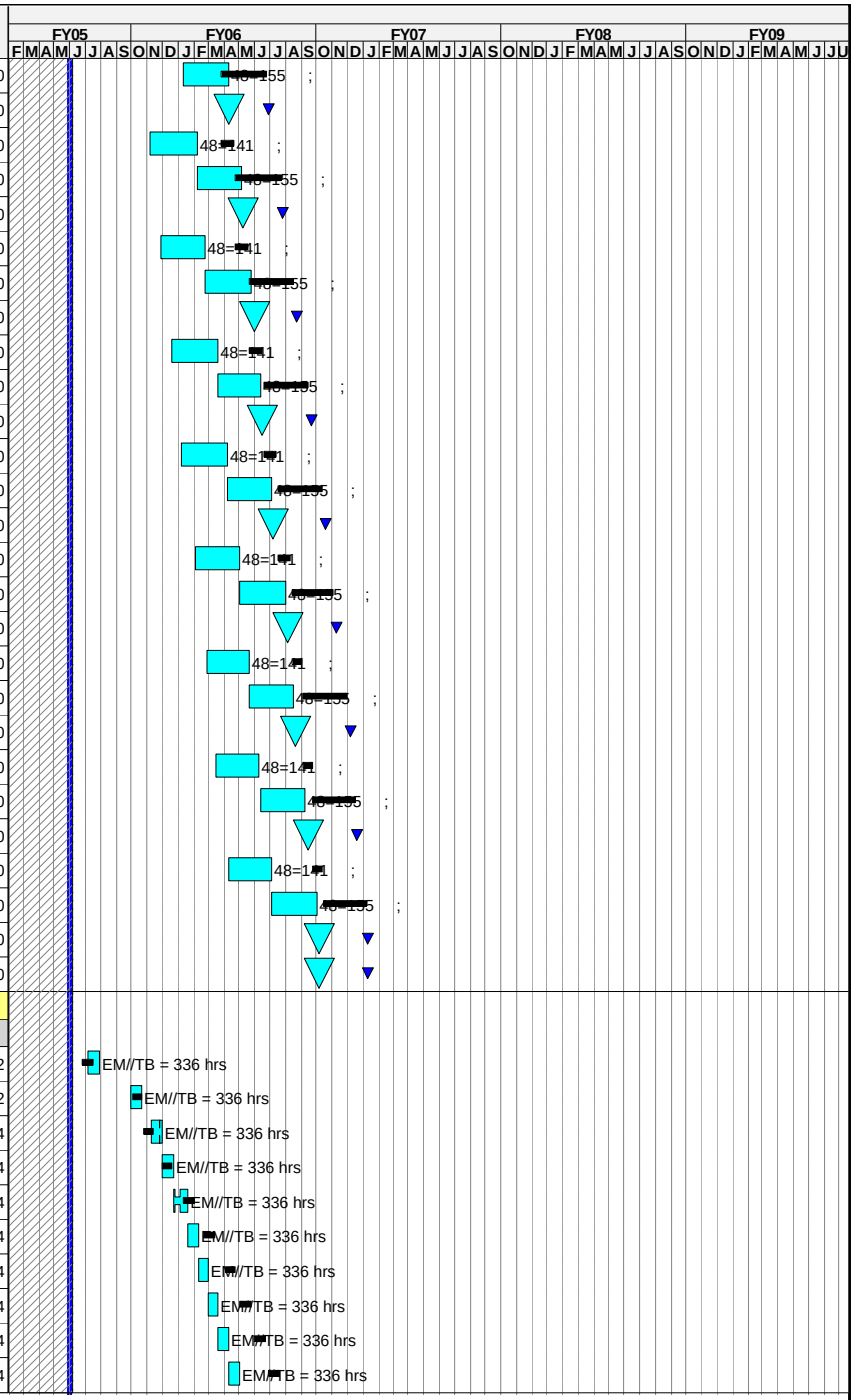
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
MCWF-331	B2-MTM - machining/inspection	11JAN06	64	10APR06	195		0.00	154,910.00
MCWF-341	B2-Receive at PPPL		0	11APR06	195		0.00	0.00
MCWF-351	A3-MTK-casting	07NOV05*	67	07FEB06	215		0.00	140,810.00
MCWF-361	A3-MTM - machining/inspection	08FEB06	62	04MAY06	215		0.00	154,910.00
MCWF-371	A3-Receive at PPPL		0	09MAY06	215		0.00	0.00
MCWF-381	A4-MTK-casting	28NOV05*	62	21FEB06	216		0.00	140,810.00
MCWF-391	A4-MTM - machining/inspection	22FEB06	66	24MAY06	216		0.00	154,910.00
MCWF-401	A4-Receive at PPPL		0	29MAY06	216		0.00	0.00
MCWF-411	A5-MTK-casting	19DEC05*	67	21MAR06	258		0.00	140,810.00
MCWF-421	A5-MTM - machining/inspection	22MAR06	60	13JUN06	258		0.00	154,910.00
MCWF-431	A5-Receive at PPPL		0	16JUN06	258		0.00	0.00
MCWF-441	A6-MTK-casting	09JAN06*	64	06APR06	258		0.00	140,810.00
MCWF-451	A6-MTM - machining/inspection	07APR06	64	05JUL06	258		0.00	154,910.00
MCWF-461	A6-Receive at PPPL		0	07JUL06	258		0.00	0.00
MCWF-471	B3-MTK-casting	06FEB06*	61	01MAY06	285		0.00	140,810.00
MCWF-481	B3-MTM - machining/inspection	02MAY06	66	01AUG06	285		0.00	154,910.00
MCWF-491	B3-Receive at PPPL		0	03AUG06	285		0.00	0.00
MCWF-501	B4-MTK-casting	27FEB06*	61	22MAY06	288		0.00	140,810.00
MCWF-511	B4-MTM - machining/inspection	23MAY06	63	17AUG06	288		0.00	154,910.00
MCWF-521	B4-Receive at PPPL		0	21AUG06	288		0.00	0.00
MCWF-531	B5-MTK-casting	16MAR06*	62	09JUN06	335		0.00	140,810.00
MCWF-541	B5-MTM - machining/inspection	12JUN06	65	08SEP06	335		0.00	154,910.00
MCWF-551	B5-Receive at PPPL		0	13SEP06	335		0.00	0.00
MCWF-561	B6-MTK-casting	10APR06*	61	03JUL06	338		0.00	140,810.00
MCWF-571	B6-MTM - machining/inspection	04JUL06	65	02OCT06	338		0.00	154,910.00
MCWF-581	B6-Receive at PPPL		0	05OCT06	338		0.00	0.00
C-501B1	Last MCWF Delivered		0	05OCT06	770		0.00	0.00
Job: 1451 - Mod Coil Winding-CHRZANOWSKI								
Station 1 Prep casring & Install Cladding								
P1-001	Receive C1, Prep& Instl Cladding(Station 1)	08JUL05*	15	28JUL05	153		0.00	25,038.72
P1-091	Receive C2, Prep& Instl Cladding(Station 1)	30SEP05	15	20OCT05	109		0.00	27,925.12
P2-001	Receive A1, Prep& Instl Cladding(Station 1)	08NOV05	15	30NOV05	122		0.00	28,069.44
P2-091	Receive C3, Prep& Instl Cladding(Station 1)	01DEC05	15	21DEC05	122		0.00	28,069.44
P3-001	Receive A2, Prep& Instl Cladding(Station 1)	22DEC05	15	19JAN06	145		0.00	28,069.44
P3-091	Receive C4, Prep& Instl Cladding(Station 1)	20JAN06	15	09FEB06	147		0.00	28,069.44
P1-031	Receive B1, Prep& Instl Cladding(Station 1)	10FEB06	15	02MAR06	167		0.00	28,069.44
P1-121	Receive C5, Prep& Instl Cladding(Station 1)	03MAR06	13	21MAR06	167		0.00	28,069.44
P2-031	Receive C6, Prep& Instl Cladding(Station 1)	22MAR06	15	11APR06	185		0.00	28,069.44
P2-121	Receive B2, Prep& Instl Cladding(Station 1)	12APR06	15	02MAY06	185		0.00	28,069.44



Run Date 10JUN05 10:55

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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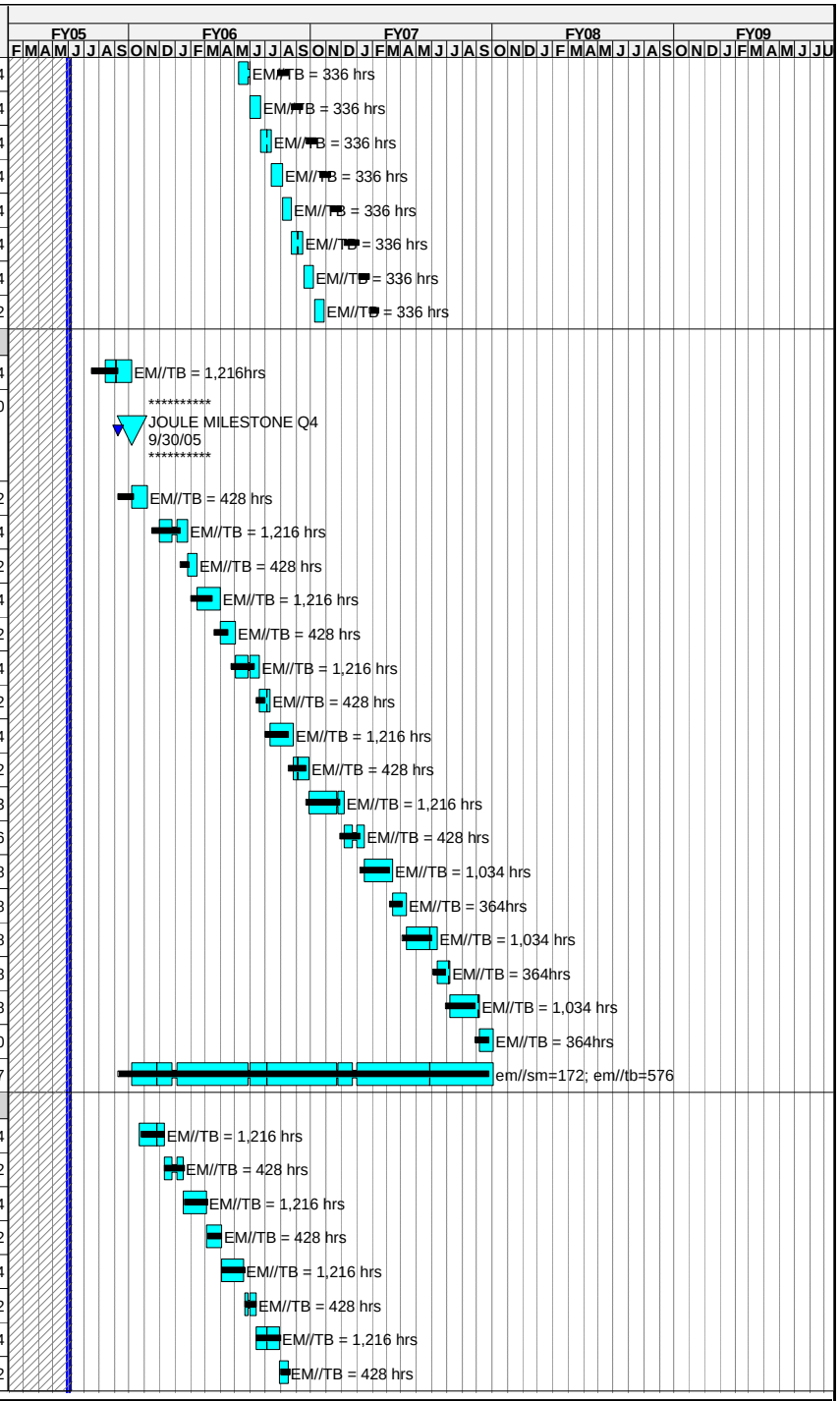
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
P3-031	Receive A3, Prep& Instl Cladding(Station 1)	10MAY06	15	31MAY06	205		0.00	28,069.44
P3-121	Receive A4, Prep& Instl Cladding(Station 1)	01JUN06	15	21JUN06	205		0.00	28,069.44
P1-061	Receive A5, Prep& Instl Cladding(Station 1)	22JUN06	15	13JUL06	246		0.00	28,069.44
P1-151	Receive A6, Prep& Instl Cladding(Station 1)	14JUL06	15	03AUG06	246		0.00	28,069.44
P2-061	Receive B3, Prep& Instl Cladding(Station 1)	04AUG06	15	24AUG06	277		0.00	28,069.44
P2-151	Receive B4, Prep& Instl Cladding(Station 1)	25AUG06	15	15SEP06	277		0.00	28,069.44
P3-061	Receive B5, Prep& Instl Cladding(Station 1)	18SEP06	15	06OCT06	321		0.00	28,378.24
P3-151	Receive B6, Prep& Instl Cladding(Station 1)	09OCT06	15	27OCT06	325		0.00	28,717.92
Station 2-Winding, Instl Chill Plates,Tubing,Bag								
P1-011	Wind coil C1 ------>@+50% for first coil	15AUG05*	37	05OCT05	143		0.00	91,505.64
P1-011J	Complete Winding First Modular Coil		0	05OCT05	1,007		0.00	0.00
P1-020	Instl Chill Plates,Tubing, Bag C1 (Station 2)	06OCT05	22	04NOV05	143		0.00	35,755.12
P2-011	Wind coil A1	01DEC05	33	24JAN06	127		0.00	101,584.64
P2-020	Instl Chill Plates,Tubing, Bag A1 (Station 2)	25JAN06	15	14FEB06	127		0.00	35,755.12
P3-011	Wind coil A2	15FEB06	33	31MAR06	127		0.00	101,584.64
P3-020	Instl Chill Plates,Tubing, Bag A2 (Station 2)	03APR06	22	02MAY06	127		0.00	35,755.12
P1-041	Wind coil B1	03MAY06	33	19JUN06	127		0.00	101,584.64
P1-050	Instl Chl Plates,Tubing, Bag B1 (Station 2)	20JUN06	15	11JUL06	127		0.00	35,755.12
P2-041	Wind coil C6 (station 2)	12JUL06	33	25AUG06	127		0.00	101,584.64
P2-050	Instl Chl Plates,Tubing, Bag C6 (Station 2)	28AUG06	22	27SEP06	127		0.00	35,755.12
P3-041	Wind coil A3 (station 2)	28SEP06	49	07DEC06	127		0.00	103,835.73
P3-050	Instl Chl Plates,Tubing, Bag A3 Station 2)	08DEC06	22	16JAN07	127		0.00	36,581.16
P1-071	Wind coil A5 (station 2)@15%	17JAN07	42	15MAR07	127		0.00	88,375.98
P1-080	Instl Chl Plates,Tubing,Bag A5(Station 2)@15%	16MAR07	19	11APR07	127		0.00	31,111.08
P2-071	Wind coil B3 (station 2)@15%	12APR07	42	11JUN07	127		0.00	88,375.98
P2-080	Instl Chill Plates,Tubing,Bag B3 (Station 2)@15%	12JUN07	19	09JUL07	127		0.00	31,111.08
P3-071	Wind coil B5 (station 2)@15%	10JUL07	42	06SEP07	135		0.00	88,375.98
P3-080	Instl Chill Plates,Tubing,Bag B5 Station 2)@15%	07SEP07	19	03OCT07	135		0.00	31,288.10
174-037	Modular Coil local I&C -Install (from wbs 143)	06OCT05	501*	03OCT07	134		0.00	69,182.77
Station 3-Winding, Instl Chill Plates,Tubing,Bag								
P1-101	Wind coil C-2(station 3)	21OCT05*	33	08DEC05	109		0.00	101,584.64
P1-110	Instl Chill Plates,Tubing, Bag C2 (Station 3)	09DEC05	22	17JAN06	109		0.00	35,755.12
P2-101	Wind coil C-3 (station3)	18JAN06	33	03MAR06	109		0.00	101,584.64
P2-110	Instl Chill Plates,Tubing, Bag C3(Station 3)	06MAR06	22	04APR06	109		0.00	35,755.12
P3-101	Wind coil C4 (station 3)	05APR06	33	19MAY06	109		0.00	101,584.64
P3-110	Instl Chill Plates,Tubing, Bag C4 (Station 3)	22MAY06	15	12JUN06	109		0.00	35,755.12
P1-131	Wind coil C5 (station 3	13JUN06	33	28JUL06	109		0.00	101,584.64
P1-140	Instl Chl Plates,Tubing, Bag C5 Station 3)	31JUL06	15	18AUG06	109		0.00	35,755.12



Run Date 10JUN05 10:55

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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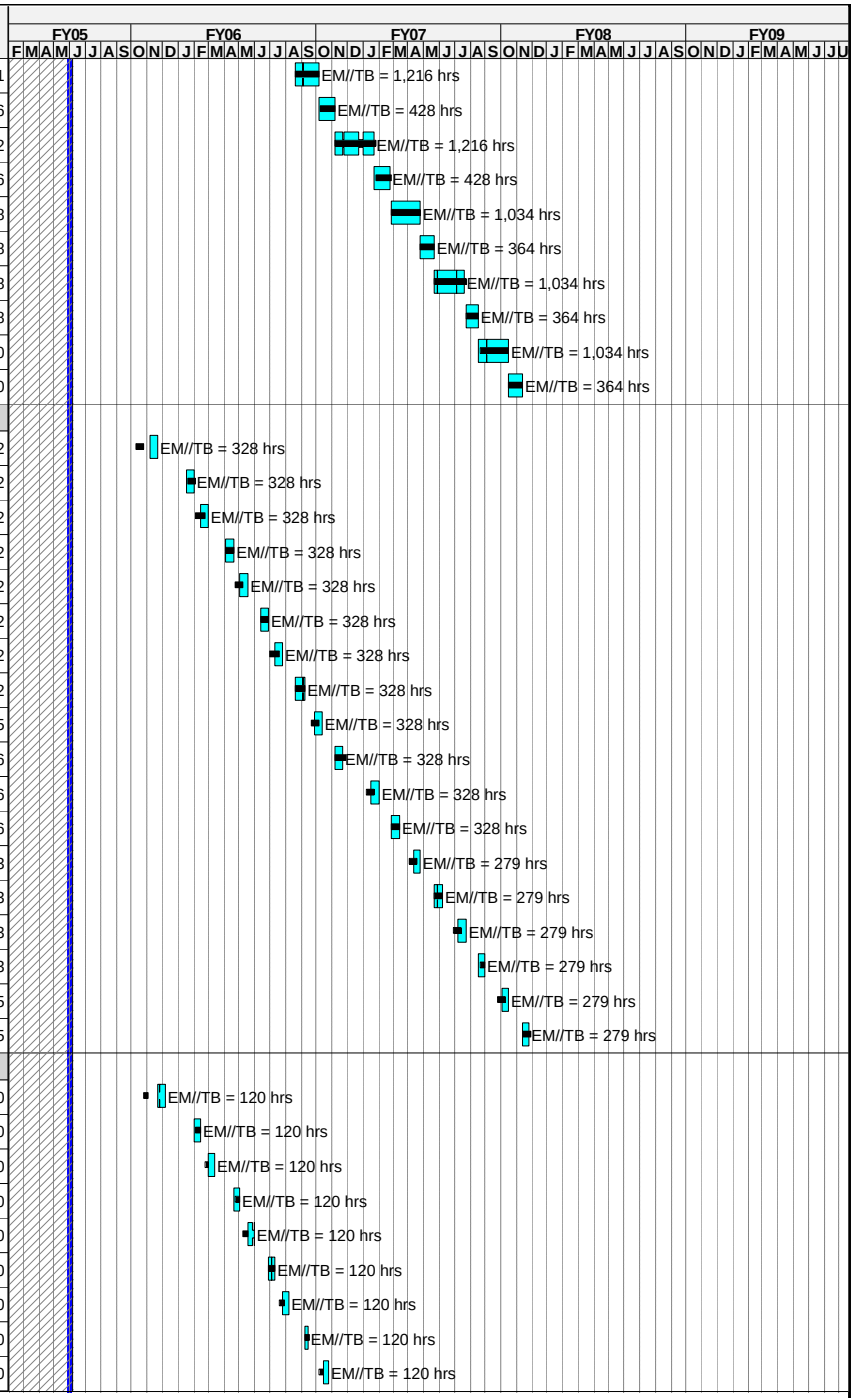
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
P2-131	Wind coil B2 (station3)	21AUG06	33	05OCT06	109		0.00	101,869.11
P2-140	Instl Chl Plates,Tubing, Bag B2 (Station 3)	06OCT06	22	06NOV06	109		0.00	36,581.16
P3-131	Wind coil A4 (station 3)	07NOV06	49	24JAN07	109		0.00	103,931.52
P3-140	Instl Chl Plates,Tubing, Bag A4 (Station 3)	25JAN07	22	23FEB07	109		0.00	36,581.16
P1-161	Wind coil A6 (station 3)@15%	26FEB07	42	24APR07	109		0.00	88,375.98
P1-170	Instl Chill Plates,Tubing,Bag A6Station 3)@15%	25APR07	19	21MAY07	109		0.00	31,111.08
P2-161	Wind coil B4 (station 3)@15%	22MAY07	42	20JUL07	109		0.00	88,375.98
P2-170	Instl Chill Plates,Tubing,Bag B4Station3)@15%	23JUL07	19	16AUG07	109		0.00	31,111.08
P3-161	Wind coil B6 (station 3)@15%	17AUG07	42	16OCT07	126		0.00	89,285.90
P3-170	Instl Chill Plates,Tubing,Bag B6Station3)@15%	17OCT07	19	12NOV07	126		0.00	32,232.20
Station 5-VPI								
P1-021V	VPI (Station 5) C1	07NOV05	12	22NOV05	344		0.00	27,401.12
P1-111V	VPI (Station 5) C2	18JAN06	12	02FEB06	312		0.00	27,401.12
P2-021V	VPI (Station 5) A1	15FEB06	12	02MAR06	304		0.00	27,401.12
P2-111V	VPI (Station 5) C3	05APR06	12	20APR06	281		0.00	27,401.12
P3-021V	VPI (Station 5) A2	03MAY06	12	18MAY06	273		0.00	27,401.12
P3-111V	VPI (Station 5) C4	13JUN06	12	28JUN06	257		0.00	27,401.12
P1-051V	VPI (Station 5) B1	12JUL06	12	27JUL06	249		0.00	27,401.12
P1-141V	VPI (Station 5) C5	21AUG06	12	06SEP06	233		0.00	27,401.12
P2-051V	VPI (Station 5) C6	28SEP06	12	13OCT06	218		0.00	27,928.65
P2-141V	VPI (Station 5) B2	07NOV06	12	22NOV06	202		0.00	28,034.16
P3-051V	VPI (Station 5) A3	17JAN07	12	01FEB07	205		0.00	28,034.16
P3-141V	VPI (Station 5) A4	26FEB07	12	13MAR07	189		0.00	28,034.16
P1-081V	VPI (Station 5) A5 @15% learning curve	12APR07	10	25APR07	168		0.00	23,846.13
P1-171V	VPI (Station 5) A6 @15% learning curve	22MAY07	10	05JUN07	150		0.00	23,846.13
P2-081V	VPI (Station 5) B3 @15% learning curve	10JUL07	10	23JUL07	127		0.00	23,846.13
P3-081V	VPI (Station 5) B4 @15% learning curve	17AUG07	10	30AUG07	109		0.00	23,846.13
P2-171V	VPI (Station 5) B5 @15% learning curve	04OCT07	10	17OCT07	144		0.00	24,705.45
P3-171V	VPI (Station 5) B6 @15% learning curve	13NOV07	10	26NOV07	126		0.00	24,705.45
Station 1B Final Clamp Installation								
P1-021C	Final Clamps & Warm Test (Station1) C1	23NOV05	7	05DEC05	377		0.00	10,024.80
P1-111C	Final Clamps & Warm Test (Station1) C2	03FEB06	7	13FEB06	340		0.00	10,024.80
P2-021C	Final Clamps & Warm Test (Station1) A1	03MAR06	7	13MAR06	327		0.00	10,024.80
P2-111C	Final Clamps & Warm Test (Station1) C3	21APR06	7	01MAY06	299		0.00	10,024.80
P3-021C	Final Clamps & Warm Test (Station1) A2	19MAY06	7	30MAY06	286		0.00	10,024.80
P3-111C	Final Clamps & Warm Test (Station1) C4	29JUN06	7	10JUL06	265		0.00	10,024.80
P1-051C	Final Clamps & Warm Test (Station1) B1	28JUL06	7	07AUG06	252		0.00	10,024.80
P1-141C	Final Clamps & Warm Test (Station1) C5	07SEP06	7	15SEP06	243		0.00	10,024.80
P2-051C	Final Clamps & Warm Test (Station1) C6	16OCT06	7	24OCT06	223		0.00	10,256.40



