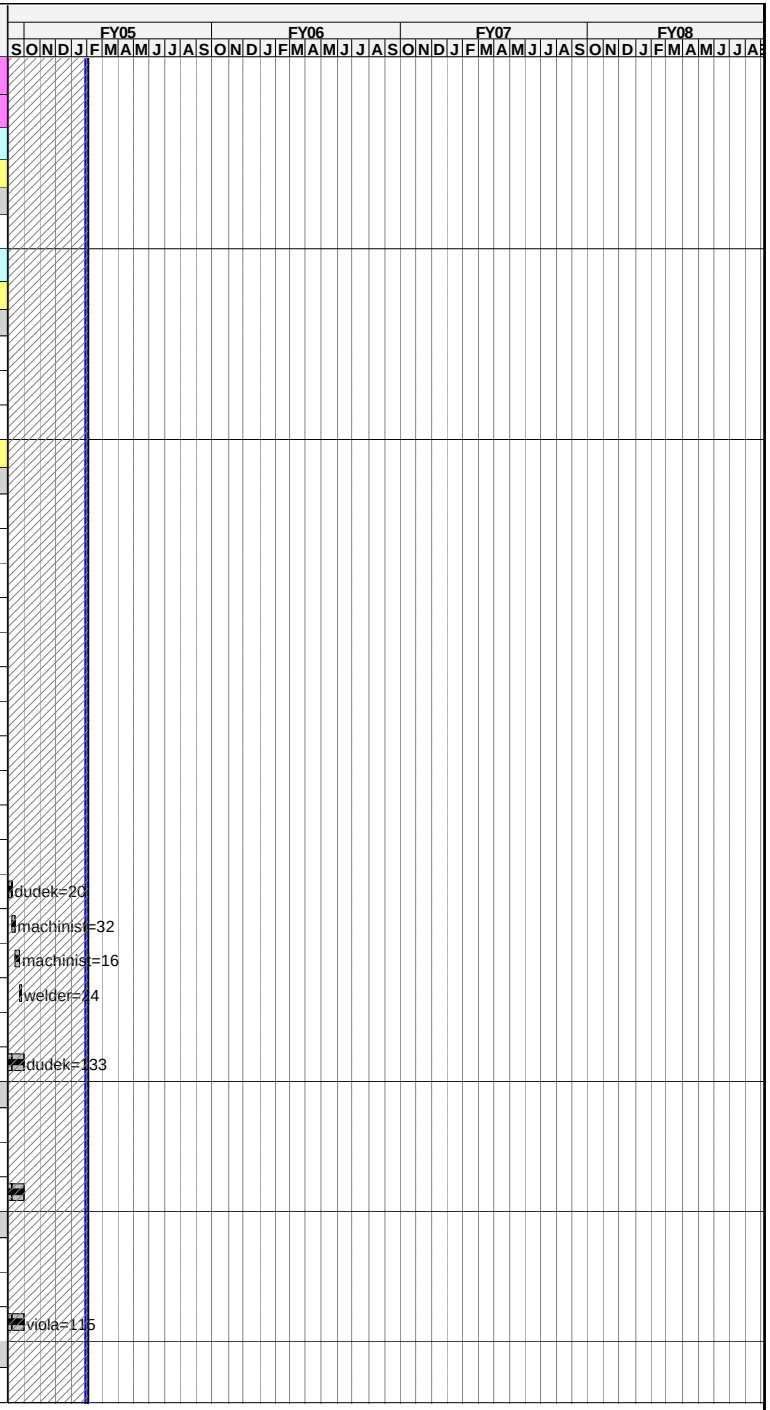
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
cc 9450 - NCSX Fabrication (MIE)									
1 - Stellarator Core Systems									
11 - In-Vessel Components									
Job: 1101 - Limiter Adv Conc/Prel Dsn-GORANSON									
0000									
1101-100	Update Conceptual Design	15JUL03A	78*	30SEP03A		100	60.00	60.00	
12 - Vacuum Vessel Systems									
Job: 1201 - Vacuum Vessel Prelim Dsn-GORANSON									
0000									
1201-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A		100	319,050.00	319,050.00	
1201-003	Apr-MSept MIE Cost PPPL	01APR03A	47	30SEP03A		100	105,370.00	105,370.00	
1201-500	WBS 12 & 14 PDR		0	07OCT03A		100	0.00	0.00	
Job: 1202 - Vacuum Vessel R&D - DUDEK									
Vessel Weld Joint R&D									
1203-405	Field Weld joint design and Specific spool piece	01DEC03A	107*	30APR04A		100	38,607.00	38,607.00	
1202-800	Inconnel Procurement *ECP6*	01APR04A	10	09APR04A		100	1,783.60	1,783.60	
1202-803	Drawings for Arc/Samples *ECP6*	12APR04A	10	16APR04A		100	3,230.00	3,230.00	
1202-806	Waterjet Arcs *ECP6*	19APR04A	2	22APR04A		100	1,228.80	1,228.80	
1202-809	Machine weld groove *ECP6*	23APR04A	5	26APR04A		100	3,369.60	3,369.60	
1202-812	Anneal Samples *ECP6*	27APR04A	2	28APR04A		100	1,684.80	1,684.80	
1202-815	Setup weld test *ECP6*	29APR04A	4	30APR04A		100	1,228.80	1,228.80	
1202-818	Weld samples *ECP6*	03MAY04A	6	10MAY04A		100	2,527.20	2,527.20	
1202-821	Eval & Redesign Joint iteration 2 *ECP6*	01JUN04A	5	07JUN04A		100	3,230.00	3,230.00	
1202-824	Machine iteration 2 *ECP6*	02AUG04A	10*	13AUG04A		100	3,369.60	3,369.60	
1202-827	Anneal iteration 2 *ECP6*	16AUG04A	2	17AUG04A		100	1,684.80	1,684.80	
1202-833	Eval & redesign joint iteration 3 *ECP6*	01SEP04A	4	07SEP04A		100	3,230.00	3,230.00	
1202-836	Machine iteration 3 *ECP6*	08SEP04A	4	13SEP04A		100	3,369.60	3,369.60	
1202-839	Anneal iteration 3 *ECP6*	14SEP04A	5	20SEP04A		100	1,684.80	1,684.80	
1202-842	Weld iteration 3 *ECP6*	21SEP04A	4	24SEP04A		100	2,527.20	2,527.20	
1202-845	SOW for full size test sample *ECP6*	24MAR04A	28*	28APR04A		100	6,460.00	6,460.00	
1202-866	Engineering Oversght *ECP6*	03MAR04A	149*	30SEP04A		100	18,249.50	18,249.50	
0000									
1202-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A		100	60.00	60.00	
1202-003	Apr-Sept MIE Cost PPPL	01APR03A	47	30SEP03A		100	128,340.00	128,340.00	
1202-ECP16	ecp-16	01OCT03A	47	30SEP04A		100	14,600.00	14,600.00	
VV Subcontractor Oversight									
1202-400	Oversight and Contract Management	01OCT03A	79*	02JAN04A		LOE	62,738.00	62,738.00	
1202-401	Oversight and Contract Management	05JAN04A	63*	31MAR04A		LOE	48,687.50	48,687.50	
1202-402	Oversight and Contract Management	01APR04A	128*	30SEP04A		LOE	18,572.50	18,572.50	
Major Tool Subcontract (S04344F)									
1202-303	MT-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0*	13JUN03A		100	17,153.60	17,153.60	



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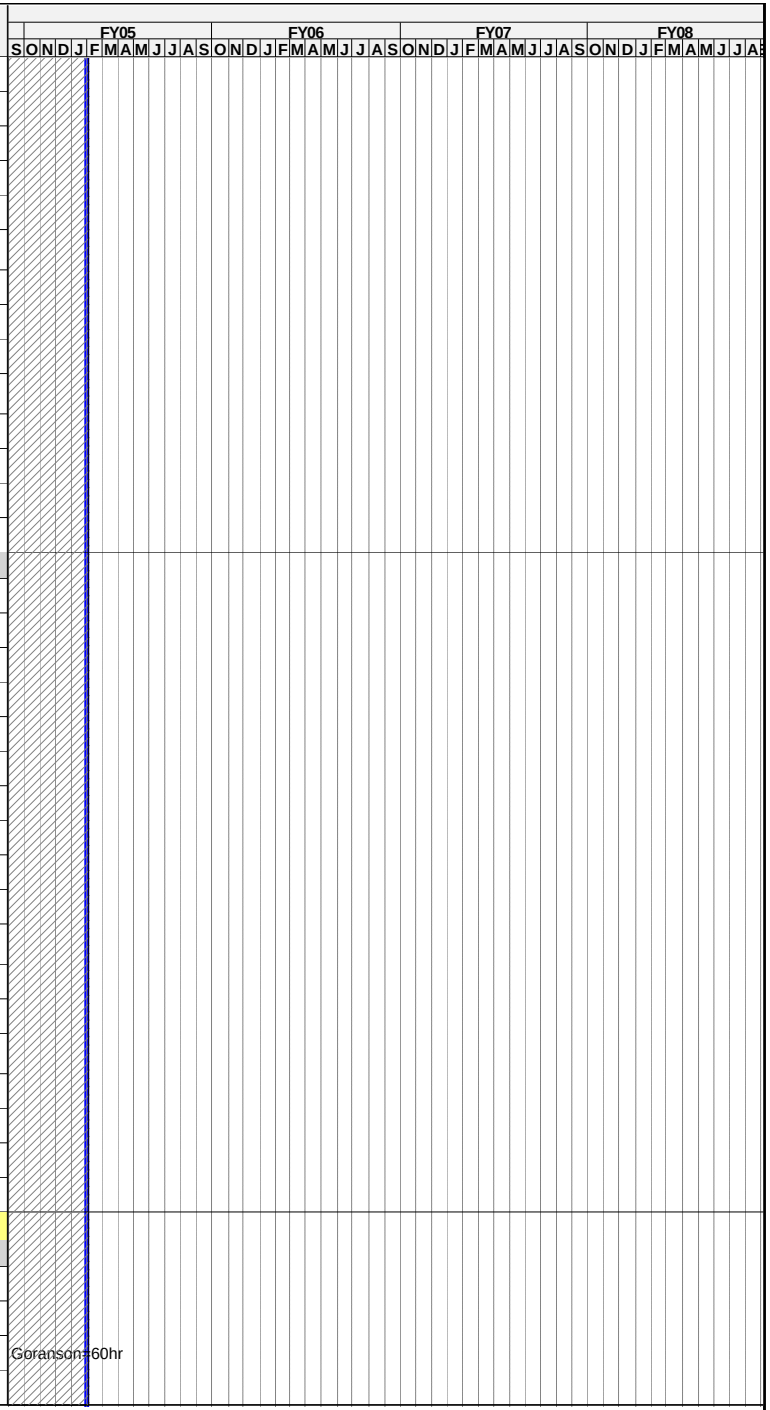
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1202-305	MT-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	15	27JUN03A		100	10,050.56	10,050.56	
1202-310	MT-Incorp Comments & Reissue MIT/QA Plan	10JUL03A	0*	17JUL03A		100	0.00	0.00	
1202-315	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52*	15AUG03A		100	0.00	0.00	
1202-320	MT-PPPL Fabrication Release		0	15AUG03A		100	0.00	0.00	
1202-324	MT-PVVS Begin Fabrication (3.2.2)	18AUG03A	56*	30SEP03A		100	368,464.16	368,464.16	
1202-325	MT-PVVS Complete Fabrication (3.2.2) [A/ 1]	10NOV03A	122*	23APR04A		100	375,115.28	375,115.28	
1202-325.1	Major Tool VVSA Prototype Received		0	23APR04A		100	0.00	0.00	
1202-325A	Vist MT for welding	01APR04A	3	01APR04A		100	2,584.00	2,584.00	
1202-326	Prep Inspection Plan for MT PVVS	30APR04A	5	30APR04A		100	0.00	0.00	
1202-327	PPPL Receipt Inspection of MT PVVS	14JUN04A	5	18JUN04A		100	14,148.00	14,148.00	
1202-328	Prep Inspection Report of MT PVVS	01JUL04A	5	08JUL04A		100	0.00	0.00	
1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15*	22JUL04A		100	6,370.00	6,370.00	
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15*	22JUL04A		100	6,370.00	6,370.00	
1202-335.1	Major Tool VVSA Price Proposal Received		0	22JUL04A		100	0.00	0.00	
Rohwedder Subcontract (S04345F)									
1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0*	13JUN03A		100	71,888.08	71,888.08	
1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	76*	27JUN03A		100	19,352.16	19,352.16	
1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	10JUL03A	0*	17JUL03A		100	0.00	0.00	
1202-415	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52*	15AUG03A		100	0.00	0.00	
1202-420	RW-PPPL Fabrication Release		0	15AUG03A		100	0.00	0.00	
1202-424	RW-PVVS Begin Fabrication (3.2.2)	18AUG03A	131*	30SEP03A		100	143,280.88	143,280.88	
1202-424A	RW identify fabricator	01DEC03A	1	15DEC03A		100	0.00	0.00	
1202-424B	PPPL approve new fabricator	16DEC03A	1	31DEC03A		100	0.00	0.00	
1202-424D	PPPL visit fabricator (Jan)	01JAN04A	2	30JAN04A		100	0.00	0.00	
1202-424E	PPPL visit fabricator (Feb)	01MAR04A	2	31MAR04A		100	0.00	0.00	
1202-425	RW-PVVS Complete Fabrication (3.2.2)	01OCT03A	170	28MAY04A		100	311,059.84	311,059.84	
1202-425.1	Rohwedder VVSA Prototype Received		0	08JUN04A		100	0.00	0.00	
1202-426	Prep Inspection Plan for RW PVVS	07JUN04A	5	08JUN04A		100	0.00	0.00	
1202-427	PPPL Receipt Inspection of RW PVVS	08JUN04A	10	21JUN04A		100	14,148.00	14,148.00	
1202-428	Prep Inspection Report of RW PVVS	01JUL04A	5	08JUL04A		100	0.00	0.00	
1202-430	RW-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15*	22JUL04A		100	23,709.14	23,709.14	
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15*	22JUL04A		100	15,122.38	15,122.38	
1202-435.1	Rohwedder VVSA Price Proposal Received		0	22JUL04A		100	0.00	0.00	
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON									
Closeout PDR Design Deliverables									
1203-101	Prepare documents for PDR closeout	03NOV03A	62*	30JAN04A		100	7,721.40	7,721.40	
1203-111	Response to chits, prepare FY04	01OCT03A	25	31OCT03A		100	7,721.40	7,721.40	
1203-121	Review, revise, and approve SRD	01NOV03A	212*	31AUG04A		100	7,721.40	7,721.40	
1203-131	Complete preliminary design of insulation and he	10NOV03A	122*	31MAR04A		100	11,582.10	11,582.10	



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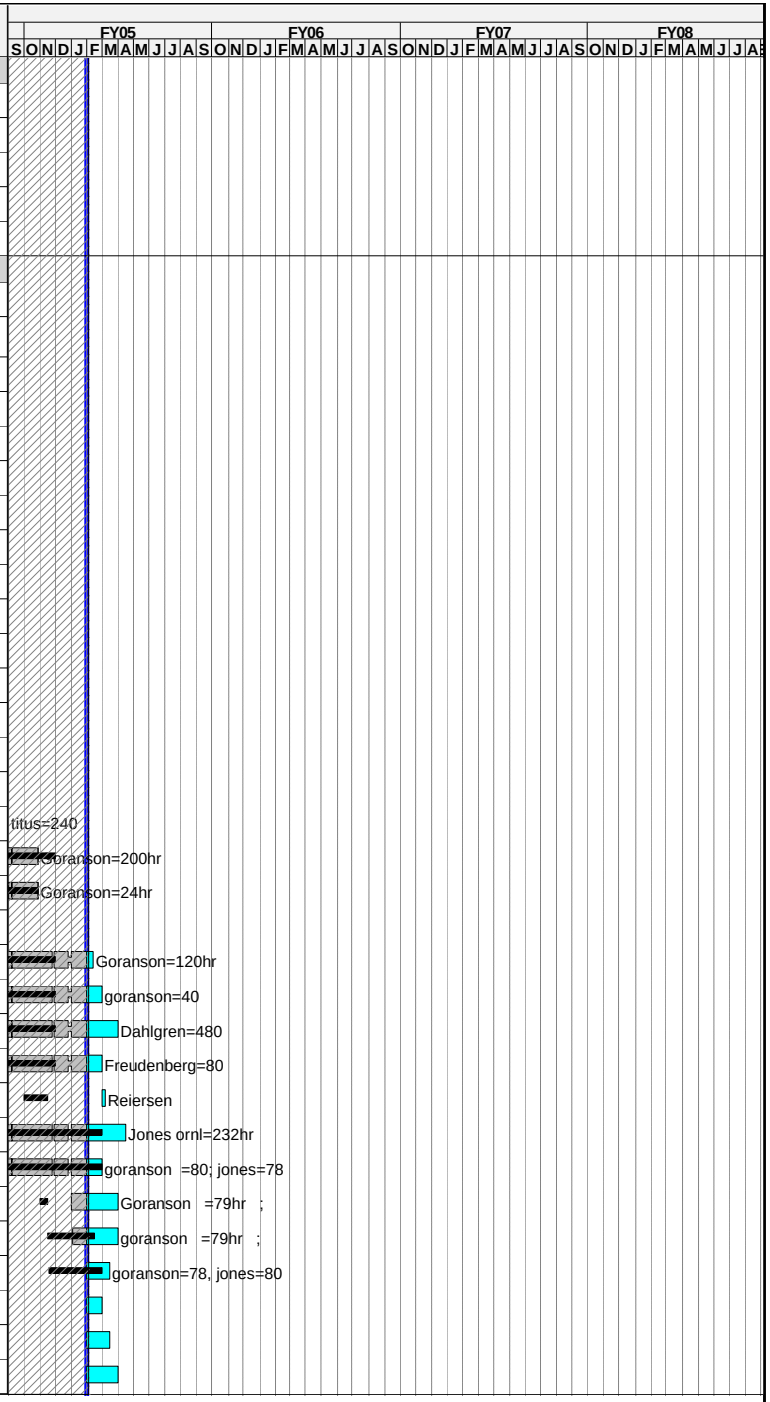
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
PDR Recommendations									
1203-400	350c Bakeout Study	03NOV03A	94*	31DEC03A		100	25,738.00	25,738.00	
1203-401	Analysis & testing of tube attachment method	01DEC03A	20	31DEC03A		100	0.00	0.00	
1203-402	Determine thermal expansion vv to mcc clearance	01NOV03A	39*	31DEC03A		100	0.00	0.00	
1203-403	Determine cost of fabrication	01DEC03A	20	31DEC03A		100	0.00	0.00	
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT		0	31DEC03A		100	0.00	0.00	
Final Design Tasks									
1203-141	Finalize Spec for VVSA	01MAR04A	87*	30JUN04A		100	18,067.60	18,067.60	
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	23,012.76	23,012.76	
1203-191	Start Eddy Current Analyses	03NOV03A	87*	30JAN04A		100	3,536.05	3,536.05	
1203-202	Start Port Nozzle Analysis	02JAN04A	63*	30JAN04A		100	5,142.40	5,142.40	
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	12,856.00	12,856.00	
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	26,019.26	26,019.26	
1203-301	Update Cost and Schedule Estimates	01SEP04A	42*	29OCT04A		100	3,311.16	3,311.16	
1203-311	Prepare Final Design ECP	24MAY04A	10	28MAY04A		100	3,088.56	3,088.56	
1203-161	Finalize & Sign All ICDs	20NOV03A	308*	11FEB05	295	90	14,470.92	16,078.80	
1203-201	Update/Perform FMECA Analyses	01MAR04A	250*	28FEB05	279	95	5,169.36	5,441.43	
1203-232	Structural Analysis of Vac Vsl	01MAR04A	272*	30MAR05	262	98	77,097.85	78,671.28	$16,280
1203-239	Perform Analysis of VV Supports	01MAR04A	250*	28FEB05	284	95	10,338.72	10,882.86	$11,248
1203-241	Check FMECA Analyses	01MAR05	5	07MAR05	279		0.00	0.00	
1203-361	Final Design of Heating/Cooling	03NOV03A	263*	15APR05	250	10	3,203.24	32,032.43	$87,616
124-011	Final design WBS 124 VV supports	01JUL04A	163*	28FEB05	284	79	17,662.52	22,113.14	($6,956)
125-001	Prelim design WBS 125 local I&C	01JAN05A	65*	01APR05	260	67	7,793.41	11,631.96	($7,844)
125-011	Final design WBS 125 local I&C	03JAN05A	65*	01APR05	260	67	7,813.14	11,661.41	($4,292)
124-011.1	Lateral VV supports	01FEB05	31*	15MAR05	273		0.00	23,263.92	($5,624)
124-011.2	Analysis of Lateral supports	01FEB05*	20*	28FEB05	284		0.00	0.00	$5,920
124-011.3	check support analysis	01FEB05*	31*	15MAR05	273		0.00	0.00	$4,736
120-100	Magnetic Diag Interface/Install dwgs	01FEB05*	44*	01APR05	260		0.00	0.00	$17,760



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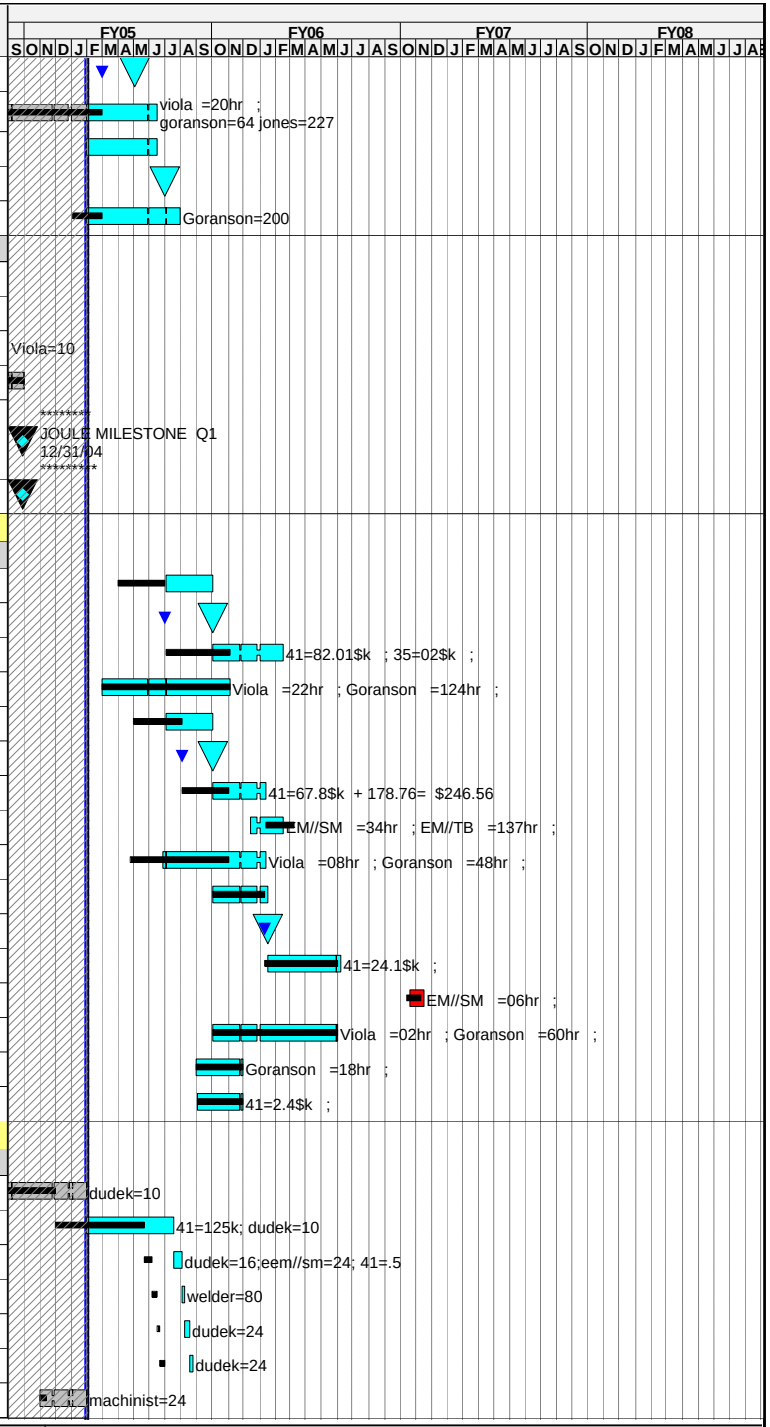
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1203-900	**Compreshensive WBS 12 FDR w/o insul/htrs**		0	02MAY05*	239		0.00	0.00	($5,920)
122-011	Final design WBS 122 Thermal insulation	01JUN04A	261*	15JUN05	139	51	22,825.16	44,378.51	$35,224
122-012	Heater Tape Design	01FEB05	96*	15JUN05	1,091		0.00	0.00	$43,808
1203-901	**WBS 12 FDR insulation & heaters**		0	01JUL05*	127		0.00	0.00	
1203-271	Develop/Confirm & Installation Process	01FEB05*	127*	29JUL05	1,060	10	2,874.69	28,746.90	
Vacuum Vessel Vendor Selection									
121-6-6	Finalize tech Doc package & Resolve chits	01JUN04A	0*	30JUN04A		100	1,286.90	1,286.90	
121-6-8	Evaluate and Select VV Production Vendor	01AUG04A	0*	12AUG04A		100	2,901.90	2,901.90	
121-6-83	Negotiate with vendor	17AUG04A	0*	31AUG04A		100	1,615.00	1,615.00	
121-6-85	DOE Approve VV Selection & contract	01SEP04A	11	30SEP04A		100	0.00	0.00	
121-6-9	Award VV Production Vendor (Phase funded)		0	27SEP04A		100	0.00	0.00	
121-36-9.2	Release for Fabrication		0	27SEP04A		100	0.00	0.00	
Job:1204-VV Sys Procurements (non VVSA)-GORANSON									
122-030	SPEA VV Thermal Insulation	05JUL05*	65	03OCT05	127		0.00	0.00	
122-036.9	Award VV Insulation		0	03OCT05	127		0.00	0.00	
122-037	VV Insulation Procurement WBS 122	04OCT05	89	15FEB06	127		0.00	109,262.90	
122-031	Title III engr WBS 122	01MAR05*	177	04NOV05	168		0.00	21,952.83	
123-030	SPEA VV Heating & Cooling	05JUL05*	65	03OCT05	127		0.00	0.00	
123-036.9	Award VV Heating/Cooling Distribution		0	03OCT05	127		0.00	0.00	
123-037	VV Heating/Cooling Distr Procurement WBS 123	04OCT05	65	12JAN06	127		0.00	318,062.40	
123-041	VV Heating/Cooling Fab/Assy WBS 123	14DEC05*	40	15FEB06	143		0.00	14,887.44	
123-031	Title III engr WBS 123	27JUN05	135	12JAN06	127		0.00	8,420.39	
124-030	SPEA VV Supports	03OCT05*	69	17JAN06	187		0.00	0.00	
124-036.9	Award VV Supports		0	17JAN06	187		0.00	0.00	
124-037	VV Supports Procurement WBS 124	18JAN06	100	07JUN06	187		0.00	31,089.00	
124-041	VV Supports Fab/assy WBS 124	20OCT06	20	16NOV06	92		0.00	699.30	
124-031	Title III engr WBS 124	03OCT05*	165	01JUN06	209		0.00	9,176.00	
125-015	Title III design Local I&C	01SEP05*	61	28NOV05	154		0.00	2,650.32	
125-037	Procurement Local I&C	02SEP05*	60	28NOV05	154		0.00	3,179.16	
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	190*			LOE	1,640.85	1,640.85	
1202-851	vendor fab & deliver full size sample *ECP6*	01FEB05	120	18JUL05	1,061		0.00	175,299.90	$5,000
1202-854	Instrument sample *ECP6*	19JUL05	11	02AUG05	1,061		0.00	5,986.50	
1202-857	Perform welds on sample *ECP6*	03AUG05	5	09AUG05	1,061		0.00	8,707.20	
1202-860	Measure Results *ECP6*	10AUG05	6	17AUG05	1,061		0.00	4,019.76	
1202-863	Report Results *ECP6*	18AUG05	5	24AUG05	1,061		0.00	4,019.76	
1206-100	Prep Sample	01NOV04A	61*			50	1,306.08	2,612.16	