Run Date **10JUN05 10:55**

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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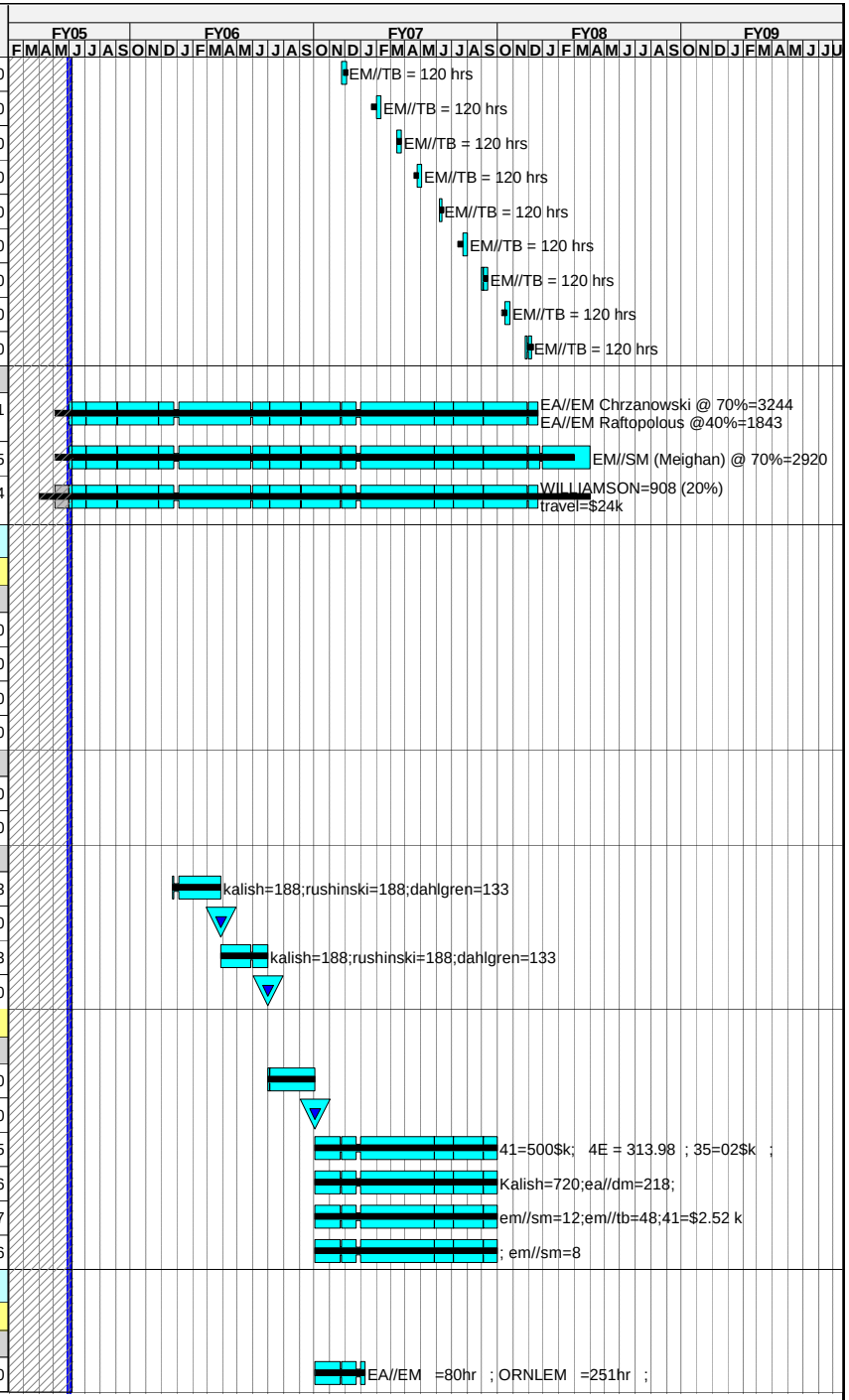
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
P2-141C	Final Clamps & Warm Test (Station1) B2	27NOV06	7	05DEC06	202		0.00	10,256.40
P3-051C	Final Clamps & Warm Test (Station1) A3	02FEB07	7	12FEB07	222		0.00	10,256.40
P3-141C	Final Clamps & Warm Test (Station1) A4	14MAR07	7	22MAR07	201		0.00	10,256.40
P1-081C	Final Clamps & Warm Test (Station1) A5	26APR07	7	04MAY07	177		0.00	10,256.40
P1-171C	Final Clamps & Warm Test (Station1) A6	06JUN07	7	14JUN07	156		0.00	10,256.40
P2-081C	Final Clamps & Warm Test (Station1) B3	24JUL07	7	01AUG07	130		0.00	10,256.40
P3-081C	Final Clamps & Warm Test (Station1) B4	31AUG07	7	11SEP07	109		0.00	10,256.40
P3-171C	Final Clamps & Warm Test (Station1) B5	18OCT07	7	26OCT07	147		0.00	10,626.00
P2-171C	Final Clamps & Warm Test (Station1) B6	27NOV07	7	07DEC07	126		0.00	10,626.00
LOE Oversight & Supervision								
171-040	Winding Oversight (LOE)	01JUN05*	642*	21DEC07	454		0.00	934,781.81
171-041	Tech Supervision	01JUN05*	707	31MAR08	389		0.00	345,615.25
TITLE3W	Titel III Design ORNL- Component Fab & WINDING	02MAY05A	663*	21DEC07	454		6,279.10	196,221.84
15 - Structures								
Job: 1501 - Structures Design- Kalish								
PDR/PBR Task List								
1501-105	Project PDR	07OCT03A	1	07OCT03A		100	0.00	0.00
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A		100	12,360.00	12,360.00
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A		100	6,180.00	6,180.00
1501-117	Performance baseline review		0	18NOV03A		100	0.00	0.00
Reqmnts,Configuration, Interfaces and PDR								
1501-125	Update drawings & models based on vendor recomm	21OCT03A	30	26NOV03A		100	10,660.50	10,660.50
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	30SEP04A		LOE	5,407.50	5,407.50
1501-FY05	Prelim Design Structures	22DEC05	65	30MAR06	177		0.00	93,437.13
1501-PDR	Structures PDR		0	30MAR06	177		0.00	0.00
1501-FD	Final Design Structures	31MAR06	65	30JUN06	177		0.00	93,437.13
1501-FDR	Structures FDR		0	30JUN06	177		0.00	0.00
Job:1550 - Structures Procurement -KALISH								
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	03JUL06	65	02OCT06	177		0.00	0.00
162-036.9	Award Coil Support Assy		0	02OCT06*	177		0.00	0.00
162-037	WBS 151Coil Support Assy Procurement [A/1]	03OCT06	249	01OCT07	177		0.00	1,020,858.45
162-031	Title III engr WBS 151	03OCT06	249	01OCT07	511		0.00	160,613.56
153.037	WBS 153 Support Structure I&C Procurement/Fab	03OCT06*	249	01OCT07	511		0.00	9,039.07
153.015	Title III design WBS 153 locall&C	03OCT06*	249	01OCT07	511		0.00	963.66
16 - Coil Services								
161 - LN2 Distribution								
191-001	Title I design WBS 161 LN2 manifolds&piping	02OCT06*	65	10JAN07	306		0.00	58,172.50



Run Date 10JUN05 10:55

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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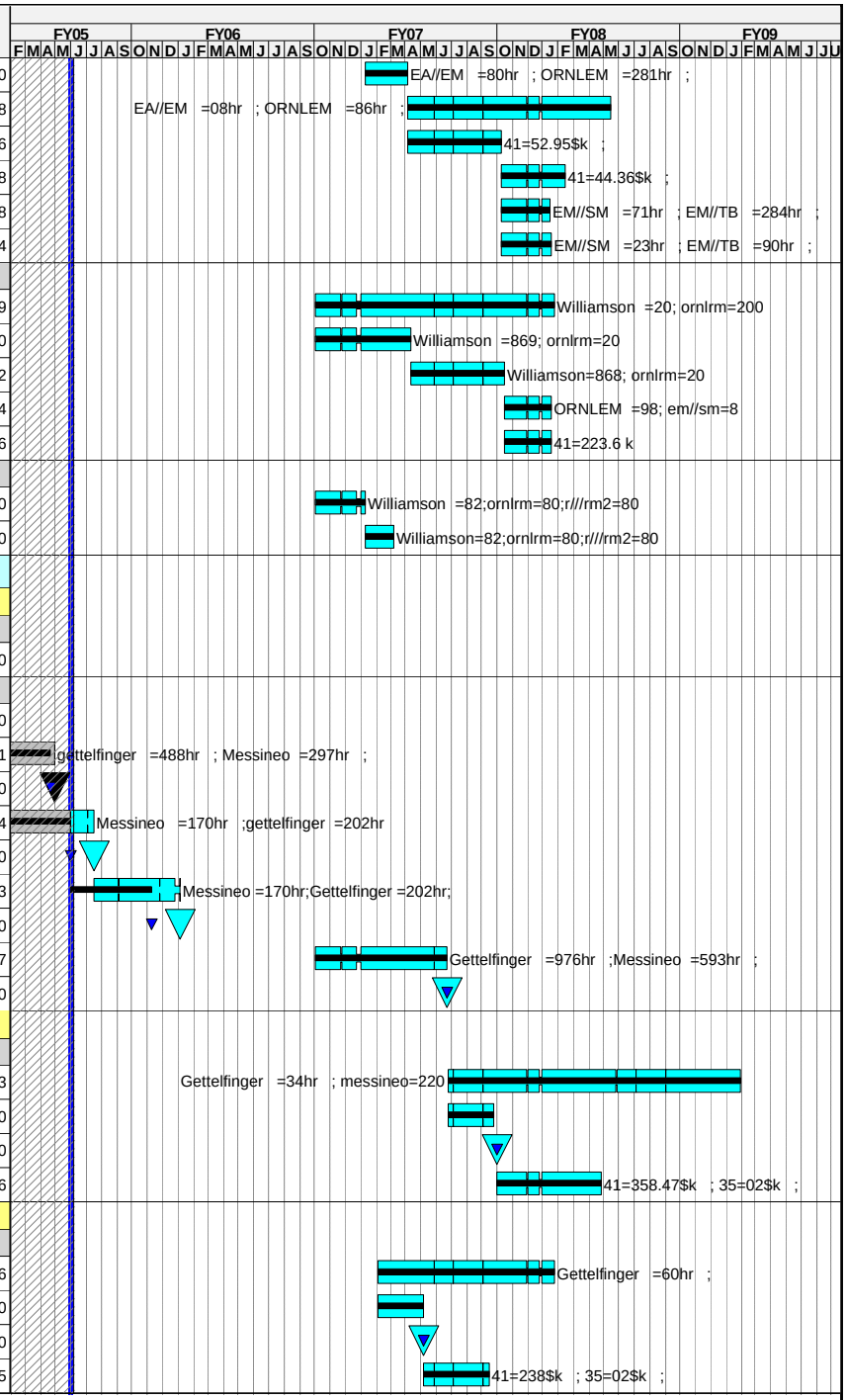
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
191-011	Title II design WBS 161 LN2 manifolds&piping	11JAN07	60	04APR07	306		0.00	116,516.90
191-031	Title III engr WBS 161	05APR07	280	15MAY08	356		0.00	16,656.28
191-037	Procurement WBS 161	05APR07	130	08OCT07	306		0.00	73,391.96
191-038	PDR#17	09OCT07*	86	15FEB08	420		0.00	62,458.88
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	09OCT07*	62	14JAN08	306		0.00	34,007.58
191-042	PDR #17,25,3	09OCT07*	65	17JAN08	441		0.00	10,839.44
162 - Electrical Leads								
132-000	PDR #17 & 25	02OCT06	325	24JAN08	436		0.00	41,396.19
132-001	Title I design WBS 162 Coil leads	02OCT06*	130	11APR07	303		0.00	153,159.10
132-011	Title II design WBS 162 Coil leads	12APR07	130	15OCT07	303		0.00	153,686.42
132-015	Title III design WBS 162 Coil leads	16OCT07*	60	17JAN08	441		0.00	18,540.24
132-037	Coil Leads Procurement WBS 162	16OCT07*	60	17JAN08	303		0.00	314,856.96
163 - Coil Protection System								
163.001	Title I design WBS 163 Coil protection	02OCT06*	65	10JAN07	656		0.00	43,149.40
163.011	Title II design WBS 163 Coil protection	11JAN07	40	07MAR07	656		0.00	43,149.40
17 - Cryostat and Base Support Structure								
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER								
Prior Costs								
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A		100	12,180.00	12,180.00
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A		100	6,000.00	6,000.00
151-001	Title I design WBS 171 cryostat	01APR04A	270*	29APR05A		100	125,850.61	125,850.61
151-002	Cryostat PDR		0	29APR05A			0.00	0.00
161-001	Title I design WBS 172 base support struct	01APR04A	323*	15JUL05	364	90	44,766.31	49,740.34
151-003	Base Support Struct PDR		0	15JUL05	364		0.00	0.00
161-011	Final Design Base Support Structure WBS 172	18JUL05	114	04JAN06	364		0.00	64,199.03
172-199	Base Support Structure FDR		0	04JAN06	364		0.00	0.00
151-011	Final Design Cryostat WBS 171	02OCT06*	181	22JUN07	175		0.00	248,548.17
171-199	Cryostat FDR		0	22JUN07	175		0.00	0.00
Job: 1751 - Cryostat Procurement								
171 - Cryostat								
151-031	Title III engr	25JUN07	405	28JAN09	175		0.00	33,054.33
151-036.8	Prep Spec, Solicit bids, and Select Vendor	25JUN07	65	25SEP07	175		0.00	0.00
151-036.9	Award Cryostat Procurement		0	01OCT07*	242		0.00	0.00
151-037	Cryostat Procurement [A/1]	02OCT07	141	25APR08	242		0.00	508,421.76
Job: 1752 - Base Support Structure Procurement								
172 - Base Support Structure								
161-031	Title III engr WBS 172	06FEB07	240	22JAN08	438		0.00	11,161.46
161-036.8	Prep Spec, Solicit bids, and Select Vendor	06FEB07*	65	07MAY07	241		0.00	0.00
161-036.9	Award Machine Base&supports Procurement		0	07MAY07	241		0.00	0.00
161-037	Machine Base&supports Procurement [A/1]	08MAY07	90	13SEP07	241		0.00	303,805.05



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PMB Schedule
xECP-30 Baseline
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NCSX
STATUS THROUGH MAY 30
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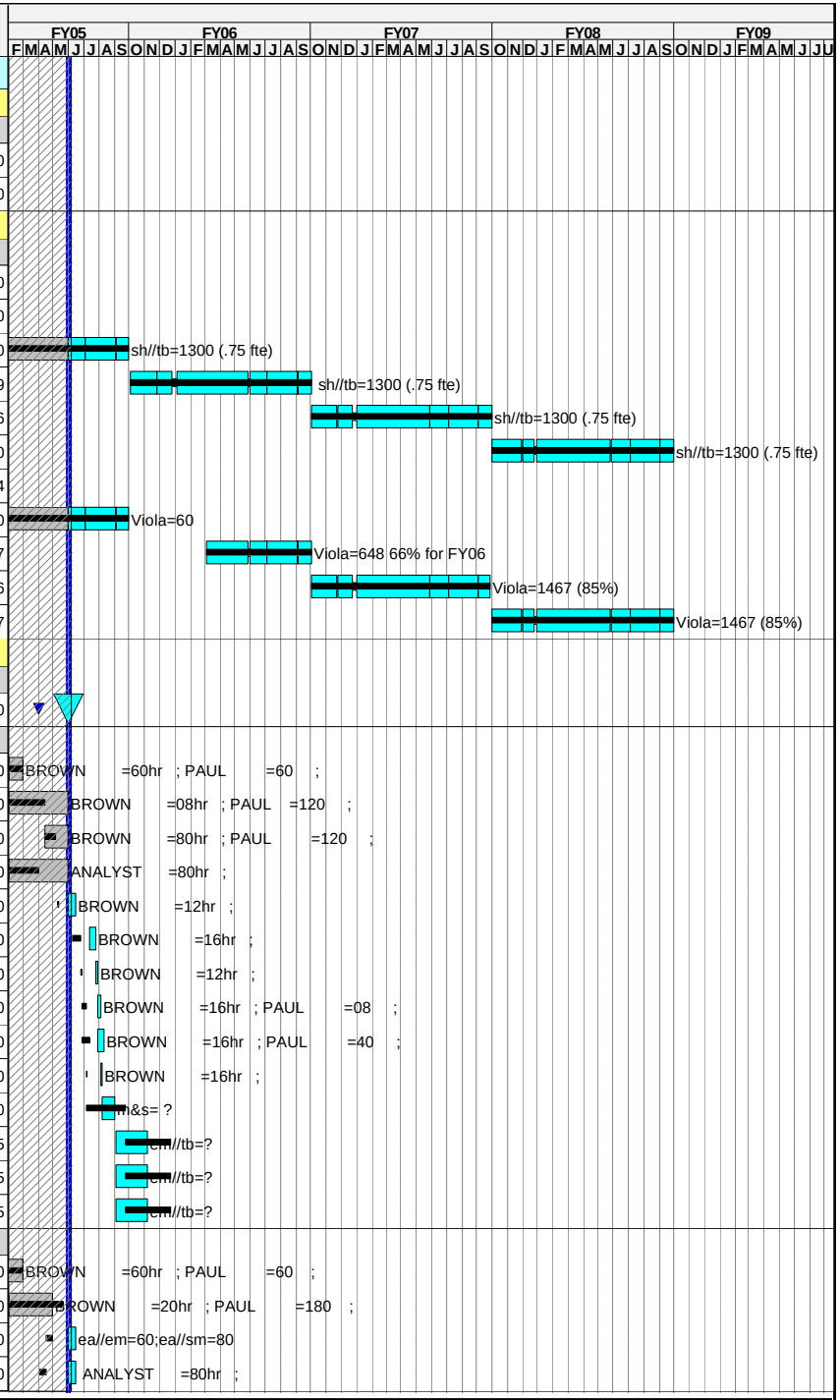
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
18 - Field Period Assembly								
Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)								
Prior Costs								
1801-001	Apr-Sept MIE Costs PPPL	01APR03A	42	30SEP03A		100	7,750.00	7,750.00
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A		100	53,050.00	53,050.00
Job: 1802 - FP Assy Oversight&Support-VIOLA								
Oversight and Supervision								
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04A		LOE	61,119.60	61,119.60
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A		LOE	25,920.40	25,920.40
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04A	249*	30SEP05	1,010	LOE	89,433.05	136,539.00
181.222	HP Coverage in the TFTR TC LOE FY06	03OCT05*	250*	02OCT06	760		0.00	151,697.99
181.220	HP Coverage in the TFTR TC LOE FY07	02OCT06*	250*	01OCT07	511		0.00	155,203.36
181.221	HP Coverage in the TFTR TC LOE FY08	01OCT07*	251*	30SEP08	261		0.00	160,771.00
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A		LOE	77,518.74	77,518.74
181.110	PPPL EM LOE FY05	01OCT04A	249*	30SEP05	1,010	LOE	6,304.51	9,625.20
181.120	PPPL EM LOE FY06	06MAR06*	148*	02OCT06	760		0.00	116,541.57
181.121	PPPL EM LOE FY07	02OCT06*	249*	28SEP07	512		0.00	269,898.66
181.122	PPPL EM LOE FY08	01OCT07*	251*	30SEP08	261		0.00	279,624.87
Job: 1803- FP Assy Toolg/Constructability-BROWN								
0								
1803-0	Constructability Review **TBD***		0	31MAY05	1,102	100	0.00	0.00
1.00-VV Prep Station								
1803-1.01	Concept definition and requirements	01FEB05A	10	28FEB05A		100	16,056.00	16,056.00
1803-1.02	VV Support Fixture - model design& drawing detai	01FEB05A	73	31MAY05A		100	13,604.00	13,604.00
1803-1.04	Metrology -sightline layout metrology support	13APR05A	18	31MAY05A		100	25,502.00	25,502.00
1803-1.05	Structural / Seismic Analysis check	01FEB05A	86*	31MAY05A		100	13,220.00	13,220.00
1803-1.06	Design review PDR VV Prep Station	01JUN05*	9*	13JUN05	399		0.00	1,983.00
1803-1.09	Safety Review documentation / presentation	13JUL05	10	26JUL05	399		0.00	2,644.00
1803-1.061	Design review FDR VV Prep Station	27JUL05*	2	28JUL05	399		0.00	1,983.00
1803-1.07	Design check and sign-off	29JUL05*	5	04AUG05	399		0.00	3,462.80
1803-1.10	Fab / Design Review - follow-up activities	29JUL05*	10	11AUG05	415		0.00	6,738.00
1803-1.08	Prep & Issue Spec,dwgs,and requisition	05AUG05*	1	05AUG05	399		0.00	2,644.00
1803-1.081	Procure Materials	08AUG05	20	02SEP05	399		0.00	12,810.00
1803-1.12	PPPL FAB - VV support Fixture	05SEP05	45	04NOV05	416		0.00	5,249.05
1803-1.13	PPPL FAB VV Prep Station Platform	05SEP05	45	04NOV05	416		0.00	5,249.05
1803-1.14	PPPL FAB VV Prep Station metrology stands	05SEP05	45	04NOV05	416		0.00	5,249.05
2.00-Half Period Assembly								
1803-2.01	Concept definition and requirements	03JAN05A	52*	28FEB05A		100	16,056.00	16,056.00
1803-2.02	MC Holding Fixture - model design and drawing	01FEB05A	79*	29APR05A		100	21,728.00	21,728.00
1803-2.04	Metrology - sightline layout design details metr	01JUN05*	10	14JUN05	1,092		0.00	21,728.00
1803-2.05	Structural / Seismic Analysis check	01JUN05*	10	14JUN05	403		0.00	13,220.00



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PMB Schedule
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NCSX
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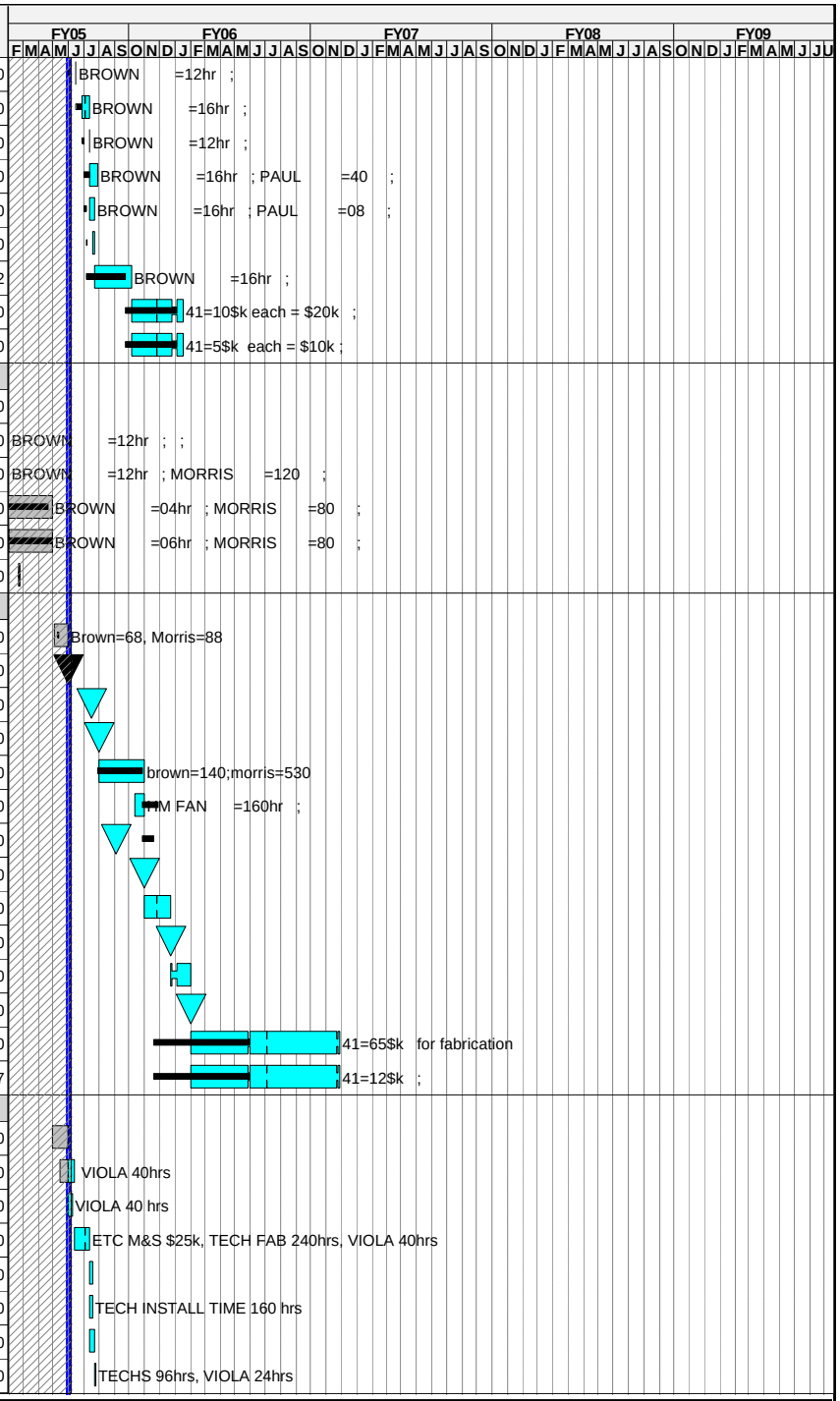
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
1803-2.06	PDR Half Period Assy	15JUN05*	1	15JUN05	403		0.00	1,983.00
1803-2.09	Safety Review documentation / presentation	29JUN05	10	13JUL05	403		0.00	2,644.00
1803-2.061	FDR Half Period Assy	14JUL05*	1	14JUL05	403		0.00	1,983.00
1803-2.10	Fab / Design Review - follow-up activities	15JUL05	10	28JUL05	1,061		0.00	6,738.00
1803-2.07	Design check and sign-off	15JUL05	5	21JUL05	403		0.00	3,462.80
1803-2.08A	Prep & Issue Spec,dwgs,and requisition	21JUL05	1	21JUL05	403		0.00	0.00
1803-2.08	Procurement Lead Time and Award	22JUL05	55	06OCT05	403		0.00	2,665.32
1803-2.11	Fab MC HP Assy Fixtures (2)	07OCT05	65	17JAN06	403		0.00	29,580.00
1803-2.12	Fab MC MC HP Assy Metrology support stands (2)	07OCT05	65	17JAN06	403		0.00	14,790.00
3.00-MC Installation								
1803-3.01	Concept definition and requirements	25OCT04A	5	29OCT04A		100	6,610.00	6,610.00
1803-3.02	MC Turning Fixture and base - model design and d	15NOV04A	48*	31JAN05A		100	1,983.00	1,983.00
1803-3.03	MC Gantry Crane - model design and drawing detai	29NOV04A	40*	31JAN05A		100	14,265.00	14,265.00
1803-3.04	VV support stand - model design and drawing deta	29NOV04A	104*	29APR05A		100	8,849.00	8,849.00
1803-3.05	Platform - design and drawing details	01FEB05A	7	29APR05A		100	9,179.50	9,179.50
1803-3.084	Industry Info Meeting	21FEB05A	1	21FEB05A		100	0.00	0.00
3.10 MC Turning Fixture-Industry Option								
1803-3.10A	Issue dwgs	02MAY05A	30	31MAY05A		100	20,243.80	20,243.80
180303.10A	Issue RFP		0	31MAY05A		100	0.00	0.00
1803-3.10C	Proposals Due		0	15JUL05*	1,070		0.00	0.00
1803-3.14	DECISION ON APPROACH		0	01AUG05	226		0.00	0.00
1803-3.15	PPPL Dsn Turning fixture	02AUG05	65	31OCT05	226		0.00	80,152.60
1803-3.07	Seismic Analysis check	11OCT05*	15	31OCT05	994		0.00	29,371.20
1803-3.15B	PDR Turning fixture & Base		0	05SEP05	266		0.00	0.00
1803-3.15E	FDR Turning fixture & Base		0	31OCT05	226		0.00	0.00
1803-3.07A	Prep Procurement Pkg	01NOV05*	35	21DEC05	226		0.00	0.00
1803-3.08A	Issue RFP		0	21DEC05	226		0.00	0.00
1803-3.08B	Recieve & Evaluate Bids	22DEC05	25	02FEB06	226		0.00	0.00
1803-3.15D	Award Fabrication Contract		0	02FEB06	226		0.00	0.00
1803-3.15C	Fabricate - MC Turning fixture & Base	03FEB06*	210	29NOV06	226		0.00	0.00
1803-3.15A	Fabricate - MC Gantry Crane	03FEB06*	210	29NOV06	226		0.00	17,527.77
3.20 MC Turning Fixture-Crane Option								
1803-3.30	Develop Crane Design Option	01MAY05A	6*	31MAY05A		100	0.00	0.00
1803-3.33	Design Equivalent Test Simulation Model	16MAY05A	19*	10JUN05	226	50	3,208.40	6,416.80
1803-3.36	Design Test Track	01JUN05	7	09JUN05	227		0.00	6,416.80
1803-3.39	Fab Test Track	13JUN05	20	11JUL05	226		0.00	56,326.60
1803-3.40	Site Prep	12JUL05	5	18JUL05	226		0.00	0.00
1803-3.43	Assembly of Test Article	12JUL05	5	18JUL05	226		0.00	11,923.20
1803-3.46	Metrology set-up	15JUL05	5	21JUL05	226		0.00	0.00
1803-3.49	Run Test	22JUL05	3	26JUL05	226		0.00	11,004.00