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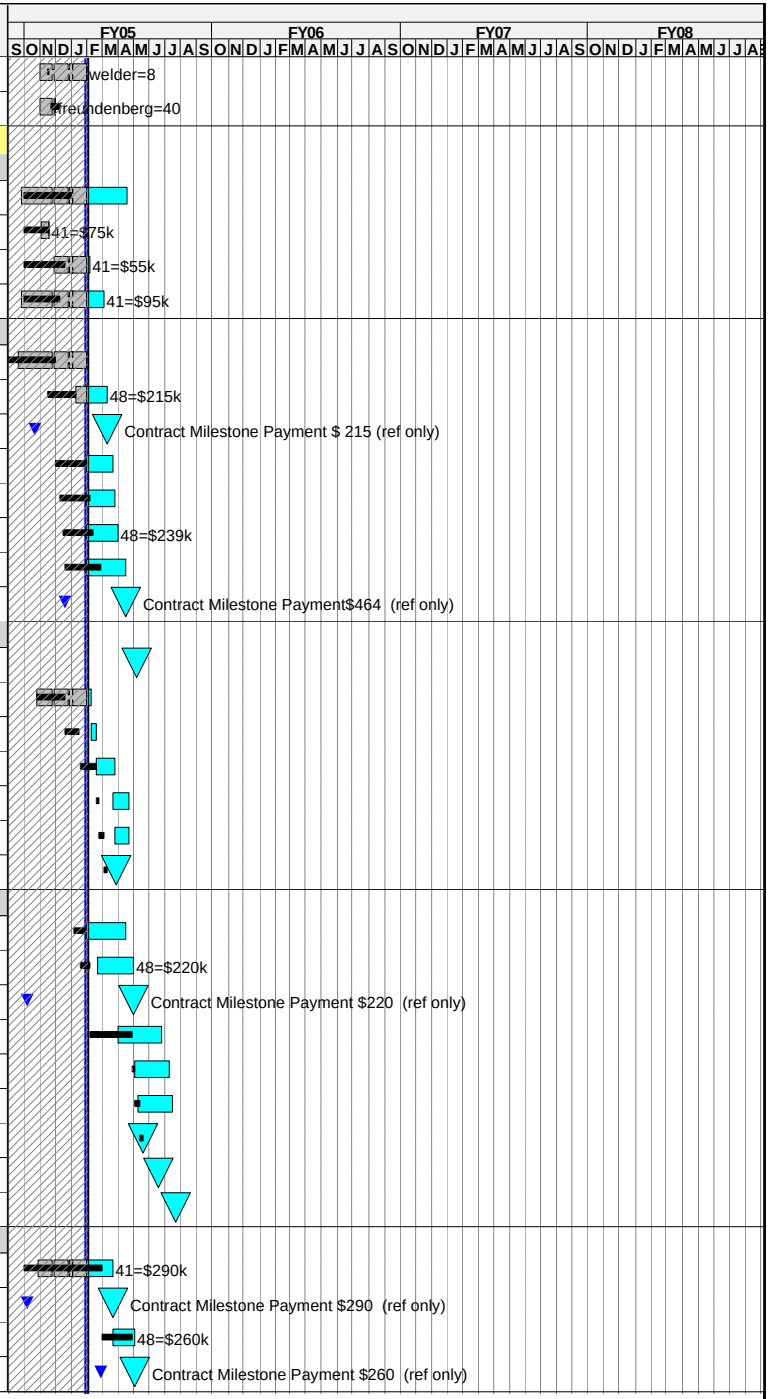
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1206-110	Weld	01NOV04A	61*			50	318.20	636.40	
1206-115	Analyze	01NOV04A	10	30NOV04A		100	6,715.60	6,715.60	
Job: 1250 - Vacuum Vessel Fabrication-VIOLA									
Start Up/Engineering									
VVSA-001	Process Order	24SEP04A	142*	18APR05	1,153	60	0.00	0.00	
VVSA-011	Sect 5.1 Segmentation Scheme	04NOV04A	5	19NOV04A		100	104,175.00	104,175.00	
VVSA-021	Sect 5.1.2 Fiducials	29NOV04A	47*	04FEB05	1,204	95	72,575.25	76,395.00	
VVSA-031	Sect 5.1.3 Proc Outline & Asc Procedures	24SEP04A	111*	04MAR05	1,184	80	105,170.30	131,462.88	
Dies & Gages									
VVSA-041	Engineering	20SEP04A	91*	31JAN05A		100	0.00	0.00	
VVSA-051	Procure Die Materials (4 sets)	10JAN05A	43*	09MAR05	235	60	129,000.00	215,000.00	
121-100	S005243 #1-Die Material Procured		0	09MAR05	1,181		0.00	0.00	
VVSA-061	Machine Complete	01FEB05*	37*	23MAR05	225		0.00	0.00	
VVSA-071	Deburr	01FEB05*	38	24MAR05	224		0.00	0.00	
VVSA-081	Inspection	01FEB05*	42*	30MAR05	220		0.00	239,000.00	
VVSA-091	Development Panels (9 panels)	01FEB05*	54*	15APR05	208		0.00	0.00	
121-115	S005243 #4-Dies Manufactured		0	15APR05	1,154		0.00	0.00	
Fixture (2) 60 degree									
VVA-152	Inspection Second		0	06MAY05*	1,139		0.00	0.00	
VVSA-101	Engineering	25OCT04A	73*	09FEB05	381	90	0.00	0.00	
VVSA-111	Procure Materials	10FEB05*	6*	17FEB05	381		0.00	0.00	
VVSA-121	Fab & Machine	18FEB05*	26*	25MAR05	375		0.00	0.00	
VVSA-131	Assemble	22MAR05*	22*	20APR05	1,151		0.00	0.00	
VVSA-141	Deburr	25MAR05*	21*	22APR05	1,149		0.00	0.00	
VVSA-151	Inspection First		0	29MAR05*	373		0.00	0.00	
Fixture (3) 120 degree									
VVSA-161	Engineering	01FEB05*	54*	15APR05	1,148	10	0.00	0.00	
VVSA-171	Procure Materials	21FEB05*	50*	29APR05	1,134		0.00	220,000.00	
121-110	S005243 #3-Fixture material procured		0	29APR05	1,144		0.00	0.00	
VVSA-181	Fab & Machine	01APR05*	60*	23JUN05	1,105		0.00	0.00	
VVSA-191	Assemble	04MAY05*	48*	08JUL05	1,094		0.00	0.00	
VVSA-201	Deburr	12MAY05*	47*	15JUL05	1,089		0.00	0.00	
VVSA-211	Inspection -60 to 60		0	18MAY05*	371		0.00	0.00	
VVSA-212	Inspection -Milling		0	17JUN05*	1,109		0.00	0.00	
VVSA-213	Inspection - Port Weld		0	22JUL05*	1,084		0.00	0.00	
Panels & Ports									
VVSA-221	Procure Vessel Material	29OCT04A	97*	21MAR05	197	65	261,826.50	402,810.00	
121-105	S005243 #2-Vessel material procured		0	21MAR05*	1,173		0.00	0.00	
VVSA-231	Production Panels Period #1	22MAR05	30*	02MAY05	197		0.00	260,000.00	
121-120	S005243 #5-1/3 of Vessel plates formed		0	02MAY05*	1,143		0.00	0.00	



Run Date 15FEB05 15:16

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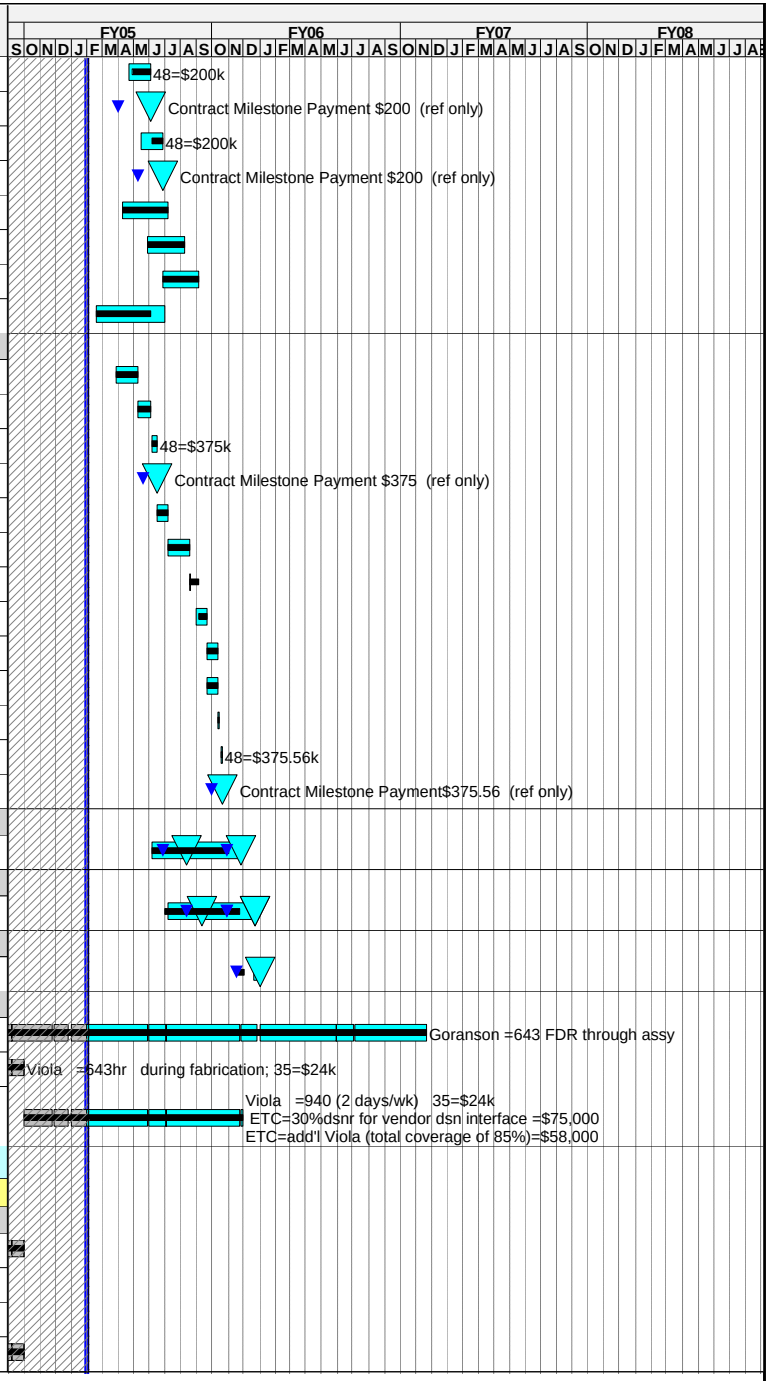
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
VVSA-241	Production Panels Period #2	22APR05*	31*	03JUN05	235		0.00	200,000.00	
121-125	S005243 #6-Second 1/3 of vsl plates formed		0	03JUN05*	1,119		0.00	0.00	
VVSA-251	Production Panels Period #3	17MAY05*	31*	28JUN05	308		0.00	200,000.00	
121-130	S005243 #7-Last 1/3 of vsl plates formed		0	28JUN05*	1,102		0.00	0.00	
VVSA-261	Port Ext, Misc HW Period #1	11APR05*	62*	05JUL05	192		0.00	0.00	
VVSA-271	Port Ext, Misc HW Period #2	30MAY05*	52*	09AUG05	257		0.00	0.00	
VVSA-281	Port Ext, Misc HW Period #3	27JUN05*	52*	06SEP05	325		0.00	0.00	
VVSA-291	Spacer & port Ext	17FEB05*	97*	01JUL05	425		0.00	0.00	
First 120 deg segment									
VVSA-301	1st 60 deg segment	29MAR05*	31	10MAY05	192		0.00	0.00	
VVSA-311	2nd 60 deg segment	11MAY05	18	03JUN05	192		0.00	0.00	
VVSA-321	Join two pieces	06JUN05*	7	14JUN05	192		0.00	375,000.00	
121-135	S005243 #8-One VVSA fabricated		0	14JUN05*	1,112		0.00	0.00	
VVSA-331	Machine for Ports	15JUN05	15	05JUL05	192		0.00	0.00	
VVSA-341	Weld Ports	06JUL05	30	16AUG05	192		0.00	0.00	
VVSA-351	Final Machine (not required)	17AUG05	0	16AUG05	192		0.00	0.00	
VVSA-361	Vacuum Test	01SEP05*	14*	20SEP05	181		0.00	0.00	
VVSA-371	Cut Off Ports	21SEP05	15	11OCT05	181		0.00	0.00	
VVSA-371A	**change order -mark stud locations**	21SEP05	15	11OCT05	181		0.00	0.00	$3,500
VVSA-381	Pack for Shipping LI#4	12OCT05	3	14OCT05	181		0.00	0.00	
VVSA-391	Receive at PPPL	17OCT05	3	19OCT05	181		0.00	375,560.00	
121-150	S005243 #11-Receipt/Acceptance of 1st VVSA		0	19OCT05*	1,021		0.00	0.00	
+ Second 120 deg segment									
		06JUN05	125	25NOV05	994		0.00	725,000.00	
+ Third 120 deg segment									
		06JUL05	122	22DEC05	975		0.00	725,000.00	
+ Ship Tooling									
		21DEC05	9	02JAN06	968		0.00	486,000.00	
121-031	VVSA Title III engr	21MAY04A	631*	22NOV06	727	LOE	25,263.59	93,223.59	$62,000
121-032	VVSA Contract oversight FY04	21MAY04A	386*	30SEP04A		LOE	20,187.50	20,187.50	
121-033	VVSA Contract oversight FY05 & FY06	01OCT04A	290*	28NOV05	976	LOE	54,280.69	199,561.35	$133,000
13 - Conventional Coils									
Job: 1301 - TF Design-KALISH									
0000									
163-001	Title I design CS sprt struc	01DEC03A	341*	30SEP04A		LOE	46,702.93	46,702.93	
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	
1301-FY04	FY04 cost variance	01OCT03A	64*	30SEP04A		100	27,000.00	27,000.00	



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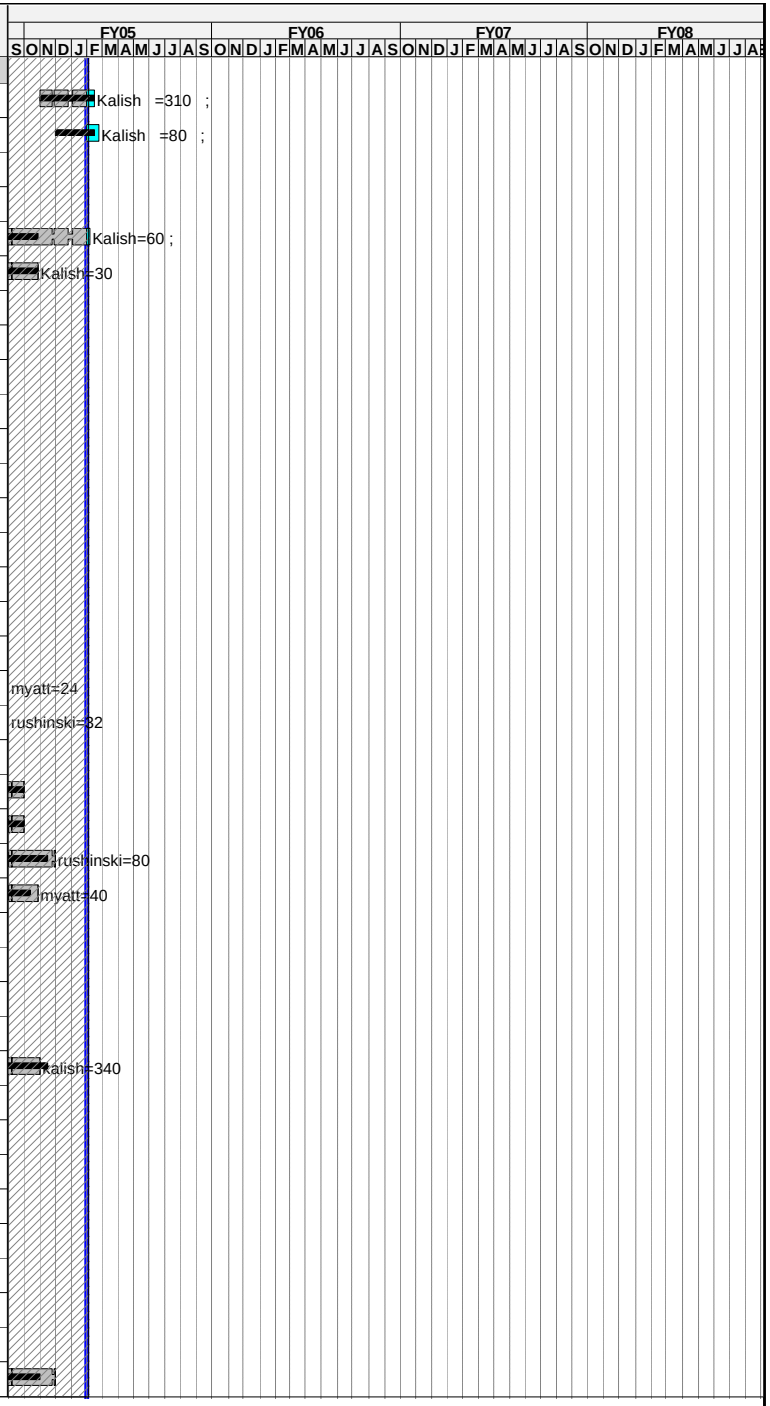
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
130-000	TF PDR & FDR Engineering	01NOV04A	68*	15FEB05	1,170	LOE	43,614.46	52,045.90	
133-010	Design WBS 134 Conv Coil I&C	01FEB05*	16	22FEB05	577		0.00	13,431.20	
1402-004	Subcontract analysis upport for PDR	01OCT03A	41*	26NOV03A		100	5,096.00	5,096.00	
1402-005	VV/MCC PDR support	01OCT03A	37*	31OCT03A		100	4,178.20	4,178.20	
1301-100	Prepare Scope Sheet & define interfaces	03NOV03A	309*	04FEB05	1,177	90	1,756.17	1,951.30	
1301-105	Prepare Interface Dwgs for ICD's	01DEC03A	230*	29OCT04A		100	2,904.42	2,904.42	
1301-140	Complete Draft SOW	02JAN04A	10	15JAN04A		100	4,821.00	4,821.00	
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	16JAN04A	2	19JAN04A		100	1,285.60	1,285.60	
1301-150	Vendor Responses	02FEB04A	102*	30APR04A		100	7,231.50	7,231.50	
1301-155	Trim Coil Layouts	01OCT03A	59*	23DEC03A		100	55,762.90	55,762.90	
1301-160	Trim Coil Leads	01DEC03A	140*	30JAN04A		100	7,070.80	7,070.80	
1301-165	PF1-PF3 Support System Layouts	01DEC03A	15	30JAN04A		100	21,373.10	21,373.10	
1301-300	Investigate Experimental Data *ECP6*	12APR04A	5	16APR04A		100	642.80	642.80	
1301-303	Prepare Test Reqmnts *ECP6*	19APR04A	61*	30JUN04A		100	803.50	803.50	
1301-318	Evaluate 3D glass *ECP6*	05APR04A	5	09APR04A		100	642.80	642.80	
1301-170	New Lead Details	01DEC03A	10	23DEC03A		100	14,141.60	14,141.60	
1301-175.1	Evaluate Design as Cost Savings	01AUG04A	3	31AUG04A		100	0.00	0.00	
1301-175.2	Revised Design Stress Analysis	02AUG04A	5	31AUG04A		100	3,822.00	3,822.00	
1301-175.3	Layout New Wedge Concept	02AUG04A	5	31AUG04A		100	5,142.40	5,142.40	
1301-175.4	Develop Comparison	02AUG04A	4	31AUG04A		100	0.00	0.00	
1301-175.5	Cost Estimate for Wedge Concept	02AUG04A	43*	30SEP04A		100	0.00	0.00	
1301-175.6	Review Revised TF Concept	01SEP04A	1	30SEP04A		100	0.00	0.00	
1301-175.7	Complete PDR Drawings	01SEP04A	62	30NOV04A		100	13,236.37	13,236.37	
1301-175.8	Rerun Analysis	01SEP04A	42*	29OCT04A		100	6,370.00	6,370.00	
1301-180	Update ANSYS model & structure	03NOV03A	142*	27FEB04A		100	8,294.62	8,294.62	
1301-185	FEA Analysis Coils,Stress deflection	01DEC03A	123*	28MAY04A		100	12,272.40	12,272.40	
1301-195	Seismic Analysis	26NOV03A	104*	30APR04A		100	12,272.40	12,272.40	
1301-190	FEA Analysis PF Supports,Stress Deflection	01MAR04A	108*	30JUN04A		100	9,817.92	9,817.92	
1301R-00	Oversight,suprevision,job management	02JUL04A	104*	01NOV04A		LOE	55,270.72	55,270.72	
1301R-03	ReEvaluate Analysis, Dahlgren	02JUL04A	15	22JUL04A		100	19,284.00	19,284.00	
1301R-04	Is Insulation Scheme Acceptable ?	23JUL04A	1	23JUL04A		100	0.00	0.00	
1301R-05	Change Insulation Scheme	26JUL04A	1	26JUL04A		100	1,285.60	1,285.60	
1301R-06	Prepare Test Spec	27JUL04A	3	29JUL04A		100	0.00	0.00	
1301R-17	Insulation Voltage Standoff Evaluation	29JUL04A	2	30JUL04A		100	0.00	0.00	
1301R-22	Hydraulic Analysis	21JUN04A	10	02JUL04A		100	12,856.00	12,856.00	
1301R-24	Launching Load Evaluation	06JUL04A	15	23JUL04A		100	0.00	0.00	
1301R-28	TF Defelction vs Island Study	05JUL04A	10	16JUL04A		100	0.00	0.00	
1301R-29	Review SRD	30JUN04A	106*	30NOV04A		100	0.00	0.00	