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PMB Schedule
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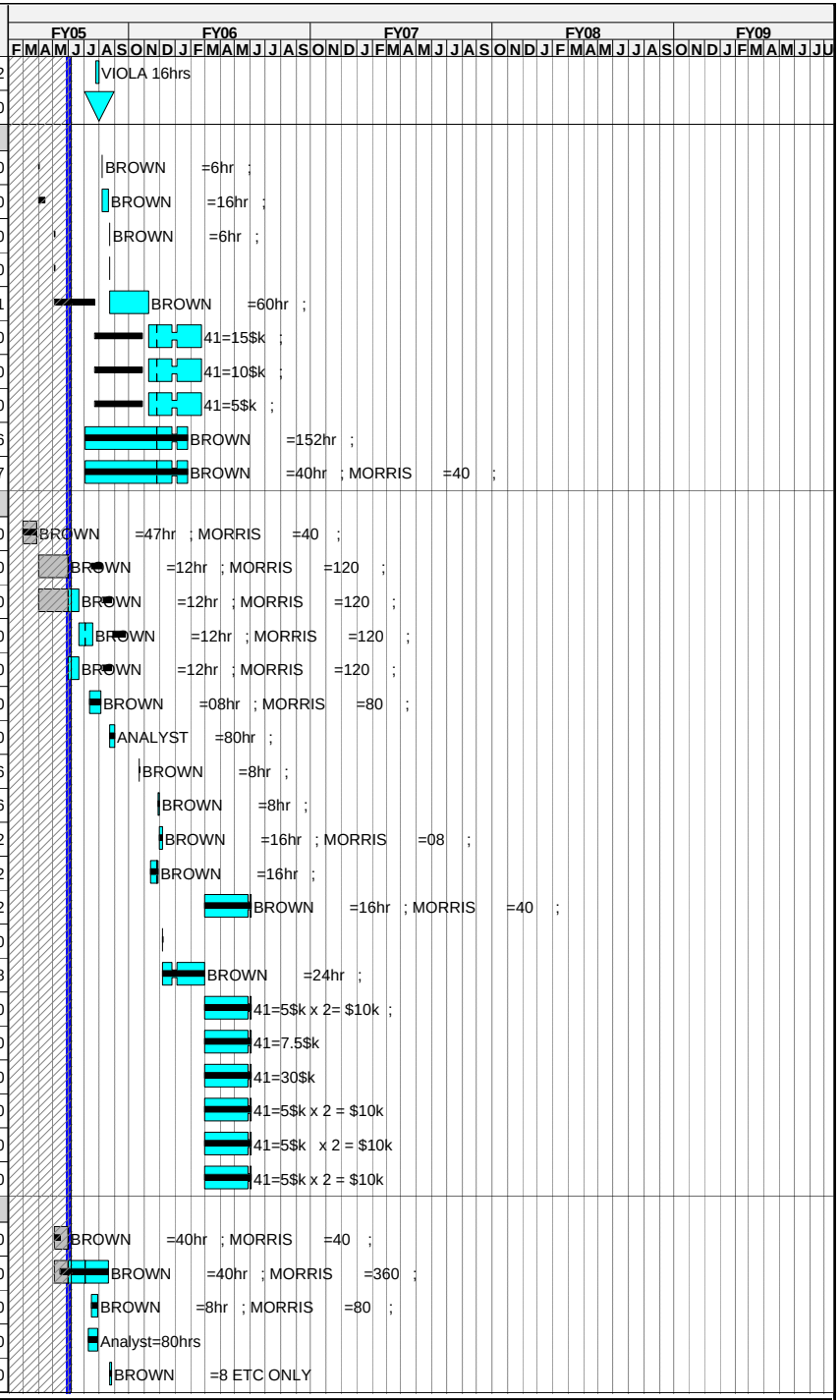
1803-3.50	Test Evaluation and Write up	27JUL05	4	01AUG05	226		0.00	2,566.72
1803-3.52	DECISION ON APPROACH		0	01AUG05	226		0.00	0.00
3.30 MC Assy -Platforms,Suprt Stands,&other								
1803-3.08	** PDR ** Platform & Support Stands	08AUG05*	1	08AUG05	420		0.00	991.50
1803-3.12	Safety Review documentation / presentation	08AUG05*	10	19AUG05	420		0.00	2,644.00
1803-3.081	** FDR ** Platform & Support Stands	22AUG05*	1	22AUG05	420		0.00	991.50
1803-3.110	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	23AUG05	1	23AUG05	420		0.00	0.00
1803-3.101	Procurement lead time platforms & supports	24AUG05	55	08NOV05	420		0.00	10,454.61
1803-3.16	FAB - VV suprt stand & misc crane fixtures	09NOV05	70	24FEB06	420		0.00	22,185.00
1803-3.16A	FAB -Platform	09NOV05	70	24FEB06	420		0.00	14,790.00
1803-3.16B	FAB -MC Installation Metrology sprt stands	09NOV05	70	24FEB06	420		0.00	7,395.00
1803-3.11	Procurement Technical Rep	05JUL05*	140	26JAN06	939		0.00	26,629.66
1803-3.13	Fabrication - follow-up activities	05JUL05*	140	26JAN06	939		0.00	11,348.27
4.00-Final FP Assembly								
1803-4.01	Concept definition and requirements	01MAR05A	5	28MAR05A		100	10,704.00	10,704.00
1803-4.02	MC Support Stand - model design and drawing deta	01APR05A	89*	31MAY05A		100	14,265.00	14,265.00
1803-4.03	TF HP support turning fixture - model design d	01APR05A	15	21JUN05	1,067	50	7,132.50	14,265.00
1803-4.04	FP Assembly platform - model design drawing det	22JUN05	20	20JUL05	1,067		0.00	14,265.00
1803-4.05	VV Port Alignment/Weldment Fixture - design and	01JUN05	15	21JUN05	493		0.00	14,265.00
1803-4.06	Metrology - sightline layout design details metr	13JUL05*	16*	03AUG05	463		0.00	9,510.00
1803-4.07	Structural / Seismic Analysis check	22AUG05*	10*	02SEP05	440		0.00	13,220.00
1803-4.08	PDR Final FP Assy	20OCT05*	1	20OCT05	407		0.00	1,468.56
1803-4.081	FDR Final FP Assy	29NOV05*	1	29NOV05	382		0.00	1,468.56
1803-4.09	Design check and sign-off	30NOV05	5	06DEC05	382		0.00	3,846.72
1803-4.11	Safety Review documentation / presentation	11NOV05	10	28NOV05	382		0.00	2,937.12
1803-4.12	Fabrication - follow-up activities	02MAR06	65	01JUN06	382		0.00	7,485.12
1803-4.10A	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	06DEC05	1	06DEC05	382		0.00	0.00
1803-4.10	Procurement lead time	07DEC05	55	01MAR06	382		0.00	4,405.68
1803-4.13	FAB-MC Support Stands (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00
1803-4.14	Fab -TF HP support and turning fixture (2)	02MAR06*	65	01JUN06	409		0.00	11,092.50
1803-4.15	FAB-FP Assy platforms (2)	02MAR06*	65	01JUN06	382		0.00	44,370.00
1803-4.16	FAB-MC Temporary End Supports (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00
1803-4.17	FAB-Final FP Assy Metrology suprt stands (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00
1803-4.18	FAB-VV Port alignment/weldment fixtures (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00
5.00-TF HP Assembly								
1803-5.001	Concept definition and requirements	02MAY05A	10	31MAY05A		100	10,704.00	10,704.00
1803-5.002	TF Rotation Fixture plus dwgs	02MAY05A	78*	19AUG05	454	50	21,728.00	43,456.00
1803-5.003	Metrology layout/support stand dwgs	18JUL05*	10*	29JUL05	469		0.00	9,510.00
1803-5.004	Structural Analysis	11JUL05*	15*	29JUL05	469		0.00	13,220.00
1803-5.005	PDR	22AUG05*	5	26AUG05	454		0.00	0.00



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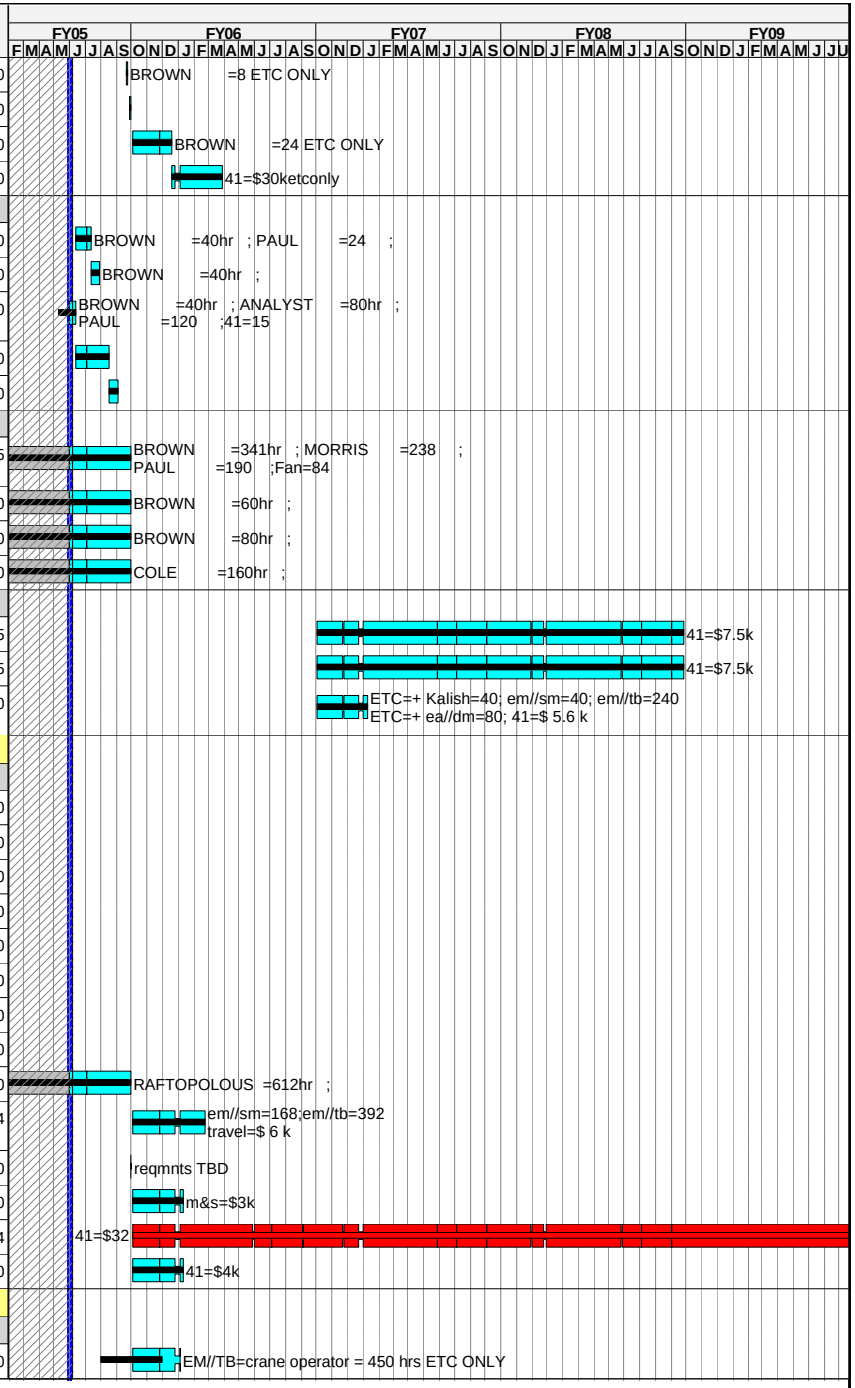
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
1803-5.006	FDR	19SEP05*	5	23SEP05	439		0.00	0.00
1803-5.007	Pre & Issue Specs and Dwgs	26SEP05	5	30SEP05	439		0.00	0.00
1803-5.008	Procurement Lead Time	03OCT05	55	20DEC05	439		0.00	0.00
1803-5.009	Fabricate TF HP Assembly (1)	21DEC05	65	29MAR06	439		0.00	0.00
6.00-Interface/Test Activities								
1803-5.01	Finalize TFTR test cell FPA assembly layout draw	13JUN05*	22*	13JUL05	1,062		0.00	9,066.40
1803-5.02	Establish an assembly interface requirements doc	14JUL05*	10	27JUL05	1,062		0.00	6,610.00
1803-5.03	Design test components as needed to qualify ass	01JUN05*	8*	10JUN05	1,034		0.00	51,327.00
1803-5.04	Fab - Test Articles	13JUN05*	45	15AUG05	1,034		0.00	0.00
1803-5.05	Metrology Validation	16AUG05	15	05SEP05	1,034		0.00	0.00
7.00-Oversight								
1803-7.01	Meetings Prep and Reporting	01NOV04A	230*	30SEP05	1,015	LOE	70,931.04	114,037.05
1803-7.02	Develop and maintain concept definition document	01NOV04A	230*	30SEP05	1,015	LOE	6,167.13	9,915.00
1803-7.03	Develop and maintain assembly plan document	01NOV04A	230*	30SEP05	1,015	LOE	8,222.84	13,220.00
1803-7.04	Mike Cole's FY05 on-site involvement in assembly	01NOV04A	230*	30SEP05	1,015	LOE	15,425.60	24,800.00
Tooling Design & Fabrication								
713A.040	General procurements	02OCT06*	498	26SEP08	263		0.00	10,473.75
713A.050	Welding tools, materials & equipt	02OCT06*	498	26SEP08	263		0.00	10,473.75
713A.060	Instl He gas piping from NSTX to D-site tc	02OCT06*	65	10JAN07	290		0.00	44,271.00
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS								
Metrology								
740.010	Final Design Measurement systems	19JAN04A	181*	30SEP04A		LOE	26,000.00	26,000.00
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A			0.00	0.00
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A			0.00	0.00
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10*	30APR04A		100	171,990.00	171,990.00
740.030A	Romer Arm Training	06JUL04A	3*	08JUL04A		100	0.00	0.00
740.031	Metrology Software Review		0	30JAN04A			0.00	0.00
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A			0.00	0.00
740.045	Purchase- second Faro Arm PE005330	01OCT04A	102	29OCT04A		100	70,455.00	70,455.00
1803-8	Metrology Support (moved from 1803)	01NOV04A	230*	30SEP05	1,015	LOE	62,904.73	101,133.00
740.020	Facility Prep	03OCT05*	95	22FEB06	915		0.00	63,396.64
740.035	Deliver Metrology Software	30SEP05*	1	30SEP05	1,010		0.00	0.00
740.100	Romer CMM- spare probes	03OCT05*	65	11JAN06	945		0.00	4,437.00
740.105	Romer CMM-Software support & warranty renewal	03OCT05*	1,010*	30SEP09	0		0.00	45,633.14
740.110	Romer CMM-Laptop for 2nd arm	03OCT05*	65	11JAN06	945		0.00	5,916.00
Job:1810 - Field Period Assembly-VIOLA								
Prep TFTR TC for Assembly operations								
S0P0-100	Clearout realestate & setup fixturing	03OCT05*	59*	03JAN06	956		0.00	0.00



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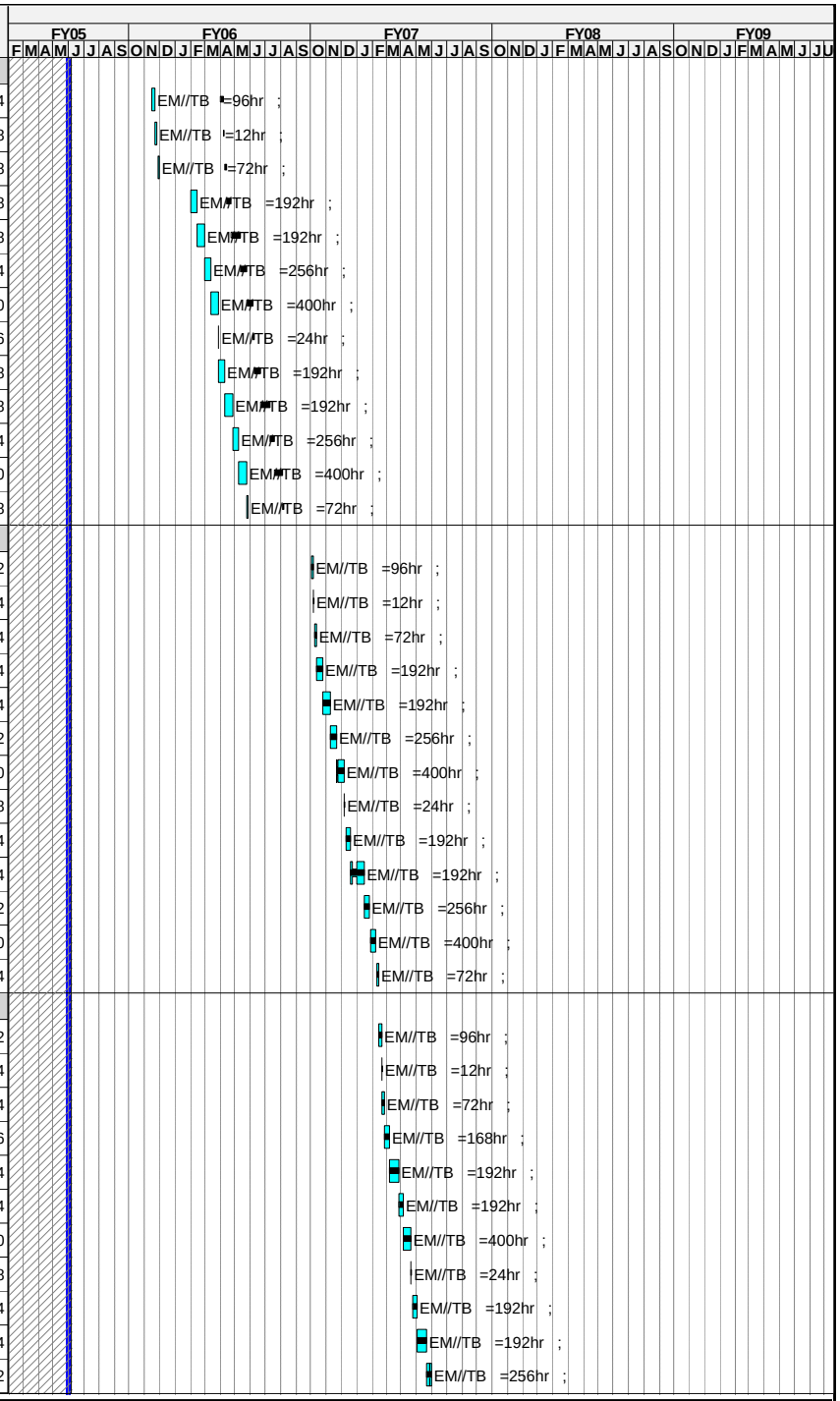
Stage 1 VV Prep (instl diag & insul)FP#1								
S1P1-101	Receive VV and inspect	17NOV05	4	22NOV05	391		0.00	8,019.84
S1P1-102	Mount VV on VV Prep fixture (top side up)	23NOV05	1	23NOV05	391		0.00	1,002.48
S1P1-103	Establish metrology setting; align VV base	28NOV05	3	30NOV05	391		0.00	6,014.88
S1P1-106	Attach studs for coolant lines,insulation on top	02FEB06	8	13FEB06	352		0.00	16,039.68
S1P1-107	Wind magnetic diagnostic sensors to top surface	14FEB06	13	02MAR06	352		0.00	16,039.68
S1P1-108	Install cooling/htg lines to vac vsl top surface	03MAR06	8	14MAR06	352		0.00	21,386.24
S1P1-109	Install insulation to vac vsl to top surface	15MAR06	10	28MAR06	352		0.00	33,416.00
S1P1-110	Flip VV to expose lower surface	29MAR06	1	29MAR06	352		0.00	2,004.96
S1P1-112	Attach studs for coolant lines, insulation bott	30MAR06	8	10APR06	352		0.00	16,039.68
S1P1-113	Wind magnetic diagnostic sensors to bot surface	11APR06	13	27APR06	352		0.00	16,039.68
S1P1-114	Install cooling/htg lines to vac vsl bot surface	28APR06	8	09MAY06	352		0.00	21,386.24
S1P1-115	Install insulation to vac vsl to bot surface	10MAY06	10	23MAY06	352		0.00	33,416.00
S1P1-116	Prepare and transfer completed VV to holding are	24MAY06	3	26MAY06	352		0.00	6,014.88
Stage 1 VV Prep (instl diag & insul)FP#2								
S1P2-101	Receive VV and inspect	02OCT06*	4	05OCT06	264		0.00	8,205.12
S1P2-102	Mount VV on VV Prep fixture (top side up)	06OCT06	1	06OCT06	264		0.00	1,025.64
S1P2-103	Establish metrology setting; align VV base	09OCT06	3	11OCT06	264		0.00	6,153.84
S1P2-106	Attach studs forcoolant lines,insulation on top	12OCT06	8	23OCT06	264		0.00	16,410.24
S1P2-107	Wind magnetic diagnostic sensors to top surface	24OCT06	13	09NOV06	264		0.00	16,410.24
S1P2-108	Install cooling/htg lines to vac vsl top surface	10NOV06	8	21NOV06	264		0.00	21,880.32
S1P2-109	Install insulation to vac vsl to top surface	22NOV06	10	07DEC06	264		0.00	34,188.00
S1P2-110	Flip VV to expose lower surface	08DEC06	1	08DEC06	264		0.00	2,051.28
S1P2-112	Attach studs for coolant lines, insulation bott	11DEC06	8	20DEC06	264		0.00	16,410.24
S1P2-113	Wind magnetic diagnostic sensors to bot surface	21DEC06	13	16JAN07	264		0.00	16,410.24
S1P2-114	Install cooling/htg lines to vac vsl bot surface	17JAN07	8	26JAN07	264		0.00	21,880.32
S1P2-115	Install insulation to vac vsl to bot surface	29JAN07	10	09FEB07	264		0.00	34,188.00
S1P2-116	Prepare and transfer completed VV to holding are	12FEB07	3	14FEB07	264		0.00	6,153.84
Stage 1 VV Prep (instl diag & insul)FP#3								
S1P3-101	Receive VV and inspect	15FEB07	4	20FEB07	264		0.00	8,205.12
S1P3-102	Mount VV on VV Prep fixture (top side up)	21FEB07	1	21FEB07	264		0.00	1,025.64
S1P3-103	Establish metrology setting; align VV base	22FEB07	3	26FEB07	264		0.00	6,153.84
S1P3-106	Attach studs forcoolant lines,insulation on top	27FEB07	7	07MAR07	264		0.00	14,358.96
S1P3-107	Wind magnetic diagnostic sensors to top surface	08MAR07	13	26MAR07	264		0.00	16,410.24
S1P3-108	Install cooling/htg lines to vac vsl top surface	27MAR07	8	05APR07	264		0.00	16,410.24
S1P3-109	Install insulation to vac vsl to top surface	06APR07	10	19APR07	264		0.00	34,188.00
S1P3-110	Flip VV to expose lower surface	20APR07	1	20APR07	264		0.00	2,051.28
S1P3-112	Attach studs for coolant lines, insulation bott	23APR07	8	02MAY07	264		0.00	16,410.24
S1P3-113	Wind magnetic diagnostic sensors to bot surface	03MAY07	13	21MAY07	264		0.00	16,410.24
S1P3-114	Install cooling/htg lines to vac vsl bot surface	22MAY07	8	01JUN07	264		0.00	21,880.32