Run Date 15FEB05 15:16

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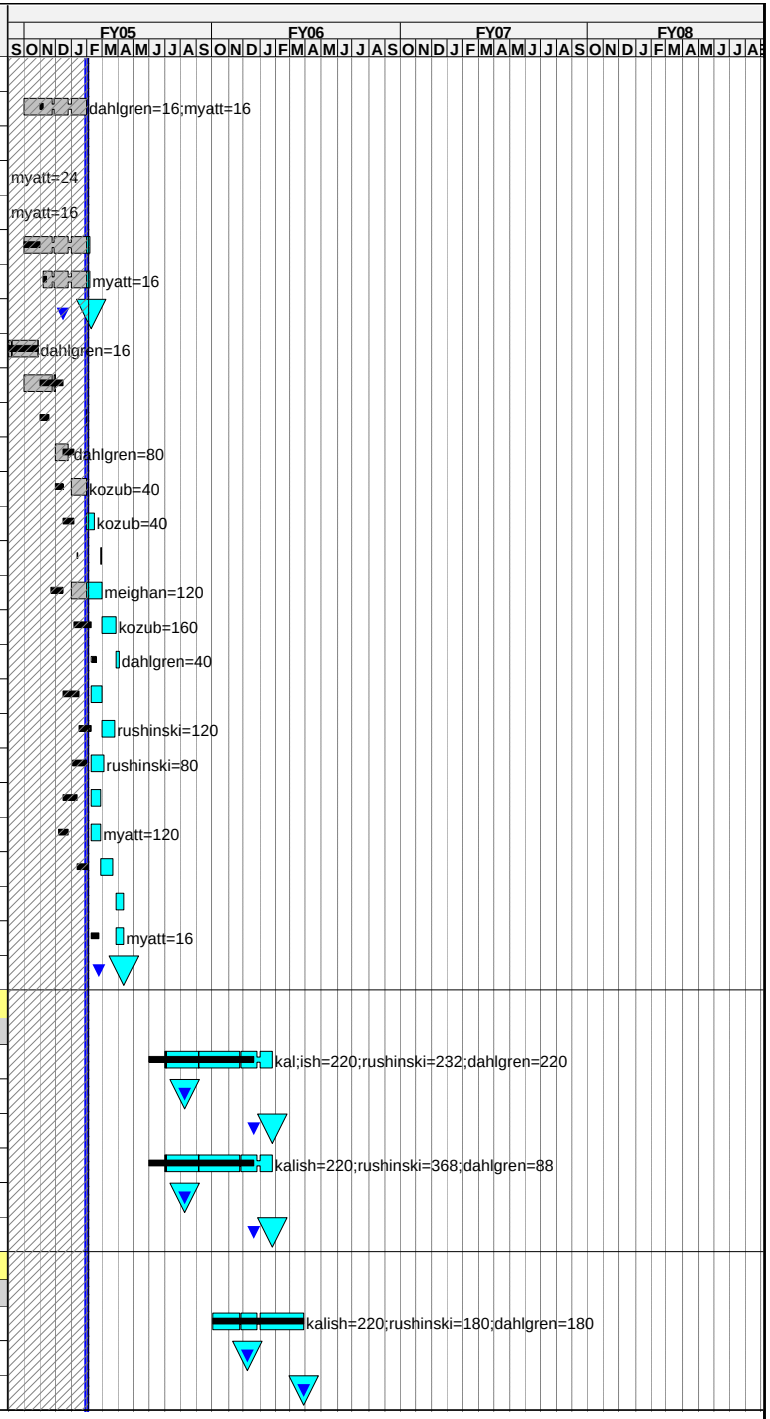
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1301R-19	Add New Pusher Support Stucture	01AUG04A	2	31AUG04A		100	0.00	0.00	
1301R-23	Document and Summerize Analysis	01OCT04A	79*	31JAN05A		100	5,234.24	5,234.24	
1301R-25	Final Determination ofLaunching Loads	01AUG04A	1	31AUG04A		100	1,274.00	1,274.00	
1301R-26	Final Launch Load Analysis	02AUG04A	3	31AUG04A		100	3,822.00	3,822.00	
1301R-27	Obtain Stresses from Deflection Analysis	01AUG04A	2	31AUG04A		100	2,548.00	2,548.00	
1301R-32	Prepare ICDs	01OCT04A	83*	04FEB05	1,183	25	0.00	0.00	
1301R-33	Prepare PDR Material	08NOV04A	57*	04FEB05	158	25	637.00	2,548.00	
1301R-20	TF PDR		0	07FEB05*	157		0.00	0.00	
1301R-07	Procure Test Services	01SEP04A	42*	29OCT04A		100	2,628.72	2,628.72	
1301R-08	Test Materials at CTD	01OCT04A	51*	30NOV04A		100	0.00	0.00	
1301R-09	Order Sample Materials	31JAN05A	0*	31JAN05A		10	0.00	0.00	
1301R-10	Check or Re-Run Analysis with new data	01DEC04A	10	31DEC04A		100	13,431.20	13,431.20	
1301R-11	Design Test Fixtures	01JAN05A	10	31JAN05A		100	6,715.60	6,715.60	
1301R-12	Build Test Fixture	01FEB05	10	14FEB05	172		0.00	6,715.60	
1301R-13	Update Cost and Schedule	28FEB05	0*	25FEB05	177		0.00	0.00	
1301R-14	Build Samples	01JAN05A	41*	28FEB05	162	60	7,836.48	13,060.80	
1301R-15	Cryo Test for Coil Sample	01MAR05	20	28MAR05	162		0.00	26,862.40	
1301R-16	Evaluate Samples	29MAR05	5	04APR05	162		0.00	6,715.60	
1301R-21	Pusher Design Analysis	08FEB05*	15	28FEB05	157		0.00	0.00	
1301R-34	Final Design Coil Windings	01MAR05*	19	25MAR05	157		0.00	20,146.80	
1301R-36	Final Design Leads	08FEB05*	19	04MAR05	172		0.00	13,431.20	
1301R-37	Prepare Coil Spec	08FEB05*	14	25FEB05	161		0.00	0.00	
1301R-38	Analysis, Final with Leads Terminals & Supports	08FEB05	14	25FEB05	177		0.00	19,110.00	
1301R-31	Review and Approve Coil Spec	28FEB05*	16	21MAR05	161		0.00	0.00	
1301R-39	Check Analysis	29MAR05	10	11APR05	157		0.00	0.00	
1301R-35	Prepare for TF FDR	28MAR05*	11	11APR05	157		0.00	2,548.00	
131-012	WBS 13 TF FDR		0	11APR05*	156		0.00	0.00	
Job: 1302 - PF and CS Design -KALISH									
1302-PF	PF Design	01JUL05*	140	26JAN06	229		0.00	114,036.87	
141-012	PF 1-6 PDR		0	08AUG05*	294		0.00	0.00	
141-013	PF 1-6 FDR		0	26JAN06	229		0.00	0.00	
1302-CSS	Center Stack Support Design	01JUL05*	140	26JAN06	180		0.00	114,715.66	
1301-136	CS Support PDR		0	08AUG05*	1,048		0.00	0.00	
1301-137	CS Support FDR		0	26JAN06	180		0.00	0.00	
Job: 1303 - Trim coil Design-KALISH									
1303-TRIM	Trim Coil Design	03OCT05*	119	28MAR06	208		0.00	99,307.60	
1303-136	Trim Coil PDR		0	08DEC05*	963		0.00	0.00	
1303-137	Trim Coil FDR		0	28MAR06	208		0.00	0.00	



Run Date 15FEB05 15:16

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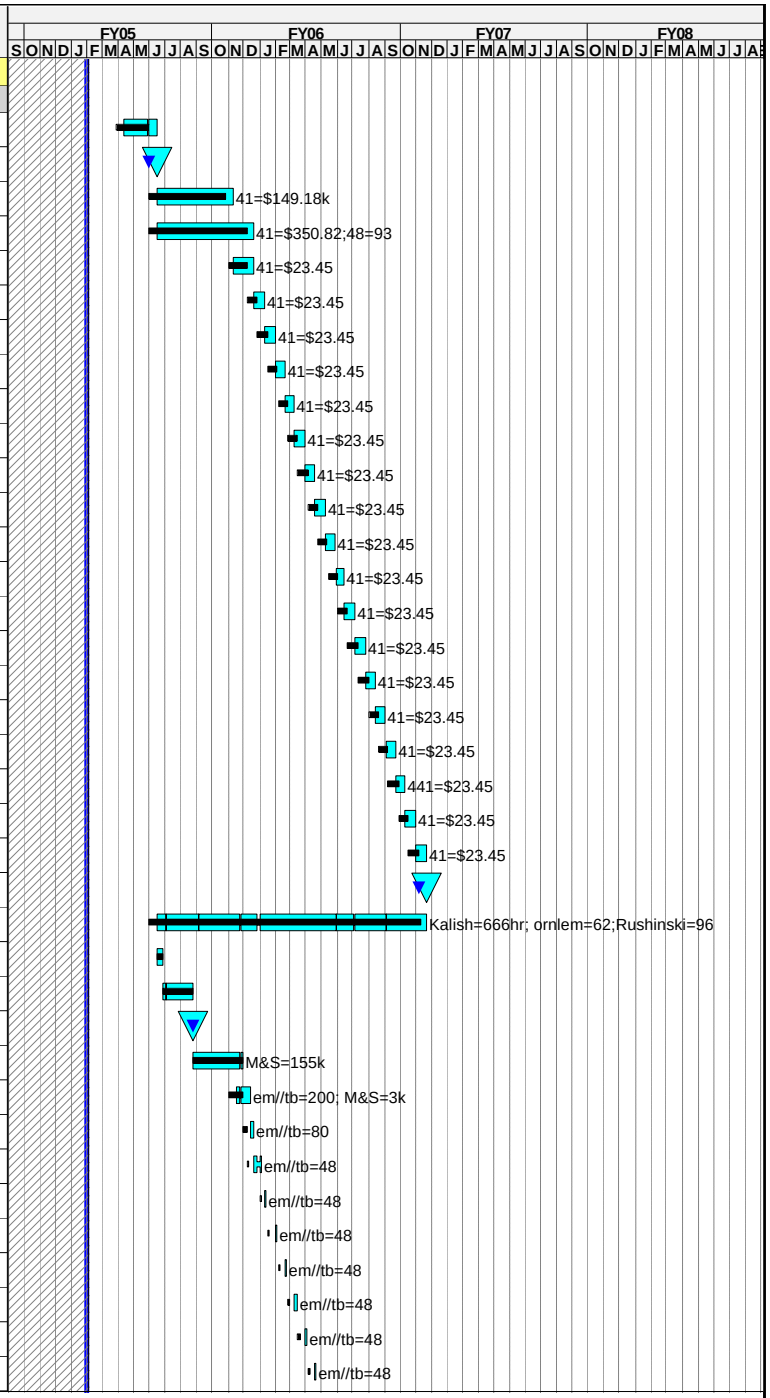
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
Job: 1351 - TF Coil Procurement-KALISH									
TF Coil Fabrication									
131-034	Bid & Evaluate TF Coils	12APR05*	45	14JUN05	156		0.00	0.00	
131-035	TF Coils Awarded		0	14JUN05*	156		0.00	0.00	
1351-100	Tooling	15JUN05	106	09NOV05	166		0.00	193,877.71	
1351-105	materials & leads	15JUN05	135	20DEC05	167		0.00	542,556.34	
1351-110	Wind,wrap,VPI & test TF #1	10NOV05	30	21DEC05	166		0.00	23,450.00	
1351-115	Wind,wrap,VPI & test TF #2	22DEC05	14	10JAN06	166		0.00	23,450.00	
1351-120	Wind,wrap,VPI & test TF #3	11JAN06	14	30JAN06	166		0.00	23,450.00	
1351-125	Wind,wrap,VPI & test TF #4	31JAN06	14	17FEB06	166		0.00	23,450.00	
1351-130	Wind,wrap,VPI & test TF # 5	20FEB06	14	09MAR06	166		0.00	23,450.00	
1351-135	Wind,wrap,VPI & test TF # 6	10MAR06	14	29MAR06	166		0.00	23,450.00	
1351-140	Wind,wrap,VPI & test TF # 7	30MAR06	14	18APR06	166		0.00	23,450.00	
1351-145	Wind,wrap,VPI & test TF # 8	19APR06	14	08MAY06	166		0.00	23,450.00	
1351-150	Wind,wrap,VPI & test TF # 9	09MAY06	14	26MAY06	166		0.00	23,450.00	
1351-155	Wind,wrap,VPI & test TF # 10	29MAY06	14	15JUN06	166		0.00	23,450.00	
1351-160	Wind,wrap,VPI & test TF # 11	16JUN06	14	05JUL06	166		0.00	23,450.00	
1351-165	Wind,wrap,VPI & test TF # 12	06JUL06	14	25JUL06	166		0.00	23,450.00	
1351-170	Wind,wrap,VPI & test TF # 13	26JUL06	14	14AUG06	166		0.00	23,450.00	
1351-175	Wind,wrap,VPI & test TF # 14	15AUG06	14	01SEP06	166		0.00	23,450.00	
1351-180	Wind,wrap,VPI & test TF # 15	04SEP06	14	21SEP06	166		0.00	23,450.00	
1351-185	Wind,wrap,VPI & test TF # 16	22SEP06	14	11OCT06	166		0.00	23,450.00	
1351-190	Wind,wrap,VPI & test TF # 17	12OCT06	14	31OCT06	166		0.00	23,450.00	
1351-195	Wind,wrap,VPI & test TF # 18	01NOV06	14	20NOV06	166		0.00	23,450.00	
131-038	All TF Coils Delivered		0	20NOV06	166		0.00	0.00	
131-031	Title III engr	15JUN05*	361	20NOV06	725		0.00	139,760.67	
1351-85A	Prep Spec and Req for TF castings	15JUN05	10	28JUN05	251		0.00	0.00	
1351-85B	Bid & Award TF Castings	29JUN05	40	24AUG05	251		0.00	0.00	
1351-85C	Award TF Castings		0	24AUG05*	251		0.00	0.00	
1351-85D	Vendor Fab TF Castings	25AUG05	66	28NOV05	251		0.00	195,617.05	
1301-86	Fab/Assemble Fixture	16NOV05	19	14DEC05	234		0.00	19,869.00	
1301-88	Setup Wedge Casting Fixture	15DEC05	5	21DEC05	234		0.00	6,489.60	
1351-110A	Assemble TF to Wedge Casting TF#1	22DEC05	3	03JAN06	234		0.00	3,893.76	
1351-115A	Assemble TF to Wedge Casting TF#2	11JAN06	3	13JAN06	328		0.00	3,893.76	
1351-120A	Assemble TF to Wedge Casting TF#3	31JAN06	3	02FEB06	317		0.00	3,893.76	
1351-125A	Assemble TF to Wedge Casting TF#4	20FEB06	3	22FEB06	307		0.00	3,893.76	
1351-130A	Assemble TF to Wedge Casting TF#5	10MAR06	3	14MAR06	296		0.00	3,893.76	
1351-135A	Assemble TF to Wedge Casting TF#6	30MAR06	3	03APR06	285		0.00	3,893.76	
1351-140A	Assemble TF to Wedge Casting TF#7	19APR06	3	21APR06	275		0.00	3,893.76	



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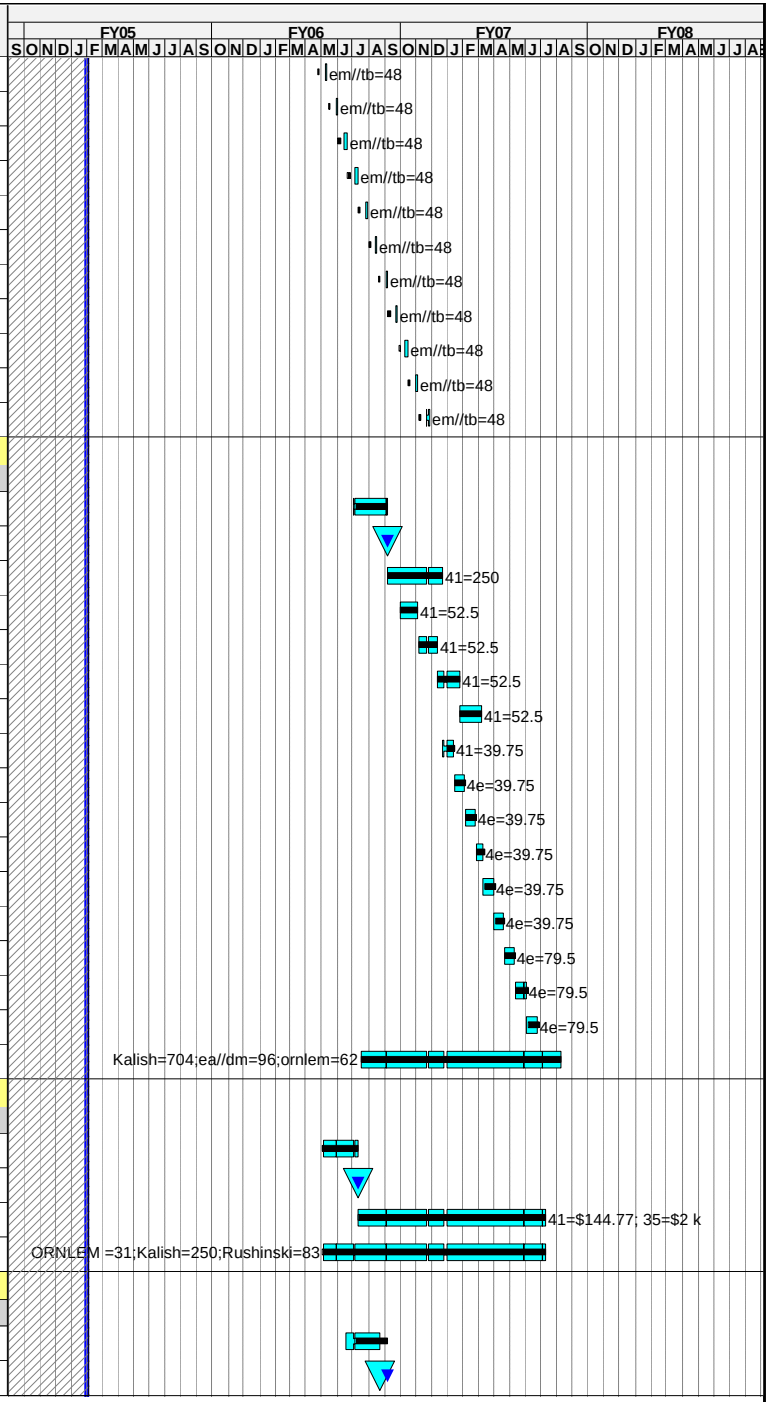
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1351-145A	Assemble TF to Wedge Casting TF#8	09MAY06	3	11MAY06	264		0.00	3,893.76	
1351-150A	Assemble TF to Wedge Casting TF#9	30MAY06	3	01JUN06	253		0.00	3,893.76	
1351-155A	Assemble TF to Wedge Casting TF#10	16JUN06	3	20JUN06	244		0.00	3,893.76	
1351-160A	Assemble TF to Wedge Casting TF#11	06JUL06	3	10JUL06	234		0.00	3,893.76	
1351-165A	Assemble TF to Wedge Casting TF#12	26JUL06	3	28JUL06	223		0.00	3,893.76	
1351-170A	Assemble TF to Wedge Casting TF#13	15AUG06	3	17AUG06	214		0.00	3,893.76	
1351-175A	Assemble TF to Wedge Casting TF#14	04SEP06	3	06SEP06	203		0.00	3,893.76	
1351-180A	Assemble TF to Wedge Casting TF#15	22SEP06	3	26SEP06	192		0.00	3,893.76	
1351-185A	Assemble TF to Wedge Casting TF#16	12OCT06	3	16OCT06	182		0.00	4,088.64	
1351-190A	Assemble TF to Wedge Casting TF#17	01NOV06	3	03NOV06	171		0.00	4,088.64	
1351-195A	Assemble TF to Wedge Casting TF#18	21NOV06	3	27NOV06	160		0.00	4,088.64	
Job: 1352 - PF Coil Procurement-KALISH									
PF Coil Fabrication									
141-035	Bid & Award PF Coils	03JUL06*	45	05SEP06	119		0.00	0.00	
141-036	PF Coils Awarded		0	05SEP06	119		0.00	0.00	
1352-100	Material & leads	06SEP06	75	21DEC06	119		0.00	329,150.00	
1352-110	Tooling for PF 4	02OCT06*	25	03NOV06	136		0.00	69,562.50	
1352-115	Tooling for PF 5	06NOV06	25	12DEC06	136		0.00	69,562.50	
1352-120	Tooling for PF 6	13DEC06	25	24JAN07	151		0.00	69,562.50	
1352-105	Tooling for PF 1,2 and 3	25JAN07	30	07MAR07	151		0.00	69,562.50	
1352-140	Fabricate/Dlvr PF 4 lower	22DEC06	10	12JAN07	119		0.00	52,668.75	
1352-145	Fabricate/Dlvr PF 5 lower	15JAN07	15	02FEB07	119		0.00	43,009.50	
1352-150	Fabricate/Dlvr PF 6 lower	05FEB07	15	23FEB07	119		0.00	43,009.50	
1352-155	Fabricate/Dlvr PF 4 upper	26FEB07	10	09MAR07	119		0.00	43,009.50	
1352-160	Fabricate/Dlvr PF 5 upper	12MAR07	15	30MAR07	119		0.00	43,009.50	
1352-165	Fabricate/Dlvr PF 6 upper	02APR07	15	20APR07	119		0.00	43,009.50	
1352-125	Fabricate/Dlvr PF 1 upper & lower	23APR07	15	11MAY07	119		0.00	86,019.00	
1352-130	Fabricate/Dlvr PF 2 upper & lower	14MAY07	15	04JUN07	119		0.00	86,019.00	
1352-135	Fabricate/Dlvr PF 3 upper & lower	05JUN07	15	25JUN07	119		0.00	86,019.00	
141-031	Title III engr WBS 132	17JUL06*	268	09AUG07	547		0.00	151,940.41	
Job: 1353 - CS Structure Procurement-KALISH									
CS Support Structure									
163-035	Bid & Award CS Support Struct	05MAY06	45	10JUL06	110		0.00	0.00	
163-036.9	Award CS Support Structure		0	10JUL06*	110		0.00	0.00	
163-037	CS Support Structure Procurement/Fab	11JUL06*	249	09JUL07	110		0.00	194,263.41	
163-015	Title III design CS sprt struc	05MAY06	294	09JUL07	570		0.00	63,581.97	
Job: 1354 - Trim Coil Procurement-KALISH									
Trim Coils									
184-035	Bid & Award Ext Trim Coils	19JUN06	45	21AUG06	151		0.00	0.00	
184-036	Award External Trim Coils		0	21AUG06*	151		0.00	0.00	