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0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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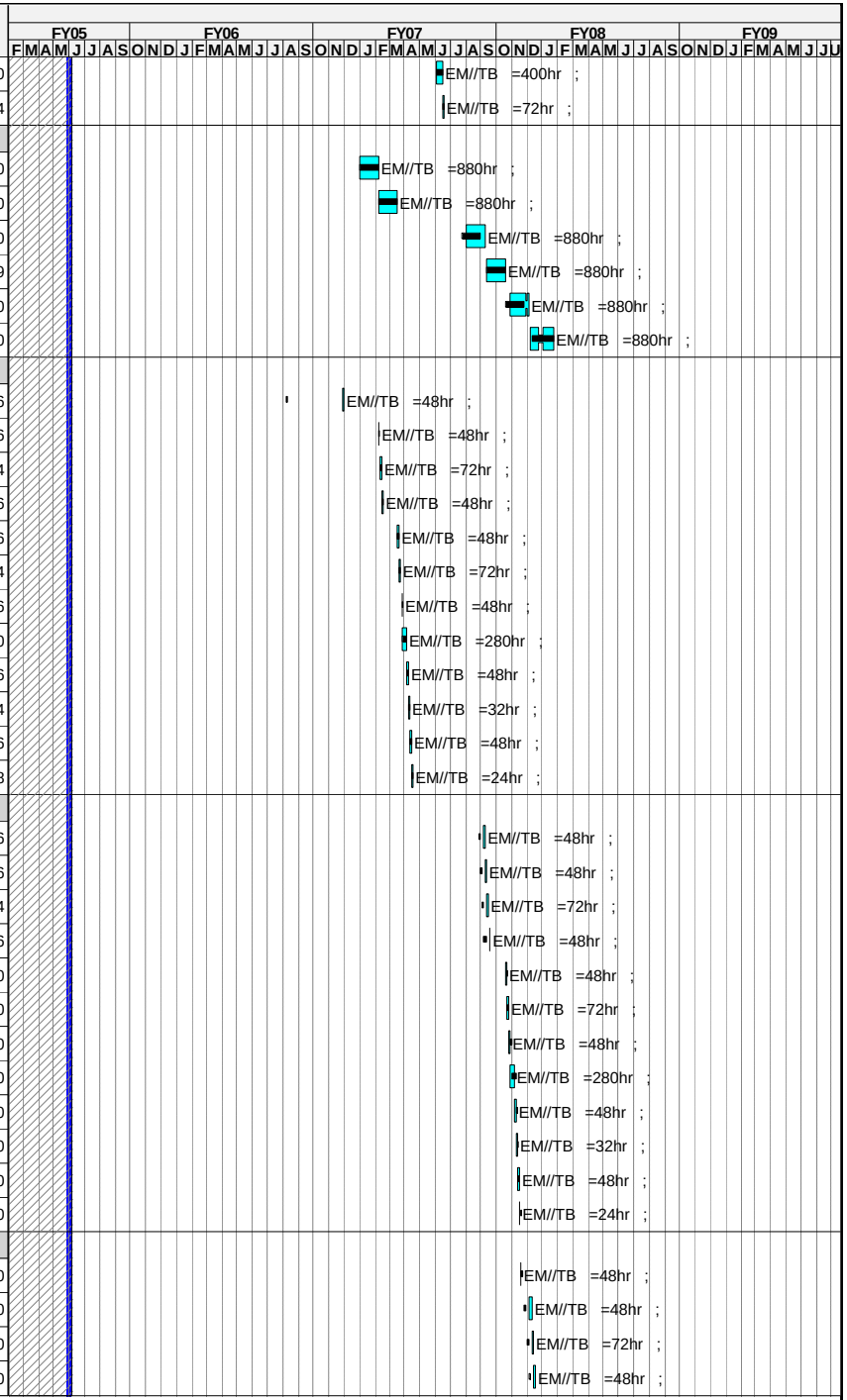
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
S1P3-115	Install insulation to vac vsl to bot surface	04JUN07	10	15JUN07	264		0.00	34,188.00
S1P3-116	Prepare and transfer completed VV to holding are	18JUN07	3	20JUN07	264		0.00	6,153.84
Stage 2 MC HP Sub-assembly (bolt 3 MC together)								
S2P1-100	Assemble Mod-Coils a1.b1,c1 FP 1 left	02JAN07*	27	07FEB07	164		0.00	75,213.60
S2P1-200	Assemble Mod-Coils a2.b2,c2 FP 1 right	08FEB07	27	16MAR07	164		0.00	75,213.60
S2P2-100	Assemble Mod-Coils a3.b3,c3 FP 2 left	02AUG07*	27	07SEP07	130		0.00	75,213.60
S2P2-200	Assemble Mod-Coils a4.b4,c4 FP 2 right	12SEP07	27	18OCT07	108		0.00	76,618.99
S2P3-100	Assemble Mod-Coils a5.b5,c5 FP 3 left	29OCT07	27	06DEC07	147		0.00	77,924.00
S2P3-200	Assemble Mod-Coils a6.b6,c6 FP 3 right	10DEC07	27	24JAN08	126		0.00	77,924.00
Stage 3 MC Instl (rotate MC over Vsl)-FP#1								
S3P1-101	Mount VV to MC turning fixt base; metr check	30NOV06	2	01DEC06	226		0.00	4,102.56
S3P1-102	Mount MC on turning fixt; perform metr checks	08FEB07	2	09FEB07	184		0.00	4,102.56
S3P1-103	Rotate right MC to stand-off position&chk	12FEB07	3	14FEB07	184		0.00	6,153.84
S3P1-104	Transfer load to crane and recheck position	15FEB07	2	16FEB07	184		0.00	4,102.56
S3P1-105	Move MC turning fixt; mount MC on turning fixt	19MAR07	2	20MAR07	164		0.00	4,102.56
S3P1-106	Rotate left MC to stand-off position and check p	21MAR07	3	23MAR07	164		0.00	6,153.84
S3P1-107	Move left & right MC to final position & measure	26MAR07	2	27MAR07	164		0.00	4,102.56
S3P1-108	Install shims (as reqd); ream 24 holes	28MAR07	7	05APR07	164		0.00	23,931.60
S3P1-109	Bolt together at flange interface.	06APR07	2	09APR07	164		0.00	4,102.56
S3P1-110	Perform final metrology position check	10APR07	2	11APR07	164		0.00	2,735.04
S3P1-111	Secure VV to MC's using temporary supports.	12APR07	2	13APR07	164		0.00	4,102.56
S3P1-112	Prep& xfr completed assembly to Stage 4 area	16APR07	1	16APR07	164		0.00	2,051.28
Stage 3 MC Instl (rotate MC over Vsl)-FP#2								
S3P2-101	Mount VV to MC turning fixt base; metr check	06SEP07	2	07SEP07	130		0.00	4,102.56
S3P2-102	Mount MC on turning fixt; perform metr checks	10SEP07	2	11SEP07	130		0.00	4,102.56
S3P2-103	Rotate right MC to stand-off position&chk	12SEP07	3	14SEP07	130		0.00	6,153.84
S3P2-104	Transfer load to crane and recheck position	17SEP07	2	18SEP07	130		0.00	4,102.56
S3P2-105	Move MC turning fixt; mount MC on turning fixt	19OCT07	2	22OCT07	108		0.00	4,250.40
S3P2-106	Rotate left MC to stand-off position and check p	23OCT07	3	25OCT07	108		0.00	6,375.60
S3P2-107	Move left & right MC to final position & measure	26OCT07	2	29OCT07	108		0.00	4,250.40
S3P2-108	Install shims (as reqd); ream 24 holes	30OCT07	7	07NOV07	108		0.00	24,794.00
S3P2-109	Bolt together at flange interface.	08NOV07	2	09NOV07	108		0.00	4,250.40
S3P2-110	Perform final metrology position check	12NOV07	2	13NOV07	108		0.00	2,833.60
S3P2-111	Secure VV to MC's using temporary supports.	14NOV07	2	15NOV07	108		0.00	4,250.40
S3P2-112	Prep& xfr completed assembly to Stage 4 area	16NOV07	1	16NOV07	108		0.00	2,125.20
Stage 3 MC Instl (rotate MC over Vsl)-FP#3								
S3P3-101	Mount VV to MC turning fixt base; metr check	19NOV07	2	20NOV07	157		0.00	4,250.40
S3P3-102	Mount MC on turning fixt; perform metr checks	07DEC07	2	10DEC07	147		0.00	4,250.40
S3P3-103	Rotate right MC to stand-off position&chk	11DEC07	3	13DEC07	147		0.00	6,375.60
S3P3-104	Transfer load to crane and recheck position	14DEC07	2	17DEC07	147		0.00	4,250.40



Run Date 10JUN05 10:55

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

NCSX
STATUS THROUGH MAY 30
AGAINST ECP-30

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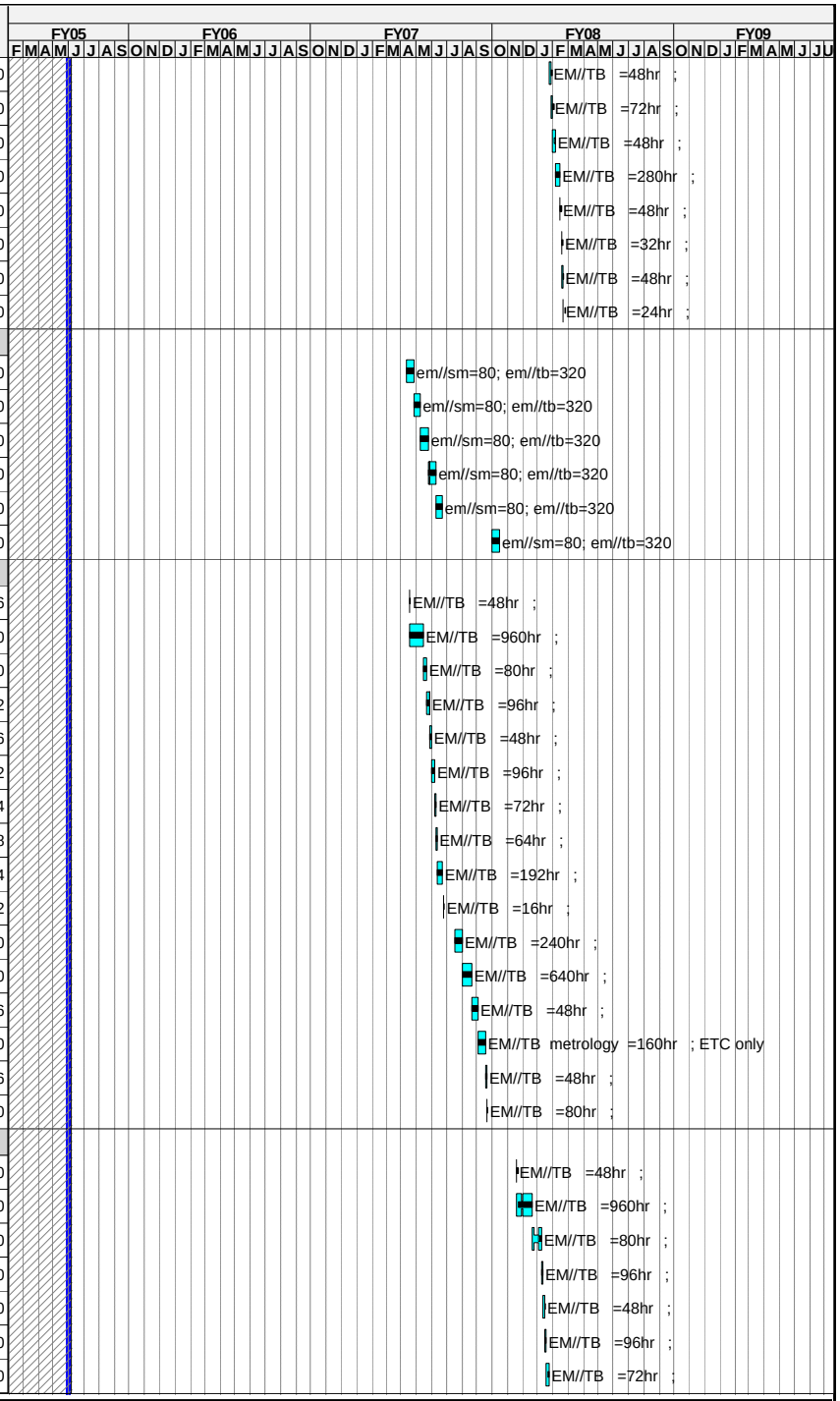
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
S3P3-105	Move MC turning fixt; mount MC on turning fixt	25JAN08	2	28JAN08	126		0.00	4,250.40
S3P3-106	Rotate left MC to stand-off position and check p	29JAN08	3	31JAN08	126		0.00	6,375.60
S3P3-107	Move left & right MC to final position & measure	01FEB08	2	04FEB08	126		0.00	4,250.40
S3P3-108	Install shims (as reqd); ream 24 holes	05FEB08	7	13FEB08	126		0.00	24,794.00
S3P3-109	Bolt together at flange interface.	14FEB08	2	15FEB08	126		0.00	4,250.40
S3P3-110	Perform final metrology position check	18FEB08	2	19FEB08	126		0.00	2,833.60
S3P3-111	Secure VV to MC's using temporary supports.	20FEB08	2	21FEB08	126		0.00	4,250.40
S3P3-112	Prep& xfr completed assembly to Stage 4 area	22FEB08	1	22FEB08	126		0.00	2,125.20
Station 5 - TF HP Pre-Assy (bolt 3 TF together)								
184-100	Assemble 3 TF coils&structure -Left-Period #1	13APR07	10	26APR07	177		0.00	36,985.60
184-105	Assemble 3 TF coils&structure -Right -Period #1	27APR07	10	10MAY07	177		0.00	36,985.60
184-110	Assemble 3 TF coils&structure -Left-Period #2	11MAY07	10	24MAY07	253		0.00	36,985.60
184-115	Assemble 3 TF coils&structure -Right -Period #2	25MAY07	10	08JUN07	253		0.00	36,985.60
184-120	Assemble 3 TF coils&structure -Left -Period #3	11JUN07	10	22JUN07	300		0.00	36,985.60
184-125	Assemble 3 TF coils&structure -Right -Period #3	02OCT07	10	15OCT07	231		0.00	38,318.40
Stage 4 - Final FP Assy (Instl ports & TF's)FP#1								
S4P1-101	Mount MC/VV assembly to support frame a	17APR07	2	18APR07	164		0.00	4,102.56
S4P1-102	Position and weld all ports to VV	19APR07	20	16MAY07	164		0.00	82,051.20
S4P1-103	Inspect Welds	17MAY07	5	23MAY07	164		0.00	6,837.60
S4P1-104	Assemble left TF Coil Assembly check position	24MAY07	3	29MAY07	164		0.00	8,205.12
S4P1-105	Change platforms	30MAY07	2	31MAY07	164		0.00	4,102.56
S4P1-106	Assemble right TF Coil Assembly chk position	01JUN07	3	05JUN07	164		0.00	8,205.12
S4P1-107	Attach TF coils to MC's	06JUN07	3	08JUN07	164		0.00	6,153.84
S4P1-108	Change platforms	11JUN07	2	12JUN07	164		0.00	5,470.08
S4P1-109	Position, weld two large horizontal diag ports	13JUN07	8	22JUN07	164		0.00	16,410.24
S4P1-110	Inspect Welds	25JUN07	1	25JUN07	164		0.00	1,367.52
S4P1-111	Assemble external trim coils to TF Coil	18JUL07	10	31JUL07	148		0.00	20,512.80
S4P1-112	Close up VV, bakeout 350 deg C, leak check	01AUG07	20	20AUG07	219		0.00	54,700.80
S4P1-113	Adjust final support base interfaces	21AUG07	10	03SEP07	148		0.00	4,102.56
S4P1-113.5	Final metrology outside & inside	04SEP07	10	17SEP07	148		0.00	0.00
S4P1-114	Prepare Field Period for shipment	18SEP07	2	19SEP07	148		0.00	4,102.56
S4P1-115	Transfer completed assy to C-site test cell	20SEP07	2	21SEP07	148		0.00	6,837.60
Stage 4 - Final FP Assy (Instl ports & TF's)FP#2								
S4P2-101	Mount MC/VV assembly to support frame a	19NOV07	2	20NOV07	108		0.00	4,250.40
S4P2-102	Position and weld all ports to VV	21NOV07	20	20DEC07	108		0.00	85,008.00
S4P2-103	Inspect Welds	21DEC07	5	07JAN08	108		0.00	7,084.00
S4P2-104	Assemble left TF Coil Assembly check position	08JAN08	3	10JAN08	108		0.00	8,500.80
S4P2-105	Change platforms	11JAN08	2	14JAN08	108		0.00	4,250.40
S4P2-106	Assemble right TF Coil Assembly chk position	15JAN08	3	17JAN08	108		0.00	8,500.80
S4P2-107	Attach TF coils to MC's	18JAN08	3	22JAN08	108		0.00	6,375.60



Run Date **10JUN05 10:55**

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0505

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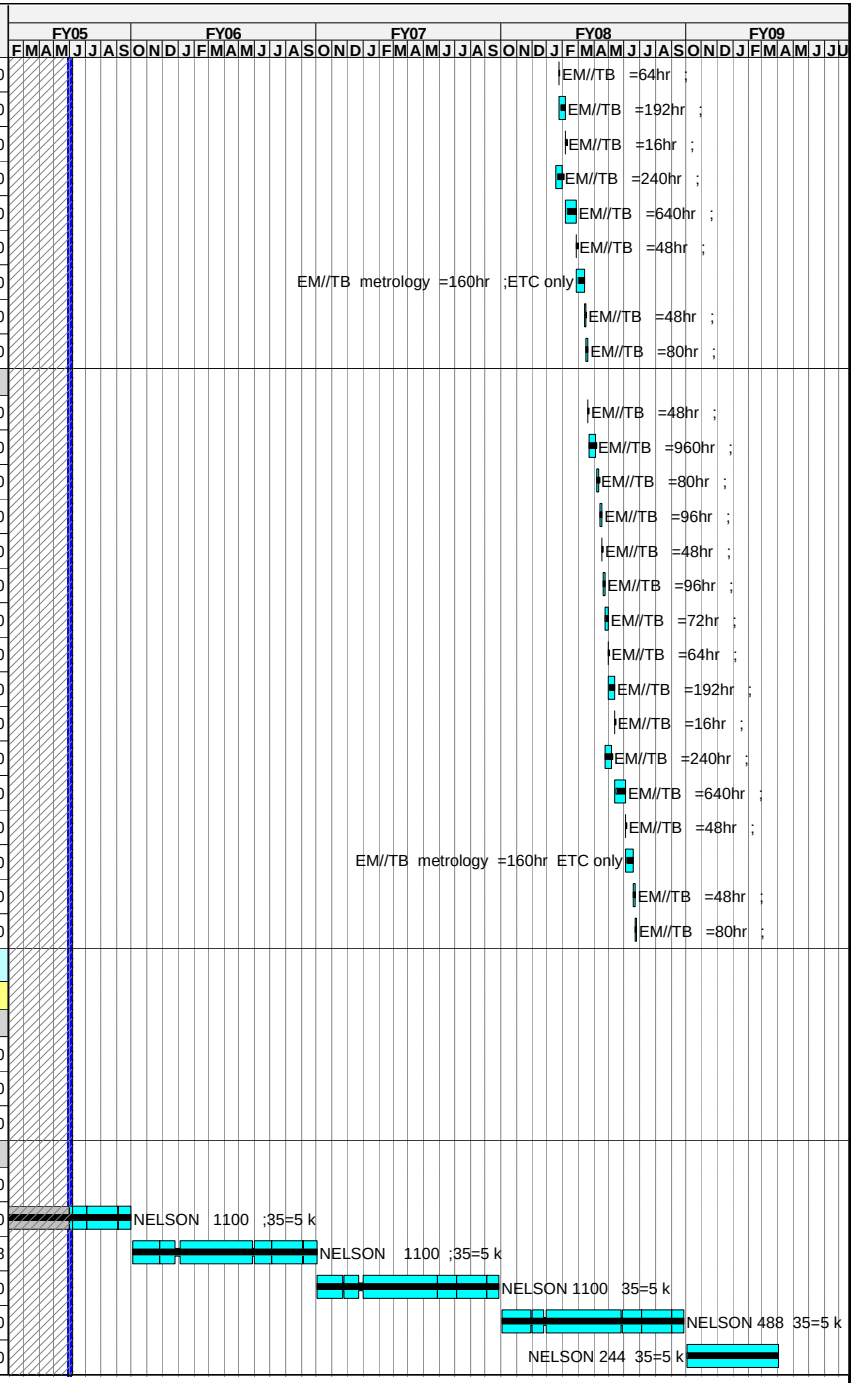
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
S4P2-108	Change platforms	23JAN08	2	24JAN08	108		0.00	5,667.20
S4P2-109	Position, weld two large horizontal diag ports	25JAN08	8	05FEB08	108		0.00	17,001.60
S4P2-110	Inspect Welds	06FEB08	1	06FEB08	108		0.00	1,416.80
S4P2-111	Assemble external trim coils to TF Coil	18JAN08	10	31JAN08	112		0.00	21,252.00
S4P2-112	Close up VV, bakeout 350 deg C, leak check	07FEB08	20	26FEB08	152		0.00	56,672.00
S4P2-113	Adjust final support base interfaces	27FEB08	2	28FEB08	108		0.00	4,250.40
S4P2-113.5	Final metrology outside & inside	29FEB08	10	13MAR08	108		0.00	0.00
S4P2-114	Prepare Field Period for shipment	14MAR08	2	17MAR08	108		0.00	4,250.40
S4P2-115	Transfer completed assy to C-site test cell	18MAR08	2	19MAR08	108		0.00	7,084.00
Stage 4 - Final FP Assy (Instl ports & TF's)FP#3								
S4P3-101	Mount MC/VV assembly to support frame a	20MAR08	2	21MAR08	108		0.00	4,250.40
S4P3-102	Position and weld all ports to VV*2 shift*	24MAR08	10	04APR08	108		0.00	85,008.00
S4P3-103	Inspect Welds	07APR08	5	11APR08	108		0.00	7,084.00
S4P3-104	Assemble left TF Coil Assembly check position	14APR08	3	16APR08	108		0.00	8,500.80
S4P3-105	Change platforms	17APR08	2	18APR08	108		0.00	4,250.40
S4P3-106	Assemble right TF Coil Assembly chk position	21APR08	3	23APR08	108		0.00	8,500.80
S4P3-107	Attach TF coils to MC's	24APR08	3	28APR08	108		0.00	6,375.60
S4P3-108	Change platforms	29APR08	2	30APR08	108		0.00	5,667.20
S4P3-109	Position, weld two large horizontal diag ports	01MAY08	8	12MAY08	108		0.00	17,001.60
S4P3-110	Inspect Welds	13MAY08	1	13MAY08	108		0.00	1,416.80
S4P3-111	Assemble external trim coils to TF Coil	24APR08	10	07MAY08	112		0.00	21,252.00
S4P3-112	Close up VV, bakeout 350 deg C, leak check	14MAY08	20	02JUN08	150		0.00	56,672.00
S4P3-113	Adjust final support base interfaces	03JUN08	2	04JUN08	108		0.00	4,250.40
S4P3-113.5	Final metrology outside & inside	05JUN08	10	18JUN08	108		0.00	0.00
S4P3-114	Prepare Field Period for shipment	19JUN08	2	20JUN08	108		0.00	4,250.40
S4P3-115	Transfer completed assy to C-site test cell	23JUN08	2	24JUN08	108		0.00	7,084.00
19 - Stellarator Core Management and Integration								
Job: 1901 - Stellarator Core Mngtt&Integr-NELSON								
Prior Costs								
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A		100	187,090.00	187,090.00
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	248	30SEP03A		100	67,070.00	67,070.00
1901-ECP16	ecp16	01OCT03A	250*	30SEP04A		LOE	30,000.00	30,000.00
191 - Stellarator Core Management & Oversight								
191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	250*	30SEP04A		LOE	101,500.00	101,500.00
0191-5	LOE-FY05 WBS 191	01OCT04A	249*	30SEP05	1,010	LOE	117,130.38	178,825.00
0191-6	LOE-FY06 WBS 191	03OCT05*	250*	02OCT06	513	LOE	0.00	194,644.18
0191-6X	LOE-FY07 WBS 191	03OCT06*	247	27SEP07	513	LOE	0.00	198,175.00
0191-7	LOE-FY08 WBS 191	03OCT07*	247	26SEP08	263	LOE	0.00	96,592.00
191-8	LOE-FY089 WBS 191	03OCT08*	130	02APR09	129	LOE	0.00	54,784.00



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PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

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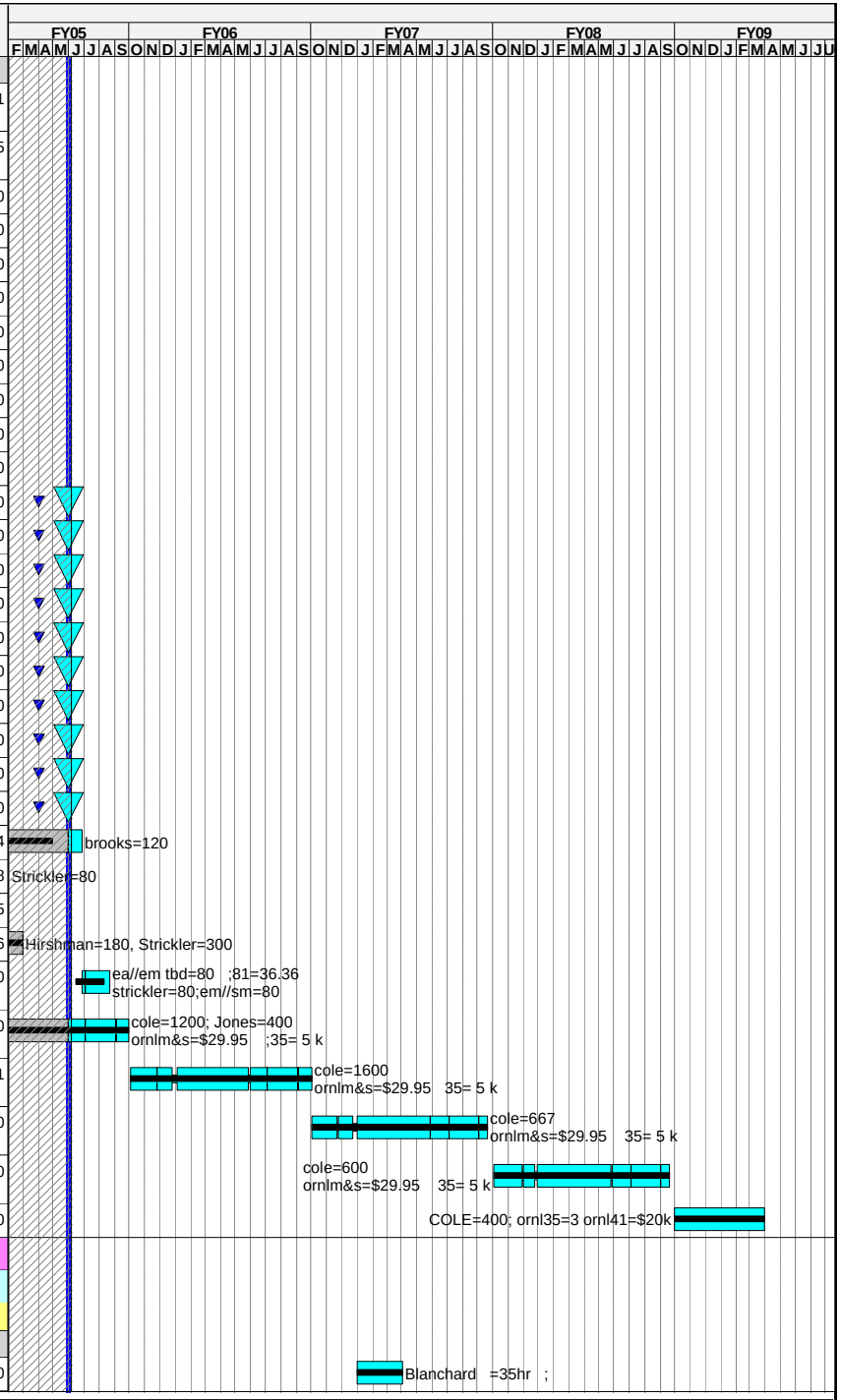
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
192 - Stellarator Core Integration & Analysis								
192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	250*	30SEP04A		LOE	234,660.11	234,660.11
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	250*	30SEP04A		LOE	36,676.65	36,676.65
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	271	30SEP04A		LOE	42,333.00	42,333.00
192-6.07	Time constant calcs using SPARK	01APR04A	42*	28MAY04A		100	6,180.00	6,180.00
192-6.08	Indep check time constant calcs using EDDYCUFF	01MAY04A	138*	30SEP04A		100	10,295.20	10,295.20
192-6.09	Revised VV geometry	02FEB04A	6	27FEB04A		100	3,090.00	3,090.00
192-6.10	MC interf during assly, geometry, assly trajecto	02FEB04A	31	27FEB04A		100	32,957.60	32,957.60
192-6.11	Range of motion reqts for Assly MC fixture.	02FEB04A	20	27FEB04A		100	17,507.60	17,507.60
192-6.12	Final Check & Verification	01MAY04A	6	28MAY04A		100	3,708.00	3,708.00
192-6.2	Final Mod Coil Trajectories		0	27FEB04A			0.00	0.00
192-6.5	Structural Design criteria		0	28MAY04A		100	0.00	0.00
192-4.1	Self consistent models/dwgs f/ Mod Coil & VV FDR		0	31MAY05*	1,096	100	0.00	0.00
192-4.2	Self consistent models/dwgs Conv Coils&sprt strc		0	31MAY05*	1,096		0.00	0.00
192-4.4	Stellarator Core Assy dwgs & assy sequence		0	31MAY05*	1,096		0.00	0.00
192-5.1	\VV Helium Line Models		0	31MAY05*	1,096		0.00	0.00
192-5.2	Mod Coil LN2 Lines Layouts		0	31MAY05*	1,096		0.00	0.00
192-5.3	Mod Coil Leads Layouts		0	31MAY05*	1,096		0.00	0.00
192-5.4	PF Coil Leads & Services Layouts		0	31MAY05*	1,096		0.00	0.00
192-5.5	TF Coil leads & Services Layouts		0	31MAY05*	1,096		0.00	0.00
192-5.6	External Trim Coil Leads /services Layouts		0	31MAY05*	1,096		0.00	0.00
192-6.3	Best fit for mod coil assy on winding measuremen		0	31MAY05*	1,096		0.00	0.00
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	250	28JUN05	1,082	95	18,286.11	19,248.54
192-6.02	Check critical coil tolerance calculations.	01APR04A	207*	31JAN05A		100	11,098.48	11,098.48
192-6.03	Method for determining current center	01FEB04A	234*	30DEC04A		100	86,626.35	86,626.35
192-6.06	Coil positions to minimize islands.	02FEB04A	270	28FEB05A		100	66,401.76	66,401.76
192-6.031	Demo Method for current center on TRC	27JUN05	40	22AUG05	1,044		0.00	70,381.60
0192-5	LOE-FY05 WBS 192	01OCT04A	249*	30SEP05	1,010	LOE	184,718.19	282,012.50
0192-6	LOE-FY06 WBS 192	03OCT05*	250	02OCT06	518	LOE	0.00	304,830.01
0192-6X	LOE-FY07 WBS 192	03OCT06*	242	20SEP07	518	LOE	0.00	154,710.60
0192-7	LOE-FY08 WBS 192	03OCT07*	242	19SEP08	268	LOE	0.00	148,147.40
0192-99	LOE-FY09	01OCT08*	130	31MAR09	131	LOE	0.00	98,650.00
2 - Plasma Heating, Fueling & Vac Systems								
21 - Fueling Systems								
ECP 16 October 2004								
21-10	Eng. Work Planning and Design	02JAN07*	65	02APR07	233		0.00	6,439.30