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- december status
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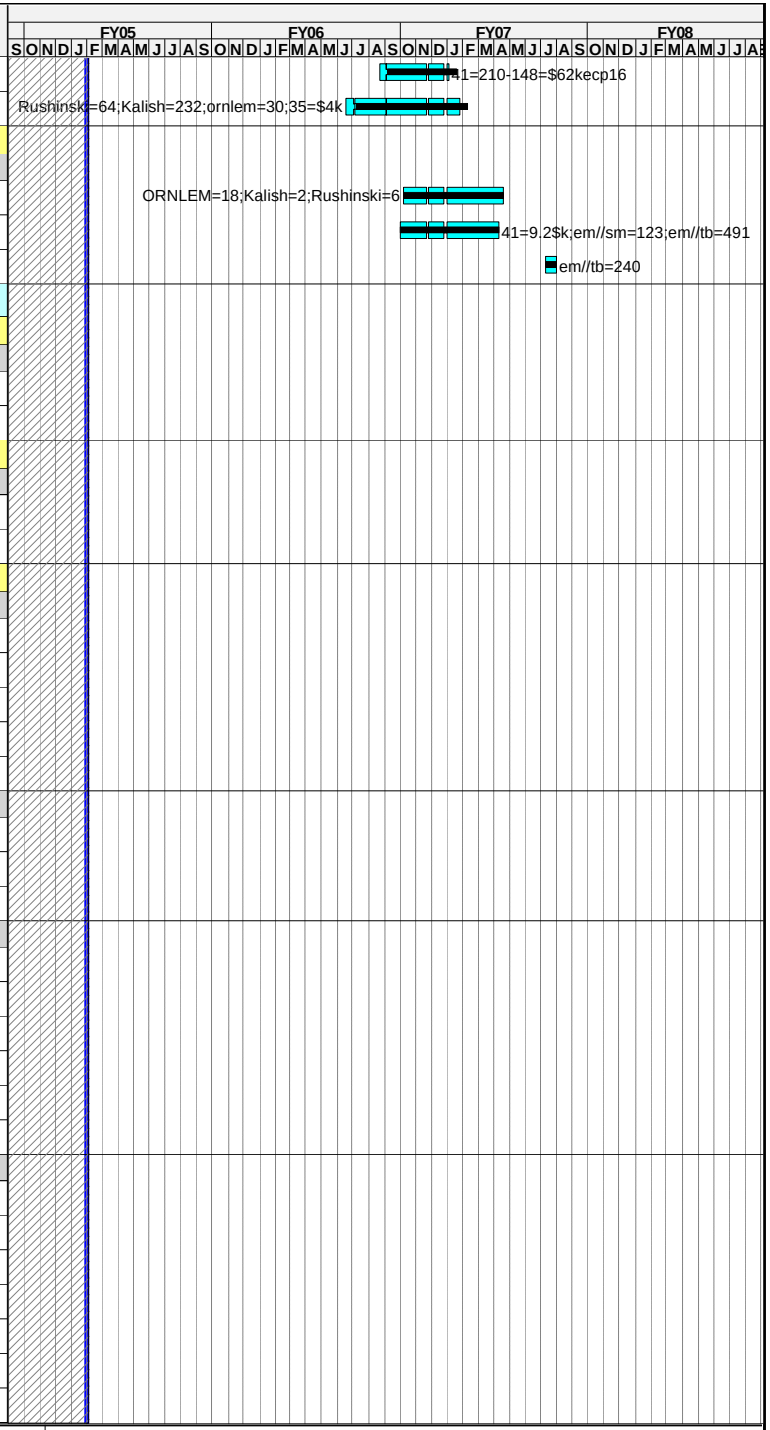
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
184-037	External Trim Coil Procurement/Fab*ecp16	22AUG06	87	02JAN07	151		0.00	81,451.61	
184-015	Title III WBS 133 Rxt Trim Coils	19JUN06	147	23JAN07	687		0.00	63,627.23	
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	3,842.74	
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	173		0.00	68,349.03	
1355-100	CS and PF 1-3 Pre-Assy incl coil I&C procurement	10JUL07	15	30JUL07	110		0.00	20,443.20	
14 - Modular Coils									
Job: 1401 - Mod Coil Prel.Dsn-WILLIAMSON									
0000									
1401-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	303,040.00	303,040.00	
1401-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	0.00	0.00	
Job: 1402 - Mod.Coil Analyses-WILLIAMSON									
0000									
1402-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	84,220.00	84,220.00	
1402-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	154,920.00	154,920.00	
Job: 1403 - Modular Coil Final Design-WILLIAMSON									
PDR/PBR Prep									
1403-04	Plan response to PDR chits	01OCT03A	23	31OCT03A		100	2,573.80	2,573.80	
1403-05	Prepare FY04 WP / WAF / Checklists	08OCT03A	21	14OCT03A		100	2,573.80	2,573.80	
1403-06	Prepare documents for PDR closeout	15OCT03A	52*	24DEC03A		100	10,295.20	10,295.20	
1403-07	Prepare PBR documentation	31OCT03A	19*	18NOV03A		100	2,573.80	2,573.80	
1403-08	Performance Baseline Review		0	18NOV03A		100	0.00	0.00	
Requirements/Config and Interfaces									
1403-10	Review, revise, and approve SRD	15OCT03A	160	28MAY04A		100	2,573.80	2,573.80	
1403-13	Finalize winding pack ref xsec, conductor dims	15OCT03A	45*	26NOV03A		100	2,573.80	2,573.80	
1403-14	Revise winding form and windings/asm models	15OCT03A	75*	30JAN04A		100	41,309.49	41,309.49	
Analysis - Thermal & Electrical									
1403-21	Document electrical, insulation parameters	15OCT03A	56*	19DEC03A		100	2,573.80	2,573.80	
1403-22	Update thermal analysis to current WP design	22OCT03A	51*	19DEC03A		100	5,147.60	5,147.60	
1403-23	Update thermo-hydraulic analysis of coils	01DEC03A	127*	18MAY04A		100	6,428.00	6,428.00	
1403-25	Check EM loads calculation for ref scenarios	02FEB04A	85*	18MAY04A		100	5,147.60	5,147.60	
1403-26	Perform scan of EM fault load conditions	01DEC03A	127*	18MAY04A		100	10,295.20	10,295.20	
1403-26.1	Check thermal & electrical calculations	02FEB04A	85*	18MAY04A		100	10,295.20	10,295.20	
Analysis - Structural									
141TITLE2P	PDR #1,4,26 Access,Tolerance Budget,Bolting	01MAR04A	65*	18MAY04A		100	26,896.21	26,896.21	
1403-29	Complete ANSYS model of coil structure asm	15OCT03A	160*	18MAY04A		100	160,700.00	160,700.00	
1403-30	Analyze global stress /deflect winding form asm	31OCT03A	148*	18MAY04A		100	16,070.00	16,070.00	
1403-31	Analyze stress in bolted connections	01MAR04A	65*	18MAY04A		100	6,428.00	6,428.00	
1403-32	Update MECHANICA model of 3 coil types	15OCT03A	160*	18MAY04A		100	10,295.20	10,295.20	
1403-33	Anlyz wind pack deflect/stress fo thrml, EM lds	01MAR04A	65*	18MAY04A		100	5,147.60	5,147.60	
1403-34	Analyze and optimize clamp locations	01MAR04A	55*	30APR04A		100	5,147.60	5,147.60	



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NCSX
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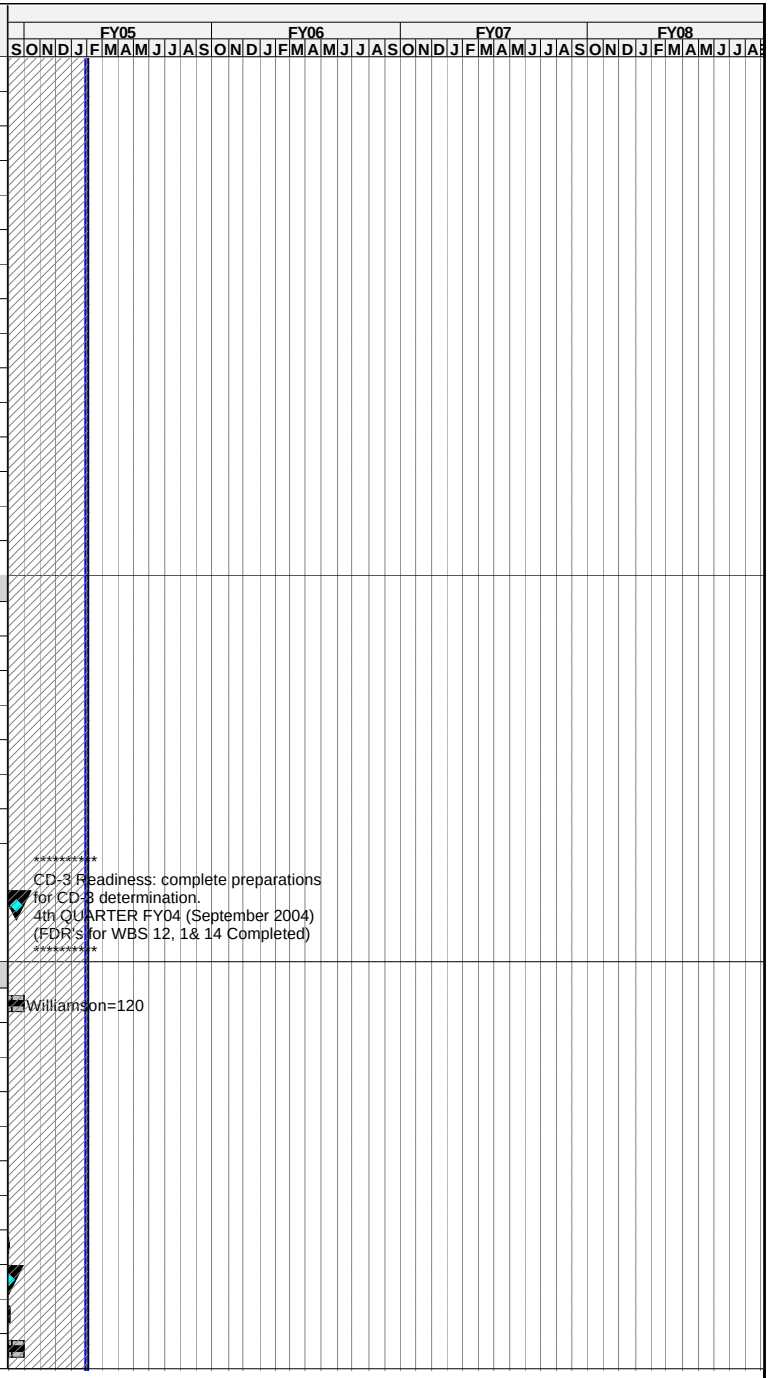
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1403-35	Perform supporting analysis for material tests	15OCT03A	150*	30APR04A		100	16,727.62	16,727.62	
1403-36	Update EM loads for reference scenarios	01MAR04A	55*	30APR04A		100	10,357.62	10,357.62	
1403-37	Perform check og global structural analysis	01MAR04A	65*	18MAY04A		100	16,727.62	16,727.62	
1403-38	Check nonlinear winding pack analysis	01MAR04A	65*	18MAY04A		100	10,357.62	10,357.62	
1403-39	Analyze gravity, equip, seismic loading	01MAR04A	65*	18MAY04A		100	6,428.00	6,428.00	
1403-40	Analyze combined loads and fault conditions	01MAR04A	65*	18MAY04A		100	6,428.00	6,428.00	
1403-40.1	Check Structural Calculations	02FEB04A	107*	18MAY04A		100	9,265.68	9,265.68	
1403-40.1A	Prepare plate element model of coil structure	01MAR04A	65*	18MAY04A		100	9,265.68	9,265.68	
1403-40.1B	Confirm global deflection/stress, re-inf of shel	02FEB04A	85*	18MAY04A		100	10,295.20	10,295.20	
1403-40.1C	Check all struct calculkations	01MAR04A	65*	18MAY04A		100	9,265.68	9,265.68	
1403-40.2A	Develop multi-filament model of all coils	01MAR04A	65*	18MAY04A		100	3,088.56	3,088.56	
1403-40.2B	Confirm Plasma performance & surface quality	26APR04A	25*	18MAY04A		100	3,856.80	3,856.80	
1403-40.2C	Model expected deflections under thermal/EM load	26APR04A	25*	18MAY04A		100	6,177.12	6,177.12	
1403-40.2D	Confirm plasma performance & surface quality	26APR04A	25*	18MAY04A		100	7,713.60	7,713.60	
1403-41	Prepare structural analysis report	26APR04A	25*	18MAY04A		100	18,531.36	18,531.36	
Winding Form FDR Prep									
1403-03	Increase for actual cost of Final Design ECP 11	15OCT03A	118*	30JUN04A		100	358,000.00	358,000.00	
1403-43	Incorporate changes due to prototype fabr	01MAR04A	22*	31MAR04A		100	10,423.89	10,423.89	
1403-47	Prepare failure modes assessment (FMECA)	26APR04A	68*	19MAY04A		100	4,504.15	4,504.15	
1403-50	Prepare FDR documentation / presentations	01MAY04A	9	18MAY04A		100	10,295.20	10,295.20	
1403-50.2	Prepare Prelim Bid Package	23APR04A	0*	23APR04A		100	0.00	0.00	
1403-50.5	Prelim Bid Package Released		0	23APR04A		100	0.00	0.00	
1403-51	MCWF FDR		0	19MAY04A		100	0.00	0.00	
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness		0	16SEP04A		100	0.00	0.00	
MCWF Procurement									
1403-53	Resolve FDR comments and recommendations	01JUN04A	86*	30SEP04A		100	15,442.80	15,442.80	
1403-54	Final bid package(specs,models,dwgs)	09JUN04A	17*	30JUN04A		100	8,109.32	8,109.32	
1010	Prep & Issue RFP	01JUL04A	1	01JUL04A		100	0.00	0.00	
1020	EIO & JPP Prepare and submit FPP proposal	02AUG04A	0*	02AUG04A		100	0.00	0.00	
1030.1	Review & Evaluate Proposals	03AUG04A	5	13AUG04A		100	22,208.40	22,208.40	
1030.2	Vendor Oral Presentations	16AUG04A	3	20AUG04A		100	0.00	0.00	
1030.3	Best & Final Offers	23AUG04A	2	27AUG04A		100	0.00	0.00	
1030.4	Evaluate & Make Recomendation	30AUG04A	5	30AUG04A		100	0.00	0.00	
1040	Vendor Decision		0	31AUG04A		100	0.00	0.00	
1030.5	Prepare Contract Package	01SEP04A	0*	03SEP04A		100	0.00	0.00	
1050	DOE review and PPPL Award Contract	01SEP04A	0*	30SEP04A		100	0.00	0.00	