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PMB Schedule
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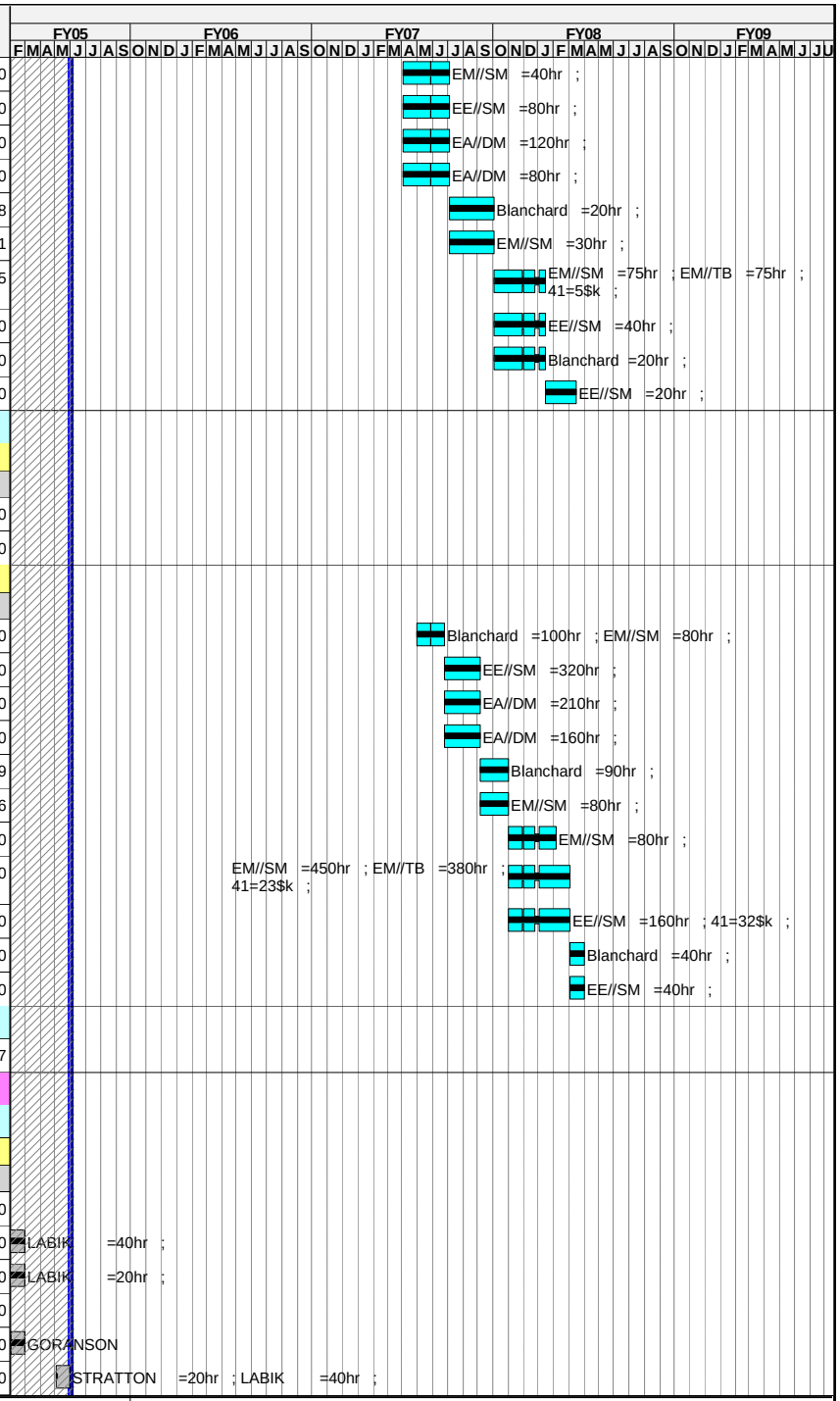
21-15	Design Gas Handling Hardware	03APR07	65	03JUL07	233		0.00	4,817.60
21-20	Design PLC Controls	03APR07	65	03JUL07	298		0.00	10,052.80
21-25	Electrical Drafting for pumping system	03APR07	65	03JUL07	298		0.00	13,959.60
21-30	Drafting	03APR07	65	03JUL07	298		0.00	9,306.40
21-35	Eng. Work Planning and Design during fab	04JUL07	65	02OCT07	298		0.00	3,683.68
21-40	Fabrication/Install Hardware	04JUL07	65	02OCT07	233		0.00	3,617.21
21-45	Fabrication/installation	03OCT07	65	14JAN08	233		0.00	23,039.75
21-55	Install PLC Controls	03OCT07	65	14JAN08	233		0.00	5,207.60
21-60	Integrated Systems Testing/Eng	03OCT07	65	14JAN08	233		0.00	3,812.20
21-65	Integrated Systems Testing/Tech Support	15JAN08	45	17MAR08	233		0.00	2,603.80
22 - Torus Vacuum Pumping Systems								
Job: 2001-VPS,Gas& Cond Sys Oversight-BLANCHARD								
Prior Costs								
2001-001	Apr-May MIE Cost	01APR03A	43*	30MAY03A		100	38,000.00	38,000.00
2001-100	PDR Support	01JUN03A	164*	30SEP03A		LOE	25,667.20	25,667.20
22-25	Eng. Work Planning and Design	01MAY07*	40	26JUN07	230		0.00	28,033.20
22-30	Design PLC based control system	27JUN07	50	04SEP07	270		0.00	40,211.20
22-35	Electrical Drafting for pumping system	27JUN07	50	04SEP07	290		0.00	24,429.30
22-40	Drafting	27JUN07	50	04SEP07	230		0.00	18,612.80
22-45	Eng. Work Planning and Design during fab	05SEP07	40	30OCT07	250		0.00	16,886.39
22-50	Perform maint. & repair of pmpg sys	05SEP07	40	30OCT07	230		0.00	9,826.16
22-55	Repair and Calibration of vac instrumentation	31OCT07	60	04FEB08	250		0.00	9,982.40
22-60	Fabrication/installation	31OCT07	80	03MAR08	230		0.00	122,184.00
22-65	Fab PLC conrols	31OCT07	80	03MAR08	230		0.00	65,886.40
22-70	Integrated Systems Testing/Eng	04MAR08	20	31MAR08	230		0.00	7,624.40
22-75	Integrated Systems Testing/Tech Support	04MAR08	20	31MAR08	230		0.00	5,207.60
+ 25 - Neutral Beam Injection System								
		01APR03A	385	30SEP04A			284,367.67	284,367.67
3 - Diagnostics								
31 - Magnetic Diagnostics								
Job: 3101 Magnetic Diagnostics								
Vacuum Vessel Saddle Loops								
3101-105	DEVELOP LOCATING, MOUNTING STRATEGY	01JAN05A	20	31JAN05A		100	1,000.00	1,000.00
3101-109	INTEGRATE LOOP AND LEAD DESIGN WITH H/C	01JAN05A	40	28FEB05A		100	6,416.80	6,416.80
3101-113	INTEGRATE LAYOUT, MEAS NEEDS W/ VSL METRO	01JAN05A	40	28FEB05A		100	3,208.40	3,208.40
3101-117	DEVELOP CONSTRAINTS FOR ARRAY LAYOUT	01JAN05A	20	31JAN05A		100	0.00	0.00
3101-121	LAYOUT CANDIDATE SENSOR ARRAY ON PRO-E VV	01FEB05A	20	28FEB05A		100	0.00	0.00
3101-125	PDR PREP -VESSEL SADDLE LOOP MOUNTING	02MAY05A	5	31MAY05A		100	9,483.60	9,483.60



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PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

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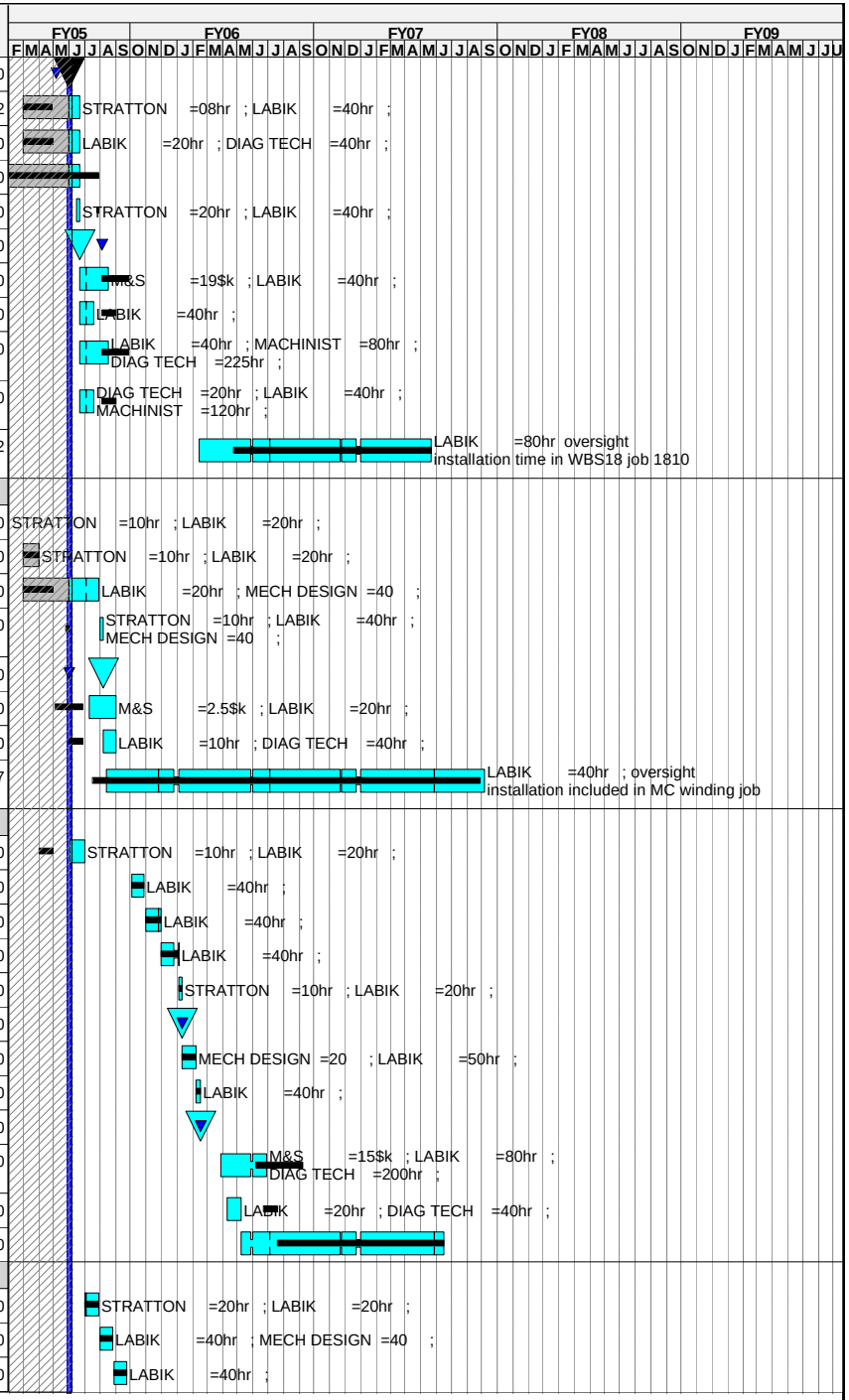
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
3101-126	PEER REVIEW -VESSEL SADDLE LOOP MOUNTING		0	31MAY05A		100	0.00	0.00
3101-129	DESIGN AND PROTOTYPE SADDLE LOOP	01MAR05A	54	20JUN05	473	50	3,821.76	7,643.52
3101-133	Prototype loops on vsl proto segment using ARI	01MAR05A	54	20JUN05	473	40	2,475.68	6,189.20
3101-137	FINAL OPTIMIZATION OF LOOP LOCATION, AREA	01JAN05A	148	20JUN05	473		0.00	0.00
3101-141	FDR PREP- VESSEL SADDLE LOOPS	14JUN05	5	20JUN05	473		0.00	9,483.60
3101-142	FDR - VESSEL SADDLE LOOPS		0	20JUN05	473		0.00	0.00
3101-145	PROCURE MATERIALS	21JUN05	40	16AUG05	473		0.00	30,883.90
3101-149	PREPARE METROLOGY	21JUN05	20	19JUL05	482		0.00	6,416.80
3101-153	FAB TERMINATION BOXES & CLAMPS	21JUN05	40	16AUG05	473		0.00	31,585.40
3101-157	Design Tooling	21JUN05	20	19JUL05	493		0.00	20,509.60
3101-161	SUPT LOOP INSTL 200 LOOPS), TERMINATION,TESTING	14FEB06	320*	21MAY07	264		0.00	14,549.92
Modular Coil C-wound Loops								
3101-205	MOUNTING/LOCATING STRATEGY MC CO-WOUND	01JAN05A	20	31JAN05A		100	3,208.40	3,208.40
3101-209	PROTOTYPE ON TWISTED RACETRACK	01MAR05A	20	31MAR05A		100	4,741.80	4,741.80
3101-213	DESIGN TERMINATION	01MAR05A	53	29JUL05	148	90	1,518.90	7,302.40
3101-217	FDR PREP- MC CO-WOUND LOOP	01AUG05	5	05AUG05	148		0.00	12,044.20
3101-218	FDR - MC CO-WOUND LOOP		0	05AUG05*	148		0.00	0.00
3101-221	PROCURE MATERIALS	11JUL05	40	02SEP05	1,035		0.00	6,410.90
3101-225	FAB TERMINATION BOXES	08AUG05	20	02SEP05	1,035		0.00	4,585.00
3101-229	SUPPORT NSTALLATION, TERMINATION, TESTING	15AUG05	520*	06SEP07	134		0.00	7,215.77
Rogowski Coils								
3101-301	LAYOUT LOCATION ROWGOSKI COIL &EST COIL	02JUN05*	20	29JUN05	447		0.00	4,741.80
3101-305	ROWGOWSKI COIL DESIGN	03OCT05*	20	28OCT05	381		0.00	7,192.80
3101-309	DESIGN COIL MOUNTING TECHNIQUE	31OCT05	20	29NOV05	381		0.00	7,192.80
3101-313	DESIGN LEAD ROUTING AND TERMINATION	30NOV05	20	04JAN06	381		0.00	7,192.80
3101-317	PDR PREP- ROWGOWSKI COIL	05JAN06	5	11JAN06	381		0.00	5,299.70
3101-318	PDR - ROWGOWSKI COIL		0	11JAN06	381		0.00	0.00
3101-321	DETAILED DESIGN OF ROWGOWSKI COILS,	12JAN06	20	08FEB06	381		0.00	11,265.00
3101-325	FDR PREP ROWGOSKI COIL	09FEB06	5	15FEB06	381		0.00	7,192.80
3101-326	FDR - ROWGOSKI COIL		0	15FEB06	381		0.00	0.00
3101-329	FAB ROWGOWSKI COILS (2)	29MAR06	65	28JUN06	352		0.00	53,278.60
3101-333	FAB TERMINATIONS	12APR06	20	09MAY06	352		0.00	6,938.00
3101-337	INSTALL COILS AND TERMINATIONS	10MAY06	277*	15JUN07	264		0.00	0.00
TF Co-wound Loops								
3101-401	MOUNTING/LOCATING TECHNIQUE TF CO-WOUND	01JUL05*	20	29JUL05	427		0.00	6,275.20
3101-405	DESIGN TERMINATION	01AUG05	20	26AUG05	427		0.00	10,510.80
3101-409	FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	29AUG05	20	23SEP05	427		0.00	6,416.80



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PMB Schedule
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Critical Activity

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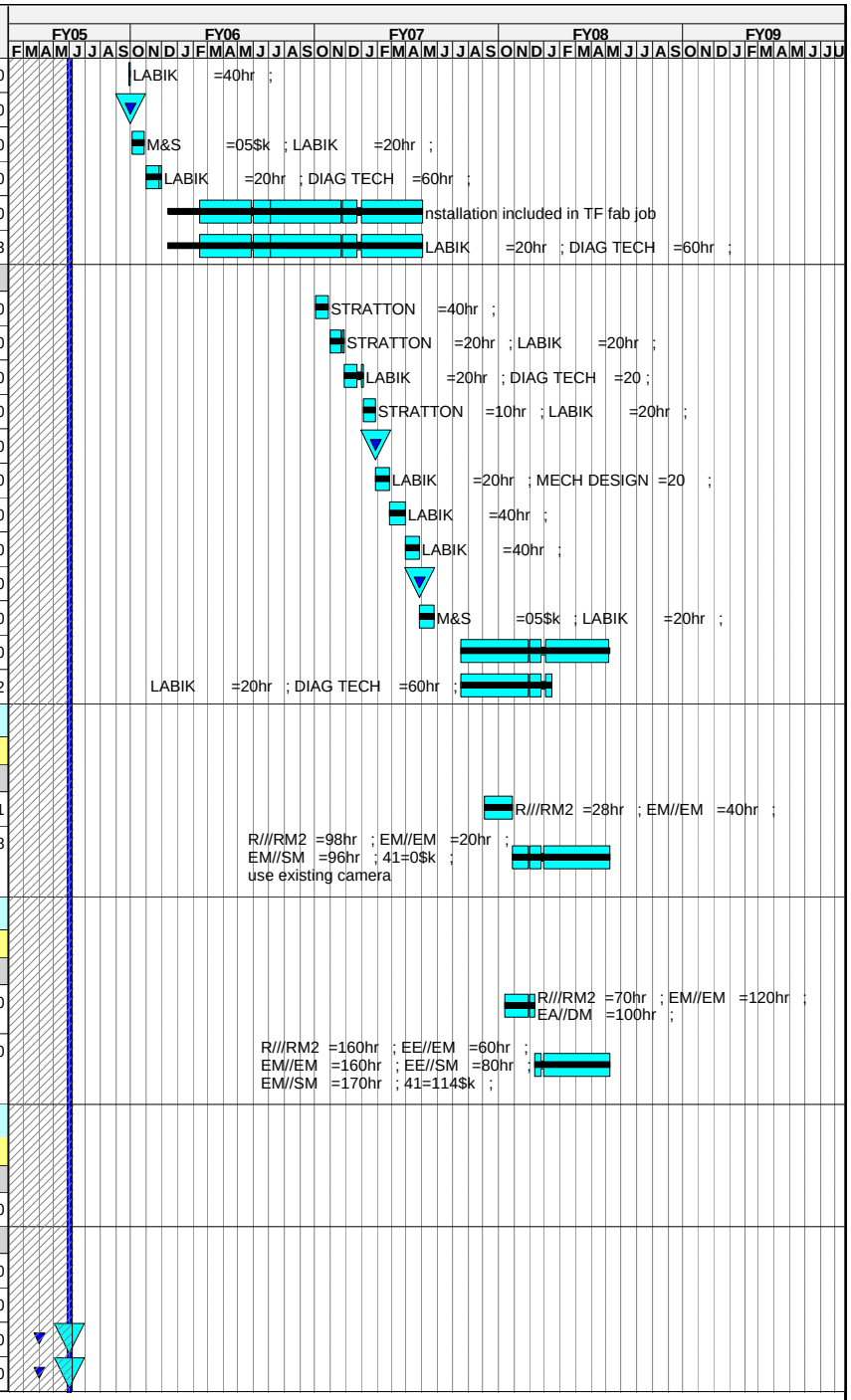
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
3101-413	FDR PREP- TF CO-WOUND LOOPS	26SEP05	5	30SEP05	427		0.00	6,416.80
3101-414	FDR - TF CO-WOUND LOOPS		0	30SEP05	427		0.00	0.00
3101-417	PROCURE MATERIALS	03OCT05	20	28OCT05	427		0.00	10,991.40
3101-421	FAB TERMINATIONS	31OCT05	20	29NOV05	427		0.00	8,608.80
3101-425	INSTALL TF CO-WOUND LOOPS	14FEB06	308*	03MAY07	315		0.00	0.00
3101-429	INSTALL TERMINATIONS	14FEB06	308*	03MAY07	315		0.00	8,703.13
Modular Coil Shell Saddle Loops								
3101-501	DETERMINE NUMEBR AND LOCATION OF LOOPS	02OCT06*	20	27OCT06	185		0.00	6,970.80
3101-505	MOUNTING/LOCATING TECHN MC SHELL SADDLE	30OCT06	20	28NOV06	185		0.00	7,165.00
3101-509	PROTOTYPE MC SHELL SADDLE LOOPS	29NOV06	20	03JAN07	185		0.00	5,389.00
3101-513	PDR PREP -MC SHELL SADDLE LOOPS	04JAN07	18	29JAN07	185		0.00	5,422.30
3101-514	PDR-MC SHELL SADDLE LOOPS		0	29JAN07	185		0.00	0.00
3101-517	DESIGN TERMINATION	30JAN07	20	26FEB07	185		0.00	6,006.20
3101-521	FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	27FEB07	23	29MAR07	185		0.00	7,359.20
3101-525	FDR PREP - MC SHELL SADDLE LOOPS	30MAR07	20	26APR07	185		0.00	7,359.20
3101-526	FDR - MC SHELL SADDLE LOOPS		0	26APR07	185		0.00	0.00
3101-529	PROCURE MATERIALS	27APR07	20	24MAY07	185		0.00	10,604.60
3101-533	INSTALL MC SHELL SADDLE LOOPS	18JUL07	202*	07MAY08	112		0.00	0.00
3101-537	INSTALL TERMINATIONS	18JUL07	120	14JAN08	194		0.00	8,985.02
36 - Edge and Divertor Diagnostics								
361-001	Design Visible Camera sys	04SEP07	40	29OCT07	192		0.00	12,470.31
361-015	Fab/Assy/Installation Visible Camera	30OCT07*	130	08MAY08	192		0.00	33,484.98
38 - Electron Beam (EB) Mapping								
380-010	Designe-Beam Probe,Fluor. Screen	12OCT07	40	10DEC07	192		0.00	47,563.70
380-015	Fab & Install Beam probe	11DEC07*	102	08MAY08	192		0.00	262,530.00
39 - Diagnostics Integration								
Job: 3901 - Diagnostics sys Integration-JOHNSON								
Prior Costs								
390-001	LOE Support FY03	01APR03A	151*	30SEP03A		100	155,450.00	155,450.00
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A		100	0.00	0.00
390-110	Resolve port interferences.Final port config		0	30JUN04A		100	0.00	0.00
390-120	Update port map&revise diag port assignments		0	31MAY05*	1,096	90	0.00	0.00
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	31MAY05*	1,096	100	0.00	0.00



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PMB Schedule
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Progress Bar
Critical Activity

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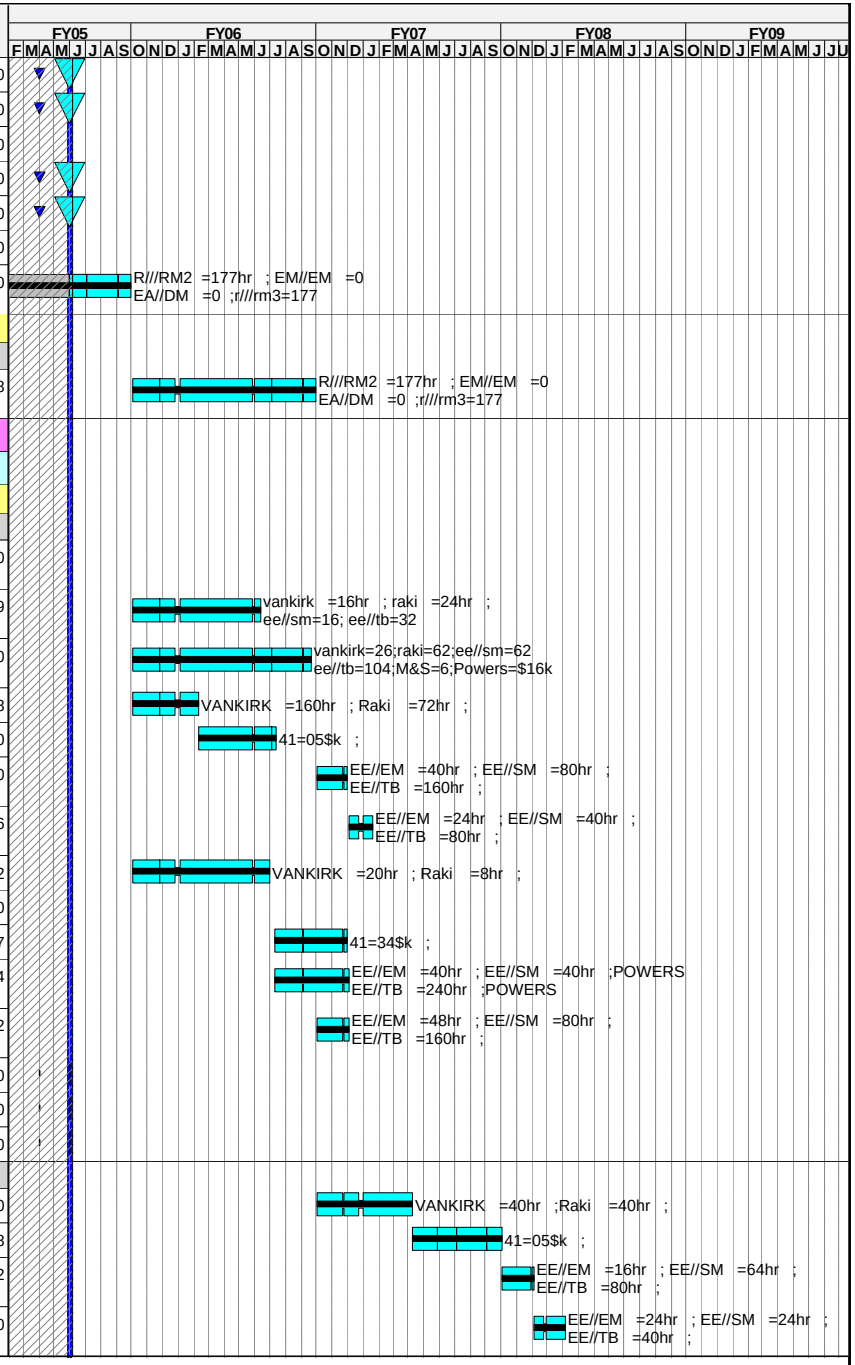
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
390-140	Write ICD's-Define external space for diagnostic		0	31MAY05*	1,096	50	0.00	0.00
390-150	Write ICD's-Define space f/racks in cntrl rm		0	31MAY05*	1,096	50	0.00	0.00
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A		100	0.00	0.00
390-170	Develop space envelopes for SXR		0	31MAY05*	1,096	70	0.00	0.00
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	31MAY05*	1,096		0.00	0.00
390-010	LOE Support FY04	01OCT03A	250*	30SEP04A		LOE	65,000.00	65,000.00
390-015	LOE Support FY05 **reduced scope	01OCT04A	249*	30SEP05	1,010	LOE	43,464.03	66,357.30
390-020	LOE Support FY06	03OCT05*	249*	29SEP06	761		0.00	73,709.88
4 - Electrical Power Systems								
41 - AC Power								
Job: 4101 - AC Power-RAMAKRISHNAN								
411 - Auxiliary AC Power Systems								
4101-100	Prepare Preliminary One line diagram	01MAR04A	173*	30SEP04A		100	8,442.00	8,442.00
4101-100.1	Prepare Preliminary One line diagram	03OCT05*	173	13JUN06	837		0.00	1,062.59
411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	03OCT05*	241	19SEP06	769		0.00	62,575.60
411-2-2	Grounding-Dsn	03OCT05*	86	09FEB06	619		0.00	30,650.88
411-2-4	Grounding-Procure	10FEB06*	107	12JUL06	619		0.00	7,395.00
411-2-6	Grounding-Install	02OCT06*	43	01DEC06	520		0.00	65,513.00
411-2-8	Grounding-Commission	04DEC06*	29	19JAN07	520		0.00	16,152.16
411-3-2	Test Cell AC Power Distr-Dsn	03OCT05*	186	30JUN06	655		0.00	3,658.32
411-3-2.04	Test Cell AC Power fy04	01APR04A	186*	30SEP04A		100	73,000.00	73,000.00
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfrmrs)	10JUL06*	101	30NOV06	550		0.00	48,956.97
411-3-6	Test Cell AC Power Distr-Install	10JUL06*	104	05DEC06	547		0.00	32,319.04
411-3-8	Test Cell AC Power Distr-Commission	02OCT06*	45	05DEC06	547		0.00	32,304.32
411-4-2	Standby Power for Cryo Sys -Dsn	01JUN05	0	31MAY05	1,096		0.00	0.00
411-4-4	Standby Power for Cryo Sys -Procure	01JUN05	0	31MAY05	1,096		0.00	0.00
411-4-6	Standby Power for Cryo Sys -Install	01JUN05	0	31MAY05	1,096		0.00	0.00
412 - Experimental AC Power Systems								
412-1-2	D-site Pulsed AC Power Distr-Dsn	02OCT06*	128	09APR07	236		0.00	11,734.80
412-1-4	D-site Pulsed AC Power Distr-Procure	10APR07	125	04OCT07	236		0.00	6,928.68
412-1-6	D-site Pulsed AC Power Distr-Install	05OCT07	40	03DEC07	236		0.00	18,390.72
412-1-8	D-site Pulsed AC Power Distr-Commission	04DEC07	40	05FEB08	236		0.00	11,088.40



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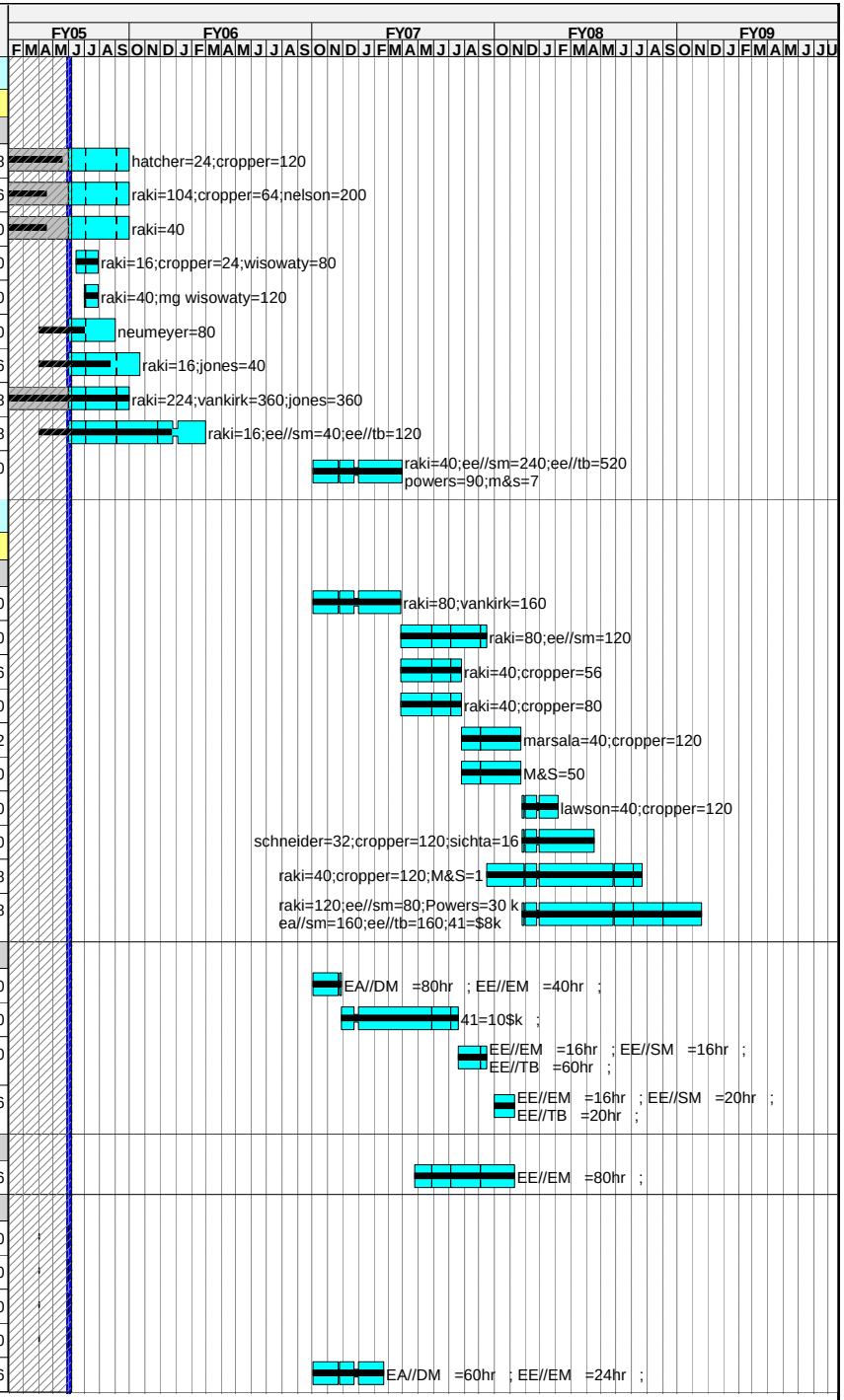
43 - DC Systems								
Job: 4301 - DC Systems-RAMAKRISHNAN								
431 - C-Site DC Systems								
431-200	Condition/spare parts inventory	01OCT04A	249*	30SEP05	1,010	95	16,156.54	17,006.88
431-210	Organize & verify documentation	01OCT04A	249*	30SEP05	1,010	90	39,371.90	43,746.56
431-215	Document status	01OCT04A	249*	30SEP05	1,010	85	5,296.18	6,230.80
431-225	Reactivate DF & PEI units	15JUN05*	32*	29JUL05	1,054		0.00	11,196.40
431-230	Load test	01JUL05*	20	29JUL05	1,054		0.00	15,306.40
431-240	Simulate each of 6 pwr loops in PSCAD	01JUN05*	65	31AUG05	1,031		0.00	12,461.60
431-250	c-site dc sys DGS dsn documentation	01JUN05*	100	20OCT05	996		0.00	6,688.56
431-260	Power loop design	01NOV04A	228*	30SEP05	1,010	65	70,579.91	108,584.48
431-265	Fabricate bus components	01JUN05*	185	28FEB06	911		0.00	16,939.58
431-275	Power cabling & Installation	02OCT06*	121	29MAR07	492		0.00	216,284.20
44 - Control and protection Systems								
Job: 4401 - Control & Protection-RAMAKRISHNAN								
441 - Electrical Interlocks								
441-095	Design Interlock sys	03OCT06*	118	27MAR07	224		0.00	32,776.00
441-097	Install Interlock sys	28MAR07	119	13SEP07	309		0.00	29,242.40
441-100	PLC Specification	28MAR07	85	26JUL07	224		0.00	14,118.56
441-105	Prep Block diagrams	28MAR07	85	26JUL07	224		0.00	17,134.40
441-110	PLC CWD's & Cabling	27JUL07*	85	23NOV07	224		0.00	22,536.52
441-115	deliver PLC	27JUL07*	85	23NOV07	472		0.00	70,400.00
441-120	Program PLC Logic	26NOV07	45	06FEB08	427		0.00	22,959.20
441-125	Program Control pages	26NOV07	97	18APR08	375		0.00	24,222.00
441-130	Pre-commissioning tests	14SEP07	214	23JUL08	309		0.00	24,324.98
441-135	Install I/O Cabling	26NOV07	248	20NOV08	224		0.00	119,949.68
442 - Kirk Key Interlocks								
442-1-2	Kirk Keys-Dsn	02OCT06*	41	29NOV06	290		0.00	16,388.00
442-1-4	Kirk Keys-Procure	30NOV06	158	19JUL07	290		0.00	13,850.00
442-1-6	Kirk Keys-Install	20JUL07	40	14SEP07	290		0.00	44,625.80
442-1-8	Kirk Keys-Commission	01OCT07	30	09NOV07	290		0.00	7,319.36
443 - Real Time Control Systems								
443-1-2	Develop Control Algorithms-Dsn	23APR07*	142	09NOV07	274		0.00	14,270.86
444 - Instrument Systems								
444-1-2	DC Current Transducers (DCCTs)-Dsn	01JUN05	0	31MAY05	1,096		0.00	0.00
444-1-4	DC Current Transducers (DCCTs)-Procure	01JUN05	0	31MAY05	1,096		0.00	0.00
444-1-6	DC Current Transducers (DCCTs)-Install	01JUN05	0	31MAY05	1,096		0.00	0.00
444-1-8	DC Current Transducers (DCCTs)-Commission	01JUN05	0	31MAY05	1,096		0.00	0.00
444-2-2	DC Potential Transducers (DCPTs)-Dsn	02OCT06*	95	21FEB07	466		0.00	11,228.76



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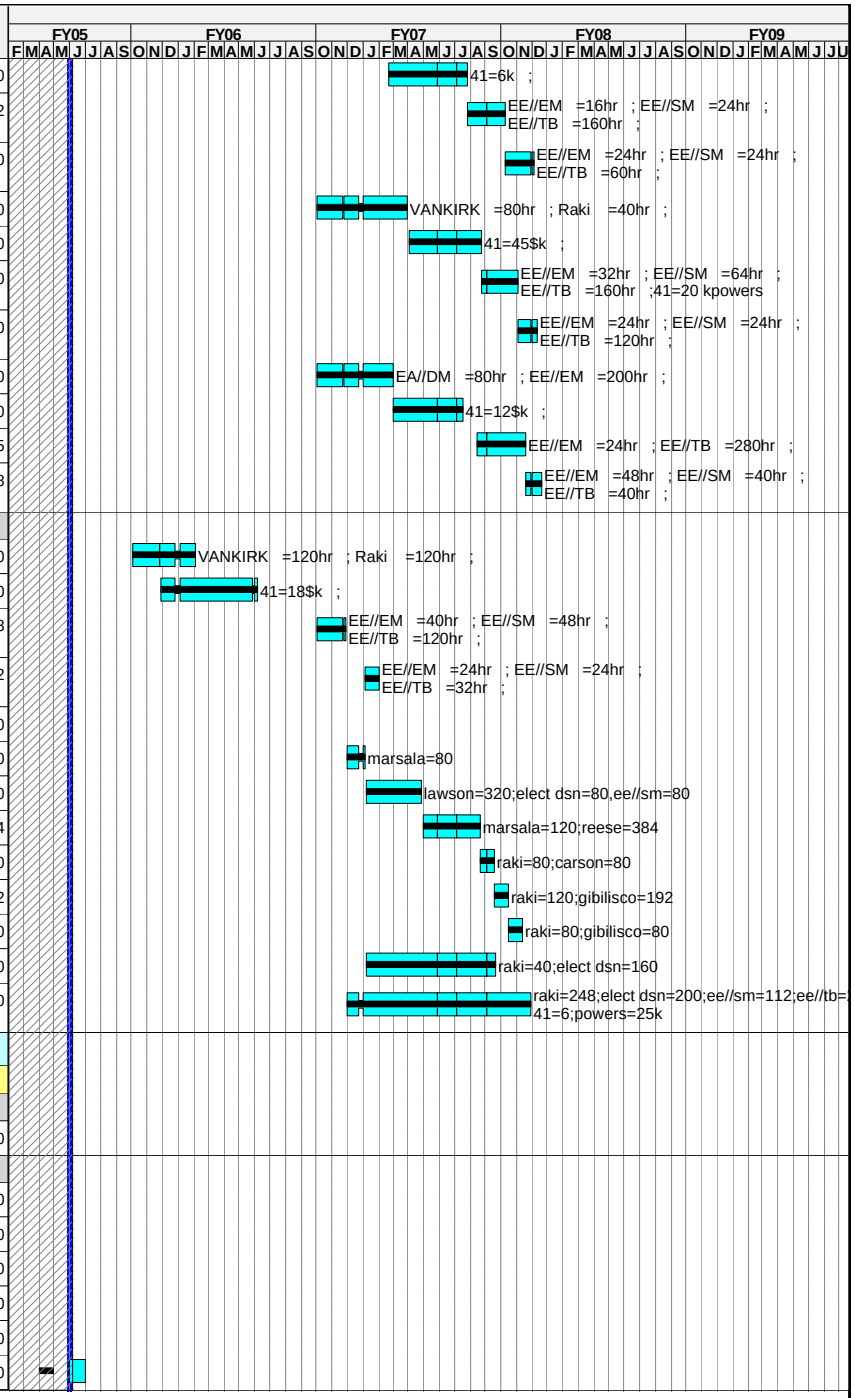
444-2-4	DC Potential Transducers (DCPTs)-Procure	22FEB07	109	26JUL07	466		0.00	8,310.00
444-2-6	DC Potential Transducers (DCPTs)-Install	27JUL07	51	08OCT07	466		0.00	19,685.02
444-2-8	DC Potential Transducers (DCPTs)-Commission	09OCT07	40	05DEC07	466		0.00	12,869.40
444-3-2	DC Shunts-Dsn	02OCT06*	122	30MAR07	463		0.00	16,388.00
444-3-4	DC Shunts-Procure	02APR07	101	22AUG07	463		0.00	62,325.00
444-3-6	DC Shunts-Install	23AUG07	51	02NOV07	463		0.00	55,871.00
444-3-8	DC Shunts-Commission	05NOV07	24	10DEC07	463		0.00	18,212.40
444-4-2	Signal Conditioning & Cabling-Dsn	03OCT06*	99	28FEB07	454		0.00	44,714.40
444-4-4	Signal Conditioning & Cabling-Procure	01MAR07	98	18JUL07	454		0.00	16,620.00
444-4-6	Signal Conditioning & Cabling-Install	15AUG07	68	19NOV07	454		0.00	28,856.75
444-4-8	Signal Conditioning & Cabling-Commission	20NOV07	22	21DEC07	454		0.00	17,573.28
445 - Coil Protection Systems								
445-1-2	Ground Fault Protection-Dsn	03OCT05*	82	03FEB06	656		0.00	34,408.80
445-1-4	Ground Fault Protection-Procure	28NOV05*	130	06JUN06	570		0.00	26,622.00
445-1-6	Ground Fault Protection-Install	02OCT06*	40	28NOV06	489		0.00	23,428.48
445-1-8	Ground Fault Protection-Commission	04JAN07	20	31JAN07	489		0.00	10,015.52
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	272	30SEP04A			1,054.90	1,054.90
445-2-105	Overload Protect-Write spec and approve	01DEC06*	20	05JAN07	470		0.00	14,163.20
445-2-110	Overload Protect-Design	08JAN07	80	27APR07	480		0.00	76,012.00
445-2-115	Overload Protect-Fabr 4 chassis 120 modls	30APR07*	79	20AUG07	480		0.00	69,498.24
445-2-120	Overload Protect-Test 4 units	21AUG07	20	18SEP07	480		0.00	24,216.00
445-2-125	Overload Protect-Install & Rack wiring	19SEP07	20	16OCT07	480		0.00	46,352.02
445-2-130	Overload Protect-Write & perform ISTP	17OCT07	20	13NOV07	480		0.00	25,088.00
445-2-135	Overload Protect-Documentation	08JAN07*	180	19SEP07	519		0.00	25,694.40
445-2-140	Overload Protection&cabling design,procure instl	01DEC06*	249	27NOV07	470		0.00	145,550.00
45 - Power System Design and Integration								
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN								
Prior Costs								
4501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	112,340.00	112,340.00
451 - System Design & Interfaces								
4501-100	Design Drawings	02FEB04A	193*	30SEP04A		100	19,807.80	19,807.80
4501-110	Calculations-FY04	01MAR04A	151*	30SEP04A		100	0.00	0.00
451-0-1	C-Site Decision	30APR04A	0	30APR04A		100	0.00	0.00
451-7-2	FDR DC transmission-Dsn	01MAY04A	0*	28MAY04A		100	10,084.00	10,084.00
451-7-20	FDR DC transmission		0	28MAY04A		100	0.00	0.00
451-0-2	Develop SRD	01JUN05*	21	29JUN05	1,075		0.00	0.00



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PMB Schedule
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NCSX
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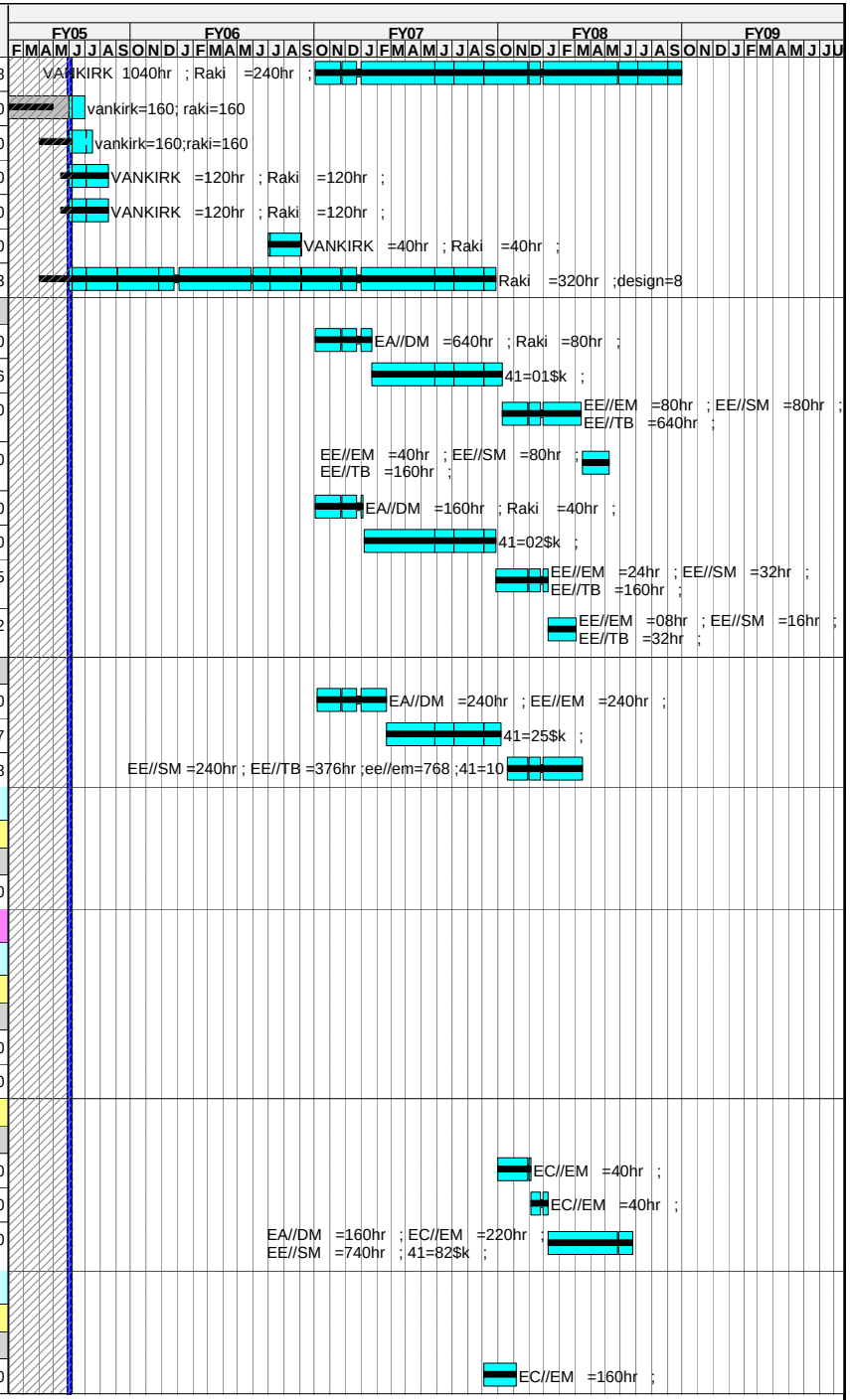
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
451-3-2	Dwgs,asbuilts -Elect Dsn	02OCT06*	500*	30SEP08	261		0.00	166,427.78
451-2-1	CDR Power system -Dsn	01DEC04A	144*	30JUN05	1,074	40	16,519.68	41,299.20
451-2-2	PDR Power system -Dsn	01JUN05*	32*	15JUL05	1,064		0.00	41,299.20
451-2-2.1	FDR C-Site	01JUN05*	53*	15AUG05	1,043		0.00	30,974.40
451-6-2	FDR C-Site -Cabling	01JUN05*	53*	15AUG05	1,043		0.00	30,974.40
451-4-2	FDR AC auxiliaries & grounding-Dsn	03JUL06*	45	05SEP06	779		0.00	11,469.60
451-1-2	Calculations-Dsn	01JUN05*	584*	28SEP07	512		0.00	56,009.93
452 - Electrical Systems Support								
452-1-2	Diagnostics AC Power Distr-Dsn	03OCT06*	72	22JAN07	192		0.00	88,614.40
452-1-4	Diagnostics AC Power Distr-Procure	23JAN07	182	08OCT07	192		0.00	1,385.76
452-1-6	Diagnostics AC Power Distr-Install	09OCT07	105	13MAR08	192		0.00	82,080.00
452-1-8	Diagnostics AC Power Distr-Commission	19MAR08	37	08MAY08	192		0.00	31,999.60
452-2-2	Diagnostics sensor cabling-Dsn	03OCT06*	61	05JAN07	240		0.00	25,694.40
452-2-4	Diagnostics sensor cabling-Procure	08JAN07	185	26SEP07	240		0.00	2,770.00
452-2-6	Diagnostics sensor cabling-Install	27SEP07	65	07JAN08	240		0.00	22,791.55
452-2-8	Diagnostics sensor cabling-Commission	08JAN08	40	03MAR08	240		0.00	6,399.92
453 - System Testing (PTP's)								
453-1-2	New Procedures	06OCT06*	90	20FEB07	345		0.00	70,408.80
453-1-4	Preop Testing-Procure test equipt	21FEB07*	160	05OCT07	345		0.00	34,642.97
453-1-8	Testing PTPs, ISTPs	19OCT07*	100	18MAR08	236		0.00	219,667.28
46 - FCPC Building Modifications								
Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN								
Prior Costs								
4601-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	1,300.00	1,300.00
5 - Central I&C Systems								
51 - TCP/IP Infrastructure Systems								
Job: 5801 -Central I&C Integr & Oversight-OLIARO								
51-00	FY03	01APR03A	250*	30SEP03A		LOE	11,900.00	11,900.00
51-01	FY04 LOE support	01OCT03A	250*	30SEP04A		LOE	16,000.00	16,000.00
51-10	Preliminary Design (Title I)	01OCT07*	45	04DEC07	239		0.00	6,825.20
51-20	Final Network Design (Title II)	05DEC07	20	09JAN08	239		0.00	6,825.20
51-30	Installation, Testing, Documentation (Title III)	10JAN08	120	26JUN08	239		0.00	269,040.80
52 - Central Instrumentation & Control								
52-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	138		0.00	26,900.20



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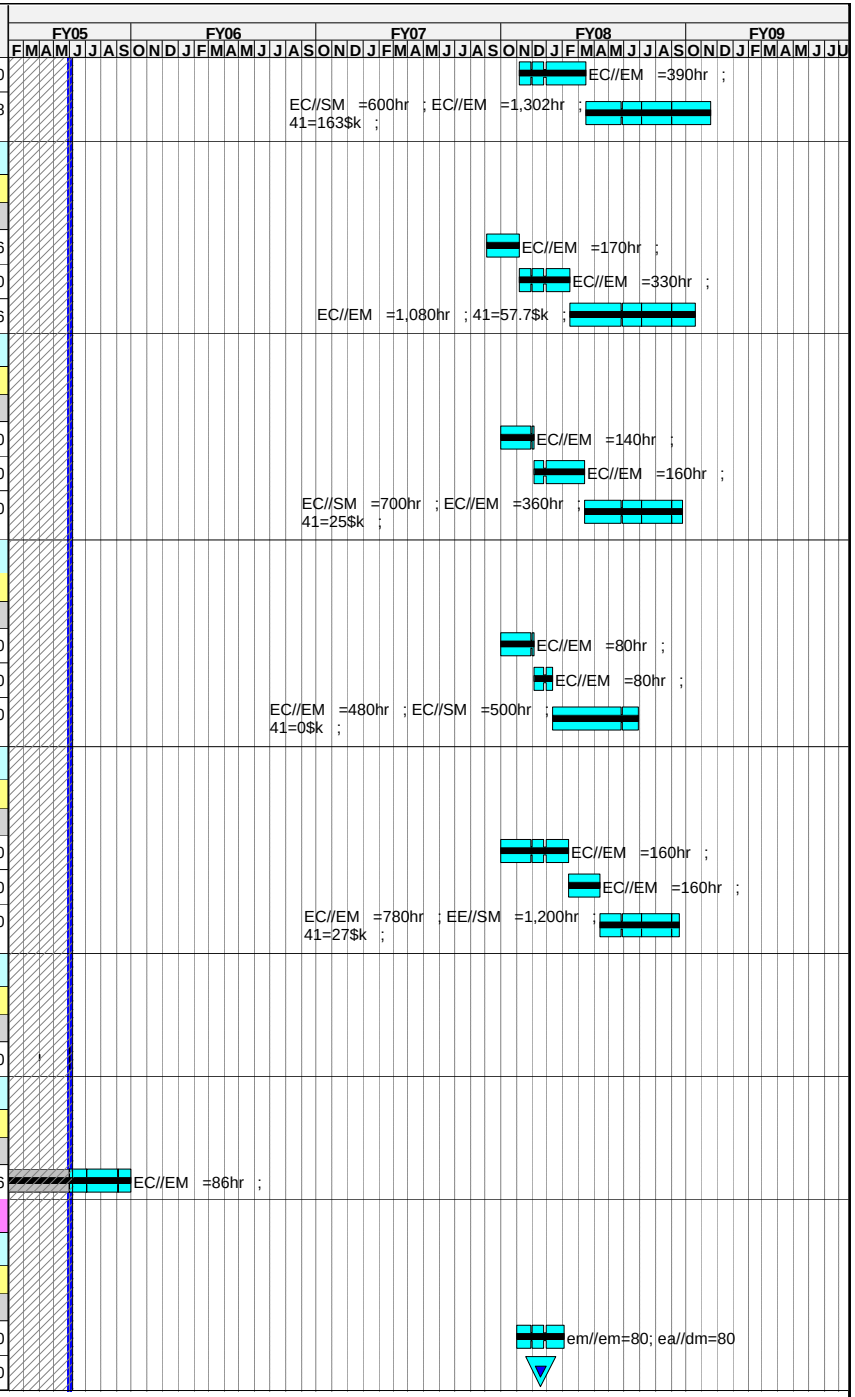
52-20	Final Design (Title II)	06NOV07	87	17MAR08	138		0.00	66,545.70
52-30	Installation, Testing, Documentation (Title III)	18MAR08	173	18NOV08	138		0.00	517,471.88
53 - Data Acquisition & Facility Computing								
53-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	160		0.00	28,581.46
53-20	Final Design (Title II)	06NOV07	65	14FEB08	160		0.00	56,307.90
53-30	Coding, Configuration, Testing (Title III)	15FEB08	173	17OCT08	160		0.00	266,124.36
54 - Facility Timing & Synchronization								
54-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	178		0.00	23,888.20
54-20	Final Design (Title II)	06DEC07	65	13MAR08	178		0.00	27,300.80
54-30	Installation, Testing, Documentation (Title III)	14MAR08	135	23SEP08	178		0.00	169,775.20
55 - Real Time Plasma & Power Supply Control Sys								
55-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	238		0.00	13,650.40
55-20	Final Design (Title II)	06DEC07	20	10JAN08	238		0.00	13,650.40
55-30	Installation, Testing, Documentation (Title III)	11JAN08	120	27JUN08	238		0.00	134,352.40
56 - Central Safety Interlock Systems								
56-10	Preliminary Design (Title I)	02OCT07*	87	11FEB08	183		0.00	27,300.80
56-20	Final Design (Title II)	12FEB08	45	14APR08	183		0.00	27,300.80
56-30	Installation, Testing, Documentation (Title III)	15APR08	108	16SEP08	183		0.00	327,335.40
57 - Control Room Facility								
57-10		01JUN05	0	31MAY05	1,096		0.00	0.00
58 - Central I&C management and Integration								
Job: 5801 -Central I&C Integr & Oversight-OLIARO								
51-02	FY05 LOE support	01OCT04A	249*	30SEP05	1,010	LOE	8,162.78	12,462.26
6 - Facility Systems								
61 - Water Systems								
613 - Vacuum Pumping System								
623.011	Design WBS 612	01NOV07*	59	01FEB08	216		0.00	24,890.40
623.012	PDR WBS 612	17DEC07	0		245		0.00	0.00



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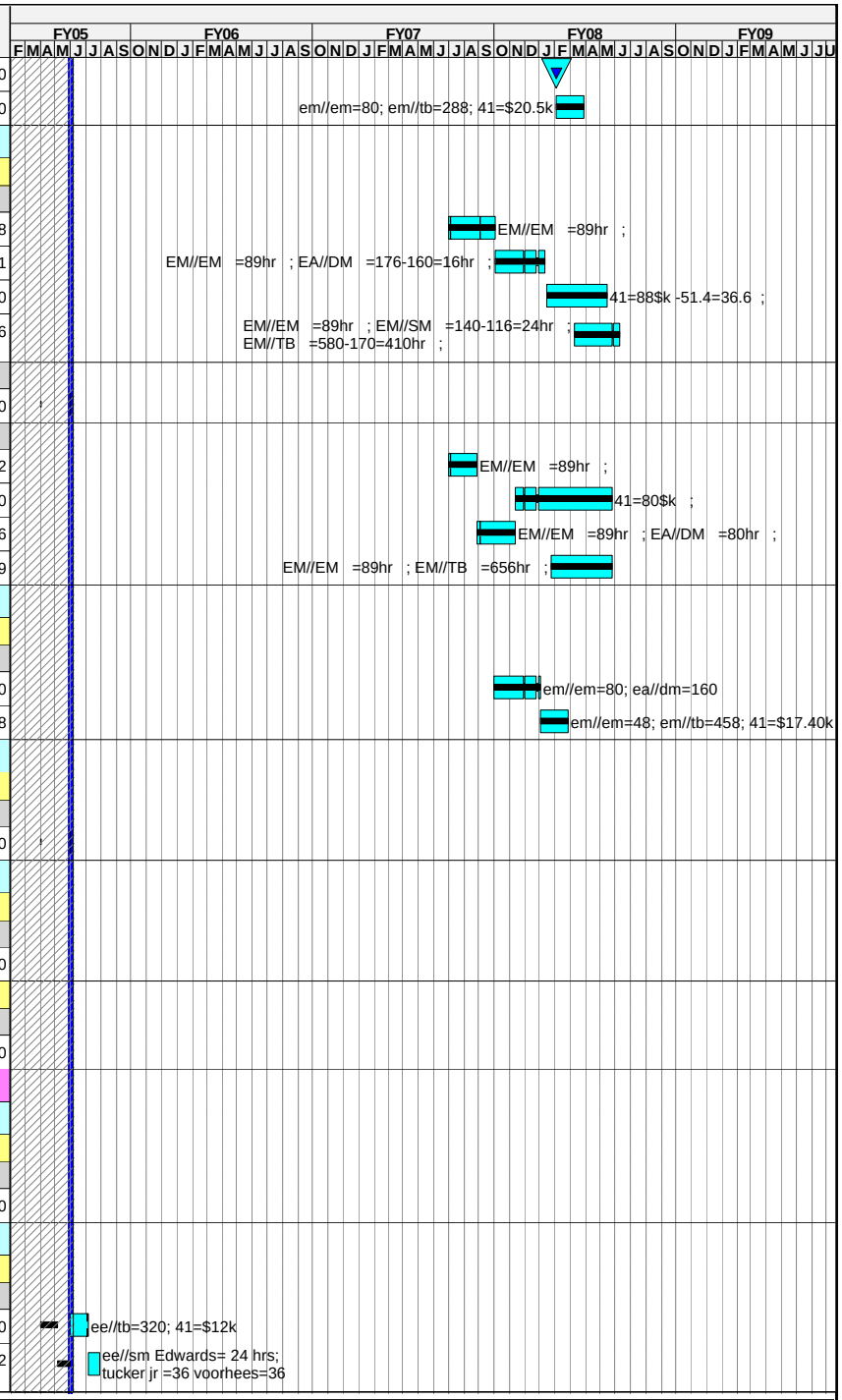
623.013	FDR WBS 612		0	01FEB08	216		0.00	0.00
632.021	WBS 612 Assembly/Fabrication/Installation	04FEB08	40	28MAR08	216		0.00	69,615.20
62 - Cryogenic Systems								
621 - LN2-LHe Supply System								
631-001	Preliminary Design	02JUL07*	65	02OCT07	252		0.00	16,392.38
631-010	Final Design**reduced scope	03OCT07	65	11JAN08	252		0.00	18,892.61
631-020	Procurement **reduced scope	14JAN08	88	14MAY08	252		0.00	123,340.80
631-015	Fab/Assy/Installation**reduced scope	10MAR08	65	09JUN08	252		0.00	74,417.26
622 - LN2 Coil Cooling Supply								
632-001	**deleted scope	01JUN05	0	31MAY05	1,096		0.00	0.00
623 - GN2 Cryostat Cooling System								
633-001	Preliminary Design	02JUL07*	40	27AUG07	262		0.00	16,374.22
633-020	Procurement	14NOV07	130	23MAY08	262		0.00	112,569.60
633-010	Final Design	28AUG07	55	13NOV07	262		0.00	26,218.96
633-015	Fab/Assy/Installation	23JAN08	88	23MAY08	262		0.00	75,053.09
63 - Utility Systems								
640.011	Design GN2, Air & Vent Systems	01OCT07*	59	01JAN08	251		0.00	34,532.00
640.021	Assembly/Fabrication	02JAN08	40	26FEB08	251		0.00	74,767.58
64 - PFC/VV Heating & Cooling*ELIMINATED*								
650.001	Eliminated scope	01JUN05	0	31MAY05	1,096		0.00	0.00
65 - Facility Systems Integration								
Job: 6163 - Facility Systems Support FY04								
65-03	LOE WBS 6	01OCT03A	250*	30SEP04A		LOE	15,000.00	15,000.00
Job: 6501 - Facility Systems Integration-DUDEK								
Prior Costs								
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	0	30SEP03A		100	9,380.00	9,380.00
7 - Test Cell Preparation and Machine Assy								
71 - Shield Wall Seismic Modifications								
Job: 7101 - Shield Wall Modif Design-PERRY								
Prior Costs								
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	32,150.00	32,150.00
72 - Control Room Refurbishment								
Job: 7201 - Control Room Walls&Floors-PERRY								
710.001	Block Wall east side control room	01JUN05*	24	05JUL05	1,054		0.00	39,573.60
711B.050	Complete Control Room Flooring	06JUL05	18	29JUL05	1,054		0.00	8,019.12



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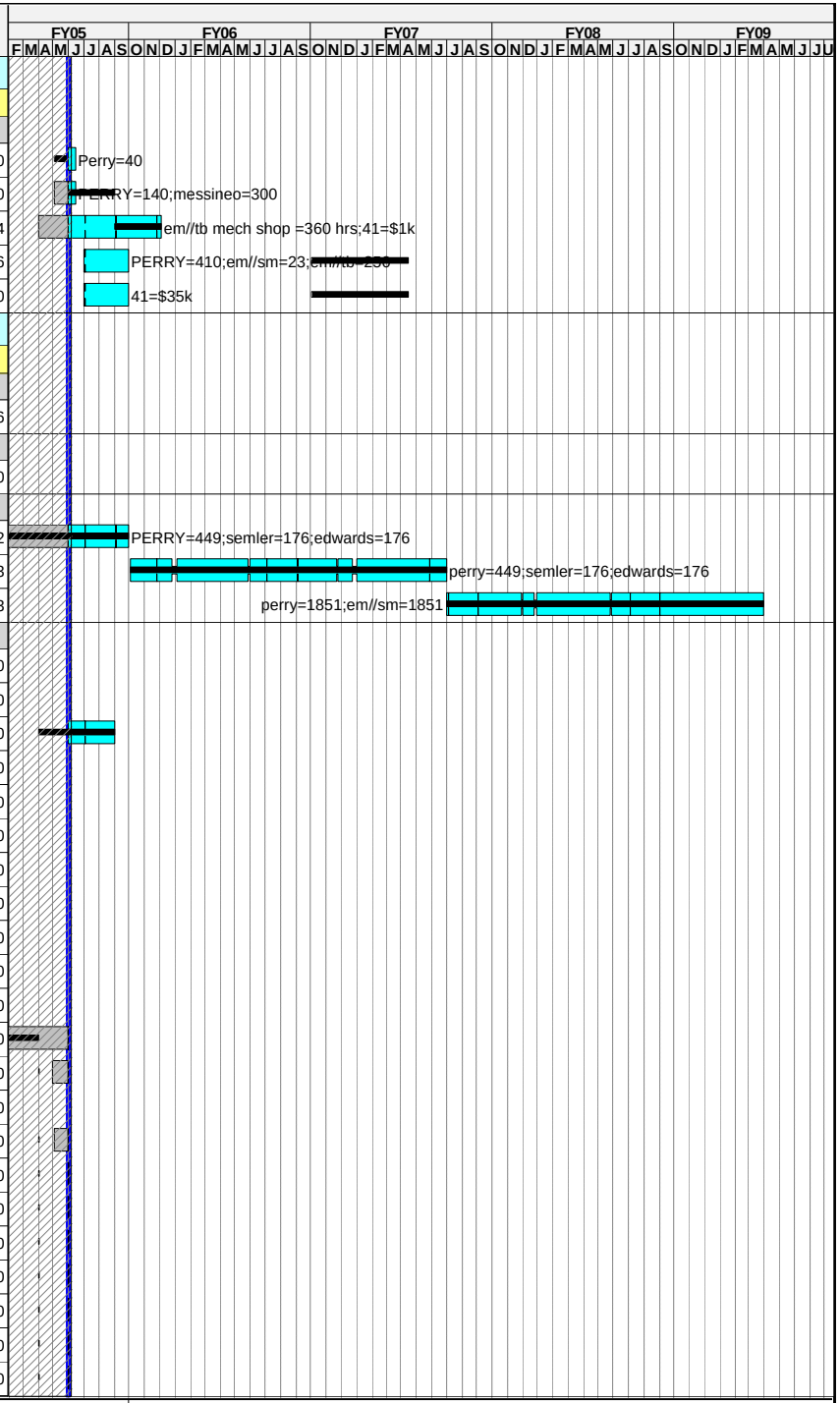
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
73 - Platform Design & Fabrication								
Job: 7301 - Platform Design & Fab-PERRY								
712.008	Update Platform Specification	01JUN05*	10*	14JUN05	1,086		0.00	6,416.80
712.010	Final Design	02MAY05A	32*	15JUN05	1,091	75	39,872.85	53,163.80
711A.040	Platform nut plates	01APR05A	171*	02DEC05	967	90	26,077.09	28,974.54
712.020	Platform Parts	01JUL05*	65*	30SEP05	665		0.00	22,649.66
712.030	Miscs Hardware/Material	01JUL05*	65*	30SEP05	665		0.00	44,835.00
74 - Machine Assembly Planning and Oversight								
Job: 7401 - TC Prep & Mach Assy Planning-PERRY								
Oversight and Supervision								
711A.020	LOE FY04	01OCT03A	256*	30SEP04A		LOE	148,582.46	148,582.46
Prior Costs								
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	164,000.00	164,000.00
Project Scope								
714.010	LOE FY05	01OCT04A	249*	30SEP05	1,010	LOE	72,031.94	109,972.42
714.020	LOE FY06 prior to assy starting	03OCT05*	436*	02JUL07	574		0.00	124,295.03
714.030	LOE FY07 thru first plasma	02JUL07*	444*	31MAR09	131		0.00	865,203.33
FED/Infrastructure Support (non Project cost)								
613.010	Remove Shield Walls ** GPP **	01APR04A	64*	22JUN04A			0.00	0.00
613.015	Fabricate New Bottom Course of Blocks **GPP**	01APR04A	207*	31JAN05A			0.00	0.00
613.017	Install New Bottom Course **GPP**	01JUN05*	64*	30AUG05	1,038		0.00	0.00
613.020	Remove south PLT shielding (cc 7230)	01JUN04A	0*	22JUN04A			0.00	0.00
613.025	Dispose of old south PLT shielding **GPP**	01AUG04A	0*	31AUG04A			0.00	0.00
EXFAC003	Clear PBX control room & Safe PBX (cc7230)	27JAN03A	110*	30JUN03A		100	0.00	0.00
EXFAC004	Remove Fire protection PLT wall (cc7230)	01MAY03A	21	09MAY03A		100	0.00	0.00
EXFAC005	Remove Fire Protection under platform (cc7230)	01APR03A	21	30APR03A		100	0.00	0.00
EXFAC006	Remove Fire Protection Control rm walls(cc7230)	01MAY03A	21	09MAY03A		100	0.00	0.00
EXFAC007	Remove PBX Base Plates cc7230)	25FEB04A	48*	12MAR04A		100	0.00	0.00
GPP001	GPP-Upgarde C-Site central chilled wtr plant*TBD	01OCT02A	1	01OCT02A			0.00	0.00
GPP004	GPP-Roofing Design	01APR04A	291	31MAY05A			0.00	0.00
GPP004.1	GPP-Roofing Install	01MAY05A	0	31MAY05A			0.00	0.00
GPP005	GPP-Test Cell lighting Design	01APR04A	206*	31JAN05A			0.00	0.00
GPP005.1	GPP-Test Cell lighting Install ***TBD***	02MAY05A	0	31MAY05A			0.00	0.00
GPP006	GPP-Test Cell HVAC/dew point control Design*TBD	01JUN05	0	31MAY05	1,096		0.00	0.00
GPP006.1	GPP-Test Cell HVAC/dew point control InstallTBD	01JUN05*	0	31MAY05	1,096		0.00	0.00
GPP007	GPP-C-Site elevators Design	01JUN05*	0	31MAY05	1,096		0.00	0.00
GPP007.1	GPP-C-Site elevators Install	01JUN05	0	31MAY05	1,096		0.00	0.00
GPP008	GPP-Fire suppression high bay design*TBD*	01JUN05	0	31MAY05	1,096		0.00	0.00
GPP008.1	GPP-Fire suppression high bay install*TBD*	01JUN05	0	31MAY05	1,096		0.00	0.00
GPP009	Control Room Lights & Outlets design*TBD*	01JUN05	0	31MAY05	1,032		0.00	0.00



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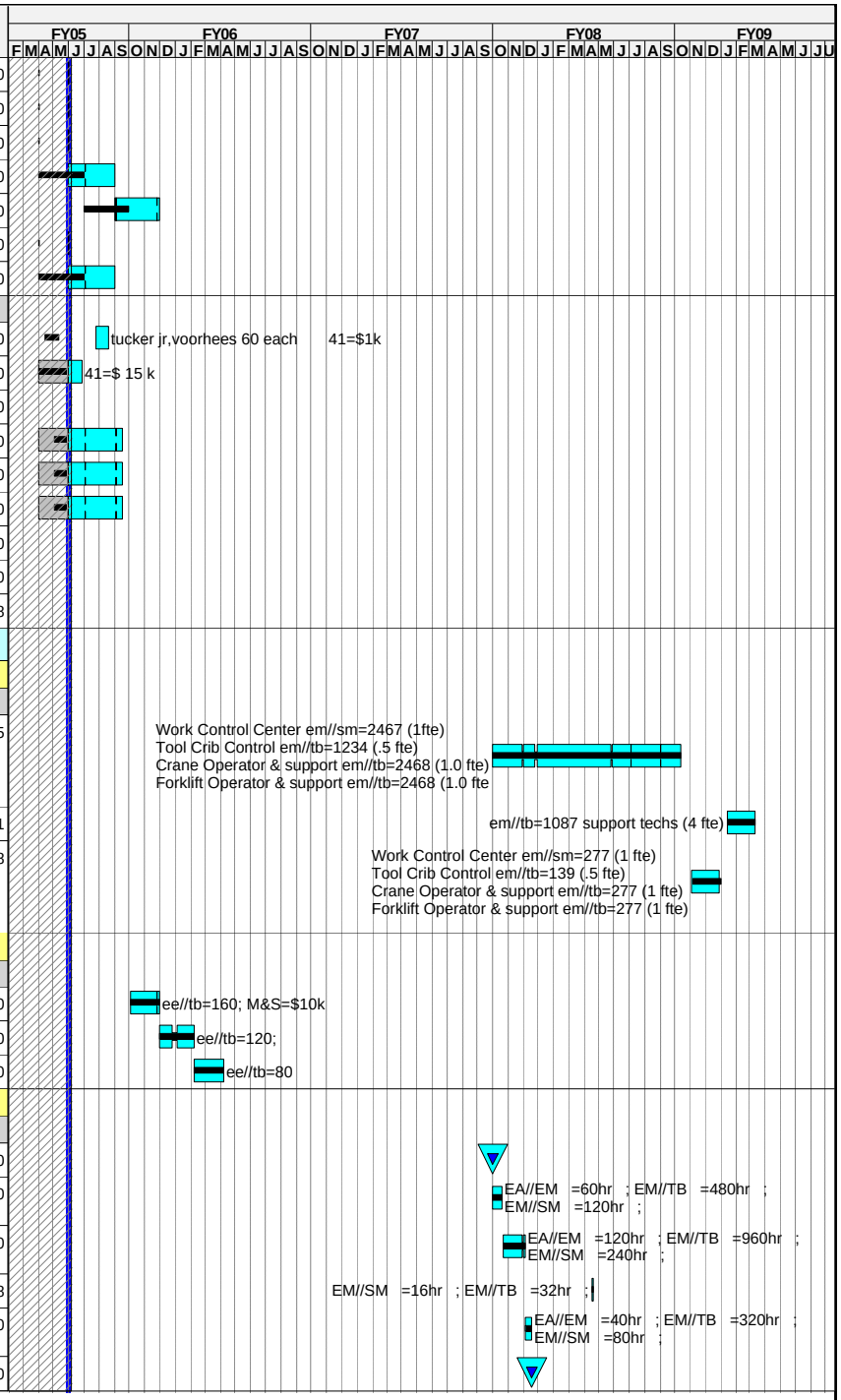
GPP009.1	Control Room Lights & Outlets install*TBD*	01JUN05	0	31MAY05	1,032		0.00	0.00
GPP010	Control Room HVAC Design **TBD**	01JUN05	0	31MAY05	1,032		0.00	0.00
GPP010.1	Control Room HVAC Install **TBD**	01JUN05	0	31MAY05	1,032		0.00	0.00
GPP011	Control Room Ceiling Design	01JUN05*	64	30AUG05	968		0.00	0.00
GPP011.1	Control Room Ceiling Install	31AUG05	64	01DEC05	968		0.00	0.00
GPP012	Control Rm Fire Detection & Suppression Design	01JUN05*	0	31MAY05	968		0.00	0.00
GPP012.1	Control RmFire Detection & Suppression Install	01JUN05	64	30AUG05	968		0.00	0.00
Test Cell Modifications & Upgrades								
613.030	Test Cell copper ground plane cuts	25JUL05*	20	19AUG05	1,045		0.00	10,223.40
713.010	General procurements	02APR05A	60*	27JUN05	1,083	LOE	13,123.85	19,215.00
7502-000	Outlet Design	02FEB04A	107*	30JUN04A		100	25,272.00	25,272.00
7502-001	Test Cell 110v outlets	01APR05A	118*	16SEP05	1,020	50	8,401.60	16,803.20
7502-002	Test Cell 208v outlets	01APR05A	118*	16SEP05	1,020	50	4,200.80	8,401.60
7502-010	Ready Rooms (under control room) 110v outlets	01APR05A	118*	16SEP05	894	50	4,200.80	8,401.60
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0*	31OCT03A		100	9,937.20	9,937.20
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A		100	16,848.00	16,848.00
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0*	30JAN04A		100	37,608.48	37,608.48
75 - Test Cell and Basement Assembly Operations								
7501 - Construction Support Crew								
7501-05	Construction Support Crew during machine assy	01OCT07*	260	13OCT08	164		0.00	855,212.25
7501-06	Construction Support Crew during e-beam mapping	14JAN09*	41	11MAR09	145		0.00	99,710.51
7501-07	Construction Support Crew during cryostat instl	05NOV08*	40	30DEC08	196		0.00	99,420.88
7502 - Test Cell Facility Preparations								
7502-020	Resurface TC floor	03OCT05*	42	01DEC05	884		0.00	33,625.20
7502-030	TC Floor firesealing	02DEC05	42	07FEB06	884		0.00	14,126.40
7502-035	Control room firesealing	08FEB06	42	06APR06	884		0.00	9,417.60
7503 - Machine Assembly								
Revised Assembly Logic (ecp18)								
7503-010	Begin Assembly Activities	01OCT07*	0		164		0.00	0.00
7503-020	Install & Level Support Base Plates	01OCT07	15	19OCT07	231		0.00	69,152.40
7503-030	Install/Level FPA's and Spool Piece supports	22OCT07	30	04DEC07	231		0.00	138,304.80
7503-060	Install Lower PF 4,5&6 into prelim position	18APR08	2	21APR08	154		0.00	4,830.08
7503-070	Install 3 Spool Pieces on fixt & test movement	05DEC07	10	18DEC07	231		0.00	46,101.60
7503-080	FPA-1 Installed on support platform		0	18DEC07	231		0.00	0.00



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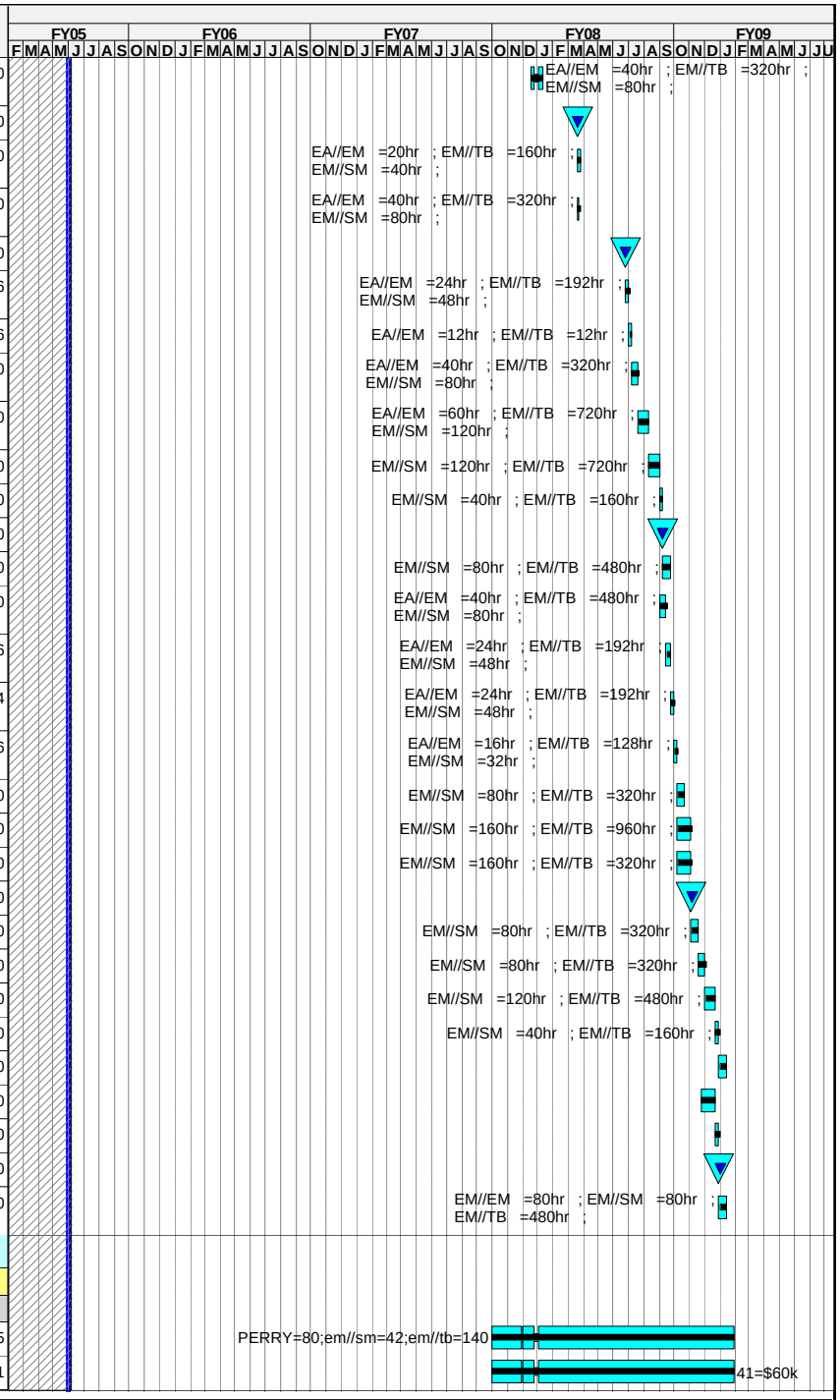
7503-090	Install local Platforms around FPA-1	19DEC07	10	10JAN08	232		0.00	46,101.60
7503-110	FPA-2 Installed on support platform		0	19MAR08	172		0.00	0.00
7503-120	Test movement of FPA-1& -2 & position checks.	20MAR08	5	26MAR08	172		0.00	23,050.80
7503-130	Install local Platforms around FPA-2	20MAR08	3	24MAR08	180		0.00	46,101.60
7503-150	FPA-3 Installed on support platform		0	24JUN08	108		0.00	0.00
7503-160	Position all FPA's / Spool Pieces @ MC Interface	25JUN08	6	02JUL08	108		0.00	27,660.96
7503-170	FPA Metrology Checks to Assure Alignment	03JUL08	3	07JUL08	108		0.00	3,397.56
7503-190	Install local Platforms around FPA-3	08JUL08	10	21JUL08	108		0.00	46,101.60
7503-180	MC Interfaces: shim, ream holes ,bolt together	22JUL08	15	11AUG08	108		0.00	90,404.40
7503-200	Mate-up and weld all VV-to-Spool interfaces	12AUG08	15	01SEP08	108		0.00	78,729.60
7503-240	Bolt on preassembled pump duct	02SEP08	5	08SEP08	108		0.00	19,159.20
7503-250	Begin Vac Vsl Pumpdown	09SEP08	0		115		0.00	0.00
7503-260	PTP Pumpdown & leak check VV	09SEP08	10	22SEP08	115		0.00	52,486.40
7503-210	Fit-up all TF coils	02SEP08	10	15SEP08	108		0.00	60,269.60
7503-270	Raise lower PF 4,5&6 coils into final position	16SEP08	6	23SEP08	108		0.00	27,660.96
7503-280	Install Upper PF 4,5 & 6 coils	24SEP08	6	01OCT08	108		0.00	27,826.64
7503-290	Install PF Solenoid into position (U/L PF1,2,3)	02OCT08	4	07OCT08	108		0.00	19,103.36
7503-310	Complete LN2 connections	08OCT08	10	21OCT08	118		0.00	39,695.20
7503-320	Complete Elect Pwr connections	08OCT08	20	04NOV08	108		0.00	108,744.00
7503-321	Complete mag diag & machine I&C	08OCT08	20	04NOV08	108		0.00	50,036.80
7503-330	Begin Cryostat Installation	05NOV08	0		108		0.00	0.00
7503-340	Install Cryostat Base, vapor barrie& port boots	05NOV08	10	18NOV08	108		0.00	39,695.20
7503-350	Install Cryostat upper section,VB and port boots	19NOV08	10	02DEC08	108		0.00	39,695.20
7503-360	Install Midplane Cryostat sections and port boot	03DEC08	15	23DEC08	108		0.00	59,542.80
7503-370	Install Cryostat Circulation Duct	24DEC08	5	30DEC08	108		0.00	19,847.60
730.8200Z	PTP and Cooldown (dup of 730.8200)	31DEC08	10	13JAN09	186		0.00	0.00
730.1248	ACC Review	26NOV08	20	23DEC08	108		0.00	0.00
730.1249	PSO Operational Readiness Assessment	24DEC08	5	30DEC08	108		0.00	0.00
730.1250	PSO Operational Readiness Assessment		0	30DEC08	108		0.00	0.00
730.8200	PTP and Cooldown	31DEC08	10	13JAN09	108		0.00	70,169.60
76 - Tooling Design & Fabrication								
Job: 7601 - Tooling Design & Fabrication								
713.020	Lab Fab/Assy/Installation	01OCT07*	341*	30JAN09	173		0.00	33,191.75
713.030	Tooling,assy fixtures,misc equipt	01OCT07*	341*	30JAN09	173		0.00	84,851.61



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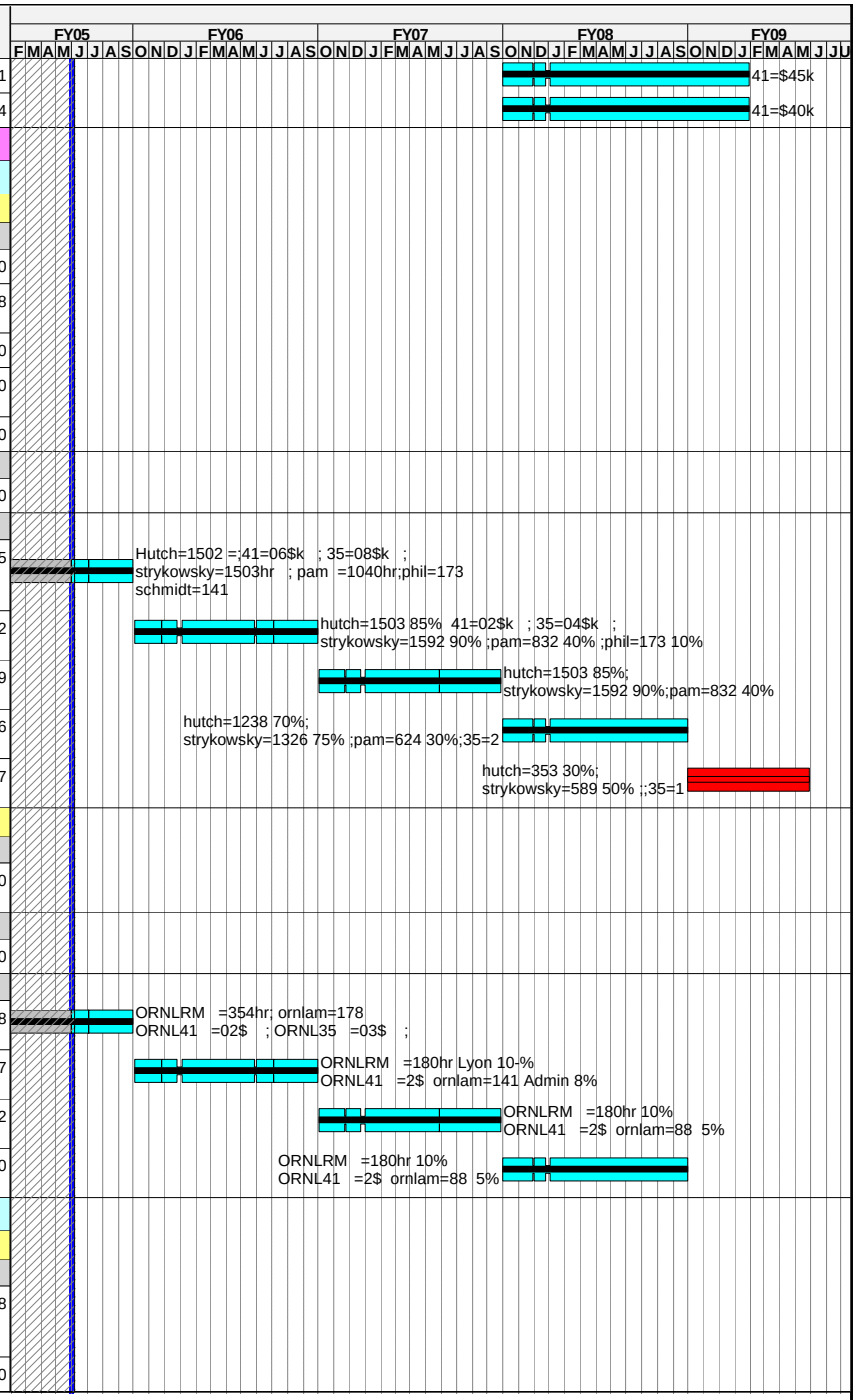
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget
713.040	General procurements	01OCT07*	341*	30JAN09	173		0.00	63,638.71
713.050	Welding tools, materials & equipt	01OCT07*	341*	30JAN09	173		0.00	56,567.74
8 - Project Oversight and Support								
81 - Project Management and Control								
Job: 8101 - Project Management & Control-NEILSON								
FY04 Actual Cost								
M-0110	CD-2		0	03FEB04A			0.00	0.00
810.009	PDR Support	01OCT03A	3*	31OCT03A		100	41,163.08	41,163.08
M-0115	CD-3		0	16SEP04A			0.00	0.00
810.002	Project Management Office PPPL FY04	01OCT03A	256*	30SEP04A		LOE	685,961.70	685,961.70
810.002E	Project Management Office PPPL FY04 ECP24	01OCT03A	256*	30SEP04A		LOE	146,000.00	146,000.00
Prior Costs								
810.001	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	387,340.00	387,340.00
810.003	Project Management Office PPPL FY05	01OCT04A	251*	30SEP05	1,015	LOE	463,898.68	696,116.95
810.004	Project Management Office PPPL FY06	03OCT05*	250*	29SEP06	765		0.00	698,791.02
810.005	Project Management OfficePPPL FY07	02OCT06*	251*	28SEP07	514		0.00	682,074.19
810.900	Project Management Office PPPL FY08	01OCT07*	253*	30SEP08	261		0.00	576,229.66
810.909	Project Management Office PPPL FY09	01OCT08*	173*	29MAY09	88		0.00	196,534.17
Job: 8102 - NCSX MIE Management ORNL-LYON								
FY04 Actual Cost								
810.102	Project Management Office ORNL FY04	01OCT03A	256*	30SEP04A		LOE	88,000.00	88,000.00
Prior Costs								
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A		100	58,600.00	58,600.00
810.103	Project Management Office ORNL FY05	01OCT04A	251*	30SEP05	1,015	LOE	62,275.94	95,368.98
810.104	Project Management Office ORNL FY06	03OCT05*	250*	29SEP06	514		0.00	57,354.87
810.104X	Project Management Office ORNL FY07	02OCT06	251*	28SEP07	514		0.00	50,514.32
810.105X	Project Management Office ORNL FY08	02OCT07*	251*	29SEP08	262		0.00	36,664.00
82 - Project Engineering								
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN								
FY04 Actual Cost								
820.002	LOE FY04	01OCT03A	256*	30SEP04A		LOE	601,555.68	601,555.68
8202-ECP16	ecp16	01OCT03A	256*	30SEP04A		LOE	68,000.00	68,000.00



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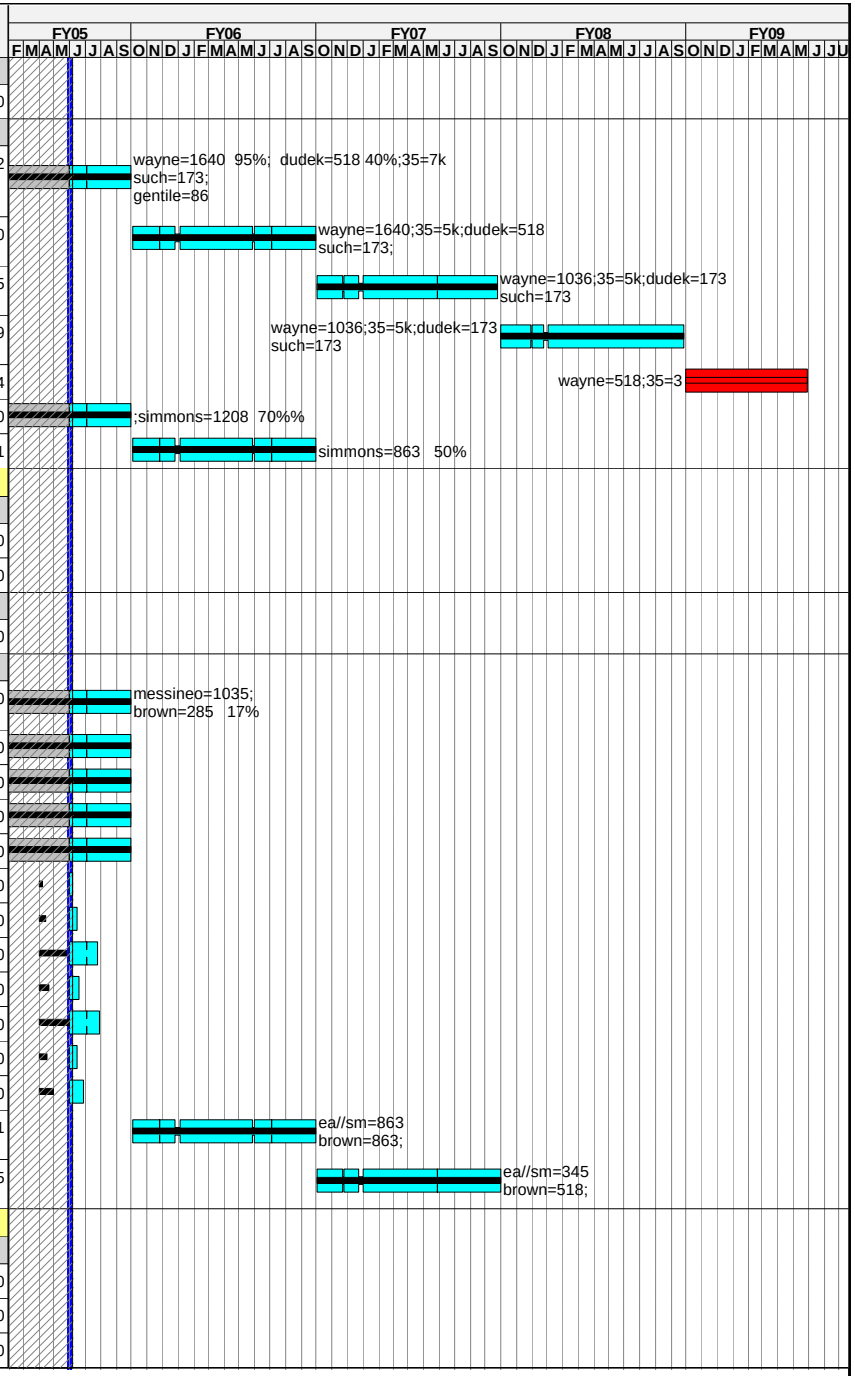
Prior Costs								
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	295,530.00	295,530.00
820.003	Proj engr FY05	01OCT04A	251*	30SEP05	1,015	LOE	323,325.07	469,631.02
820.004	Proj engr FY06	03OCT05*	250*	29SEP06	765		0.00	419,347.10
820.04X	Proj engr FY07	02OCT06*	248*	25SEP07	517		0.00	251,952.55
820.004Z	Proj engr FY08	02OCT07*	249*	25SEP08	264		0.00	260,851.29
820.005	Proj engr FY09	01OCT08*	173*	29MAY09	88		0.00	110,058.44
8205FY05	System Engr Support FY05	01OCT04A	251*	30SEP05	1,015	LOE	130,353.17	199,622.00
8205FY06	Systems Engineering Support FY06	03OCT05*	250*	29SEP06	765		0.00	158,420.91
Job: 8203 - Design Integration-BROWN								
FY04 Actual Cost								
820.200	LOE FY04	01OCT03A	256*	30SEP04A		LOE	247,570.20	247,570.20
8203-ECP16	ecp16	01OCT03A	256*	30SEP04A		LOE	125,000.00	125,000.00
Prior Costs								
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	178,750.00	178,750.00
8203FY05	Design Integration FY05 LOE	01OCT04A	251*	30SEP05	1,015		117,927.61	171,028.50
8203-01	General Design Integration	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00
8203-02	Suprt interface aux sys dev&coolant/lead routing	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00
8203-03	Develop /maintain Pro/E model of NCSX facility	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00
8203-04	Support metrology efforts	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00
8203-06	Complt rvw of machine assembly approach	01JUN05*	4	06JUN05	1,098		0.00	0.00
8203-07	Rvw cryostat & conventional magnet sys design	01JUN05*	9	13JUN05	1,093		0.00	0.00
8203-08	tollerance reqmnts for MCsuprt install fixt dwgs	01JUN05*	39	26JUL05	1,063		0.00	0.00
8203-09	Machine suprt dsn f/compatibility with assy reqt	01JUN05*	12	16JUN05	1,090		0.00	0.00
8203-10	Dynamic simul MC half period install fixt w/ Pro	01JUN05*	42	29JUL05	1,060		0.00	0.00
8203-11	Document NCSX Interlink& dwg control process	01JUN05*	11	15JUN05	1,091		0.00	0.00
8203-12	Update definition VV spool piece assy simul	01JUN05*	19	27JUN05	1,083		0.00	0.00
8203FY06	Design Integration FY06	03OCT05*	250*	29SEP06	765		0.00	256,544.01
8203FY07	Design Integration FY07	02OCT06*	252*	01OCT07	513		0.00	137,444.25
Job: 8204 - Systems Analysis-BROOKS								
FY04 Actual Cost								
820.174	LOE FY04	01OCT03A	172*	30SEP04A		LOE	133,179.00	133,179.00
8204.01	Assess magnetic material in test cell	02FEB04A	85*	28MAY04A		100	37,080.00	37,080.00
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A		100	18,540.00	18,540.00



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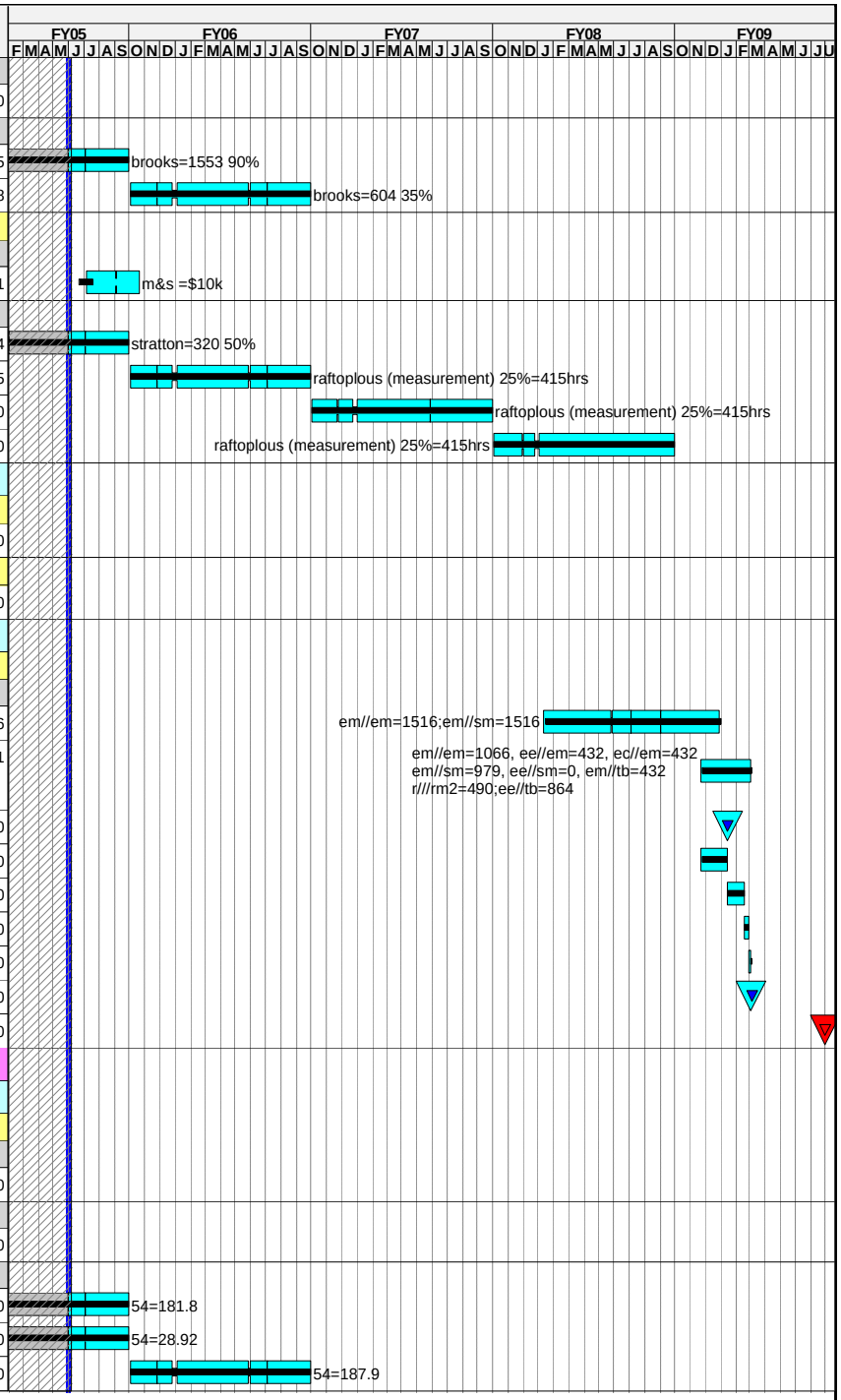
Prior Costs								
820.173	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	44,620.00	44,620.00
8204FY05	Systems Analysis FY05	01OCT04A	251*	30SEP05	1,015	LOE	167,581.51	256,633.25
8204FY06	Systems Analysis FY06	03OCT05*	250*	29SEP06	765		0.00	110,876.28
Job: 8205 - Dimensional Control Coordination								
Metrology								
740.135	Gary Puhl subcontract for metrology support	06JUL05	77	21OCT05	995		0.00	13,195.71
METFY05	Dimensional control FY05 ECP24	01FEB05A	172*	30SEP05	1,015	LOE	47,744.53	96,648.84
METFY06R	Metrology for FP & machine assy FY06	03OCT05*	250*	29SEP06	765		0.00	76,181.55
METFY07R	Metrology for FP & machine assy FY07	03OCT06*	251*	01OCT07	513		0.00	78,268.30
METFY08R	Metrology for FP & machine assy FY08	03OCT07*	250*	29SEP08	262		0.00	80,750.70
84 - Project Physics								
+ Job: 8401 - Project Physcis-ZARNSTORFF								
		01APR03A	385	30SEP04A			324,076.20	324,076.20
+ Job: 8402 - Project Physics MIE ORNL-LYON								
		01APR03A	385	30SEP04A			145,856.00	145,856.00
85 - Integrated Systems Testing								
920.001	Procedure and Document Preparation	11JAN08*	250	30DEC08	108		0.00	482,604.96
920.000	Startup Personnel	24NOV08	72	03MAR09	108		0.00	706,501.81
920.004	Begin Start-up Testing	14JAN09	0		108		0.00	0.00
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	24NOV08	37	13JAN09	108		0.00	0.00
920.010	Field Coil Testsing,FCPC test & E-Beam Mapping	14JAN09	25	17FEB09	108		0.00	0.00
920.020	Final ISTP	18FEB09	7	26FEB09	108		0.00	0.00
920.021	Operations Approval	27FEB09	3	03MAR09	108		0.00	0.00
730.9000	First Plasma		0	03MAR09	108		0.00	0.00
M-0120	CD-4 First Plasma		0	31JUL09*	0		0.00	0.00
Allocations								
PPPL Allocations								
Job: 8998 - Allocations								
FY04 Actual Cost								
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A		LOE	260,691.00	260,691.00
Prior Costs								
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	112,000.00	112,000.00
99.05	PPPL Allocations FY05	01OCT04A	251*	30SEP05	1,015	LOE	197,661.14	302,697.00
99.05P	PPPL Allocations FY05 rebaeline re-estimate	01OCT04A	251*	30SEP05	1,015	LOE	31,443.13	48,151.80
99.06	PPPL Allocations FY06	03OCT05*	250*	29SEP06	765		0.00	340,474.80



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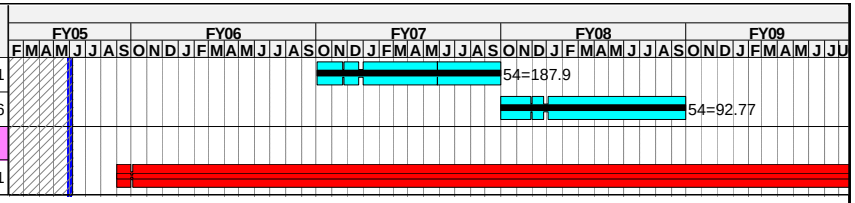
99.07	PPPL Allocations FY07	02OCT06*	252*	01OCT07	513		0.00	341,437.41
99.08	PPPL Allocations FY08	01OCT07*	252*	29SEP08	262		0.00	171,438.96
+ Contingency								
		01SEP05	1,037	30SEP09	0		0.00	12,803,920.41



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