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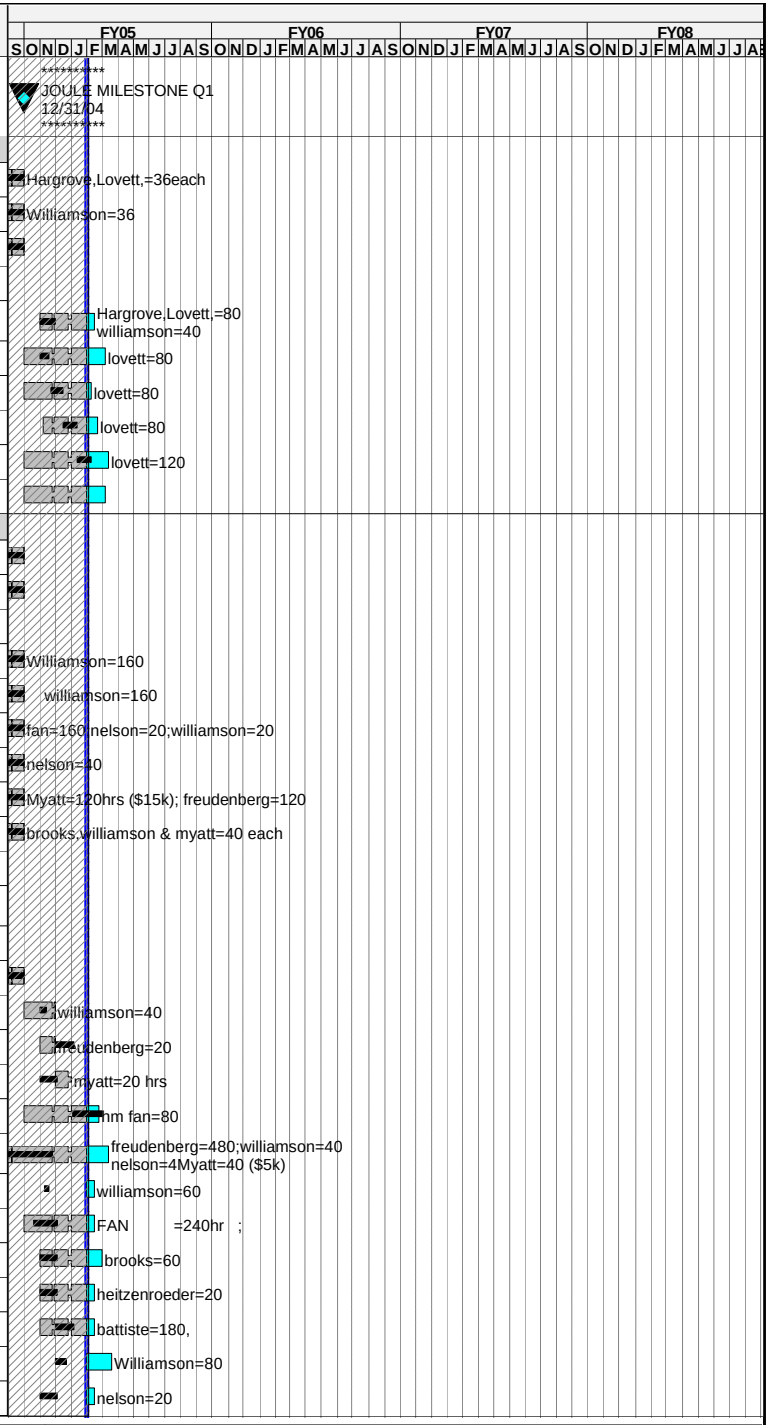
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
C-081	Award MCWF Mfg Contract (phase funded)		0	30SEP04A		100	0.00	0.00	
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	69*	15FEB05	199	50	14,724.00	29,448.00	
1403-16	Assembly bolts, nuts,washers	01OCT04A	104*	07MAR05	185	50	5,889.60	11,779.20	
1403-17	Assembly shims	01OCT04A	85*	08FEB05	204	50	5,889.60	11,779.20	
1403-18	Eccentric ball assembly	08NOV04A	68*	21FEB05	195	50	5,889.60	11,779.20	
1403-19	Top assembly dwgs for mod coil shell	01OCT04A	109*	14MAR05	180	50	8,834.40	17,668.80	
1403-19A	Bladder Details	01OCT04A	104*	07MAR05	185	50	0.00	0.00	
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	48,517.50	48,517.50	
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	30,859.60	30,859.60	
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	17,945.60	17,945.60	
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	120,704.72	120,704.72	
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	5,889.60	5,889.60	
1403-42G	WP beam FEA modeling	01NOV04A	21	30NOV04A		100	2,944.80	2,944.80	
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	97*	24FEB05	131	90	12,088.08	13,431.20	
1403-40.2Z	Update nonlinear winding pack analysis	01AUG04A	152*	14MAR05	121	80	64,619.18	80,773.97	
1403-42H	calculate EM loads at leads	01FEB05*	11*	15FEB05	138	60	5,300.64	8,834.40	
1403-74	check analysis using simplified models	01OCT04A	90*	15FEB05	138	60	36,264.24	40,293.60	
1403-42D	Fracture fatigue analysis for MCWF	01NOV04A	78*	28FEB05	129	50	5,036.70	10,073.40	
1403-42D.0	Determine Fatigue properties	01NOV04A	69*	15FEB05	138	50	1,678.90	3,357.80	
1403-42F	Perform WP beam tests at ORNL	01NOV04A	68*	14FEB05	139	30	7,950.96	26,503.20	
1403-47A	Update,review & approve FMECA	01FEB05*	34*	18MAR05	117		0.00	5,889.60	
1403-42A	WP beam bending results documentation	01FEB05*	11*	15FEB05	138		0.00	2,944.80	$16,000



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december status
xECP21
Progress Bar
Critical Activity

0501

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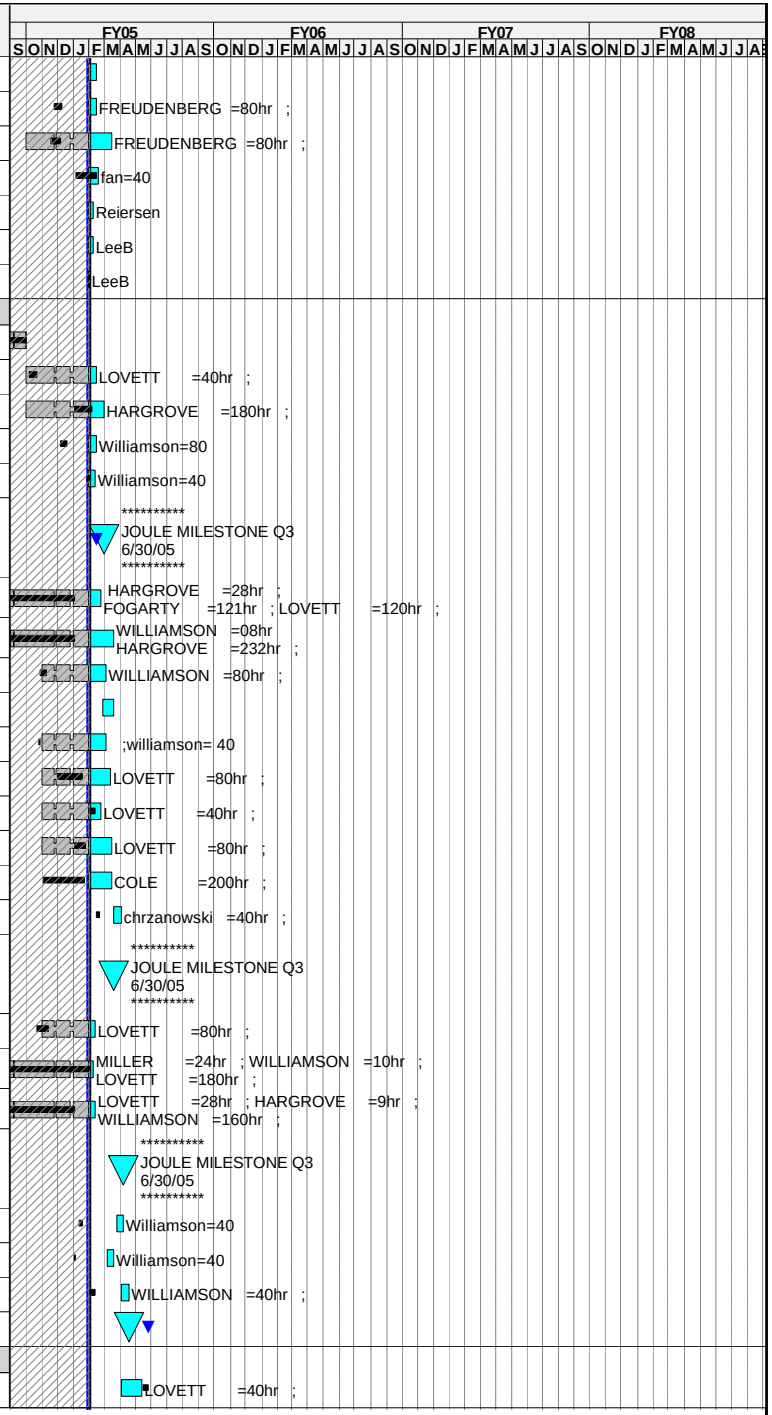
1403-42A1	Document analysis of MCWF eddy currents	01FEB05*	11*	15FEB05	138		0.00	0.00	
1403-73	Prep struct analysis report	01FEB05*	11*	15FEB05	138		0.00	11,779.20	
1403-76	Structural analysis of leads	01OCT04A	112*	17MAR05	118	50	5,889.60	11,779.20	
1403-47C	Perform cool-down/warmup analysis	01FEB05*	14*	18FEB05	135		0.00	6,715.60	
1403-49A	Check geometry basis of tech data spreadsheet	01FEB05	5	07FEB05	144		0.00	0.00	
1403-50A	Check inductance calculation	01FEB05	5	07FEB05	144		0.00	0.00	
1403-99		01FEB05	0	31JAN05	1,187		0.00	0.00	$16,000
Winding and Assembly Design-Type C									
1403-202	G-10 Filler Dwgs (24)-Type C ?????????????	01JAN04A	227*	30SEP04A		100	13,512.45	13,512.45	
1403-219	MCWF studs,modifications-Type C	01OCT04A	89*	14FEB05	139	90	5,300.64	5,889.60	
1403-220	Cladding assembly-Type C	01OCT04A	99*	28FEB05	129	90	23,852.88	26,503.20	
1403-60	Update design basis document	01FEB05*	10	14FEB05	139		0.00	11,779.20	
1403-62	Prepare FDR documentation / presentations	01FEB05*	9*	11FEB05	140		0.00	5,889.60	
1403-20	Mod Coil Type C #1FDR for cladding/studs/wf		0	28FEB05*	129		0.00	0.00	$5,000
1403-201	Leads & crossover Dwgs (10)-Type C	01JAN04A	288*	24FEB05	131	90	32,668.43	36,298.26	
1403-204	Chill Plate Dwgs (66)-Type C	01SEP04A	134*	18MAR05	117	30	10,391.97	34,639.90	
1403-206	Cooling, Electr Schematic Dwgs (1)- Type C	01NOV04A	81*	03MAR05	128	30	3,533.76	11,779.20	
1403-206.1	Cooling tubes/services assy- Type C	28FEB05*	15*	18MAR05	117	30	0.00	0.00	
1403-208	I&C Dwgs (1) -Type C	01NOV04A	81*	03MAR05	128	30	1,766.88	5,889.60	
1403-222	Terminal assembly-Type C	01NOV04A	88*	14MAR05	121	30	3,533.76	11,779.20	
1403-223	Top level coil assembly-Type C	01NOV04A	74*	22FEB05	135	30	1,766.88	5,889.60	
1403-224	VPI mold assembly-Type C	01NOV04A	91*	17MAR05	118	30	3,533.76	11,779.20	
1403-58C	Check and promote models / drawings -Type C	01FEB05*	32*	16MAR05	119		0.00	29,448.00	
1403-20.2	Resolve FDR chits	21MAR05*	11	04APR05	161		0.00	6,715.60	
1403-20A	Mod Coil Type C #2FDR for lead blocks		0	18MAR05*	117		0.00	0.00	$5,000
1403-221	Lead ends & closure-Type C	01NOV04A	67*	11FEB05	140	30	3,533.76	11,779.20	
1403-203	Clamp Dwgs (5)-Type C	01JAN04A	277*	09FEB05	142	70	20,140.49	28,772.13	
1403-200	Winding & Insulation Dwgs (8)-Type C	01JAN04A	279*	11FEB05	140	90	24,701.72	27,446.34	
1403-20B	Mod Coil Type C #3FDR for chill plates & clamp		0	07APR05*	162		0.00	0.00	$14,000
1403-49	Update cost / schedule estimates	25MAR05	10	07APR05	162		0.00	5,889.60	
1403-59	Update build-to specifications	07MAR05*	10*	18MAR05	182		0.00	5,889.60	
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	05APR05	10	18APR05	160		0.00	5,889.60	
1403-20.1	Mod Coil Type C Fab Preparedness Review		0	18APR05*	161		0.00	0.00	
Winding and Assembly Design-Type A									
1403-319	MCWF studs,modifications-Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	



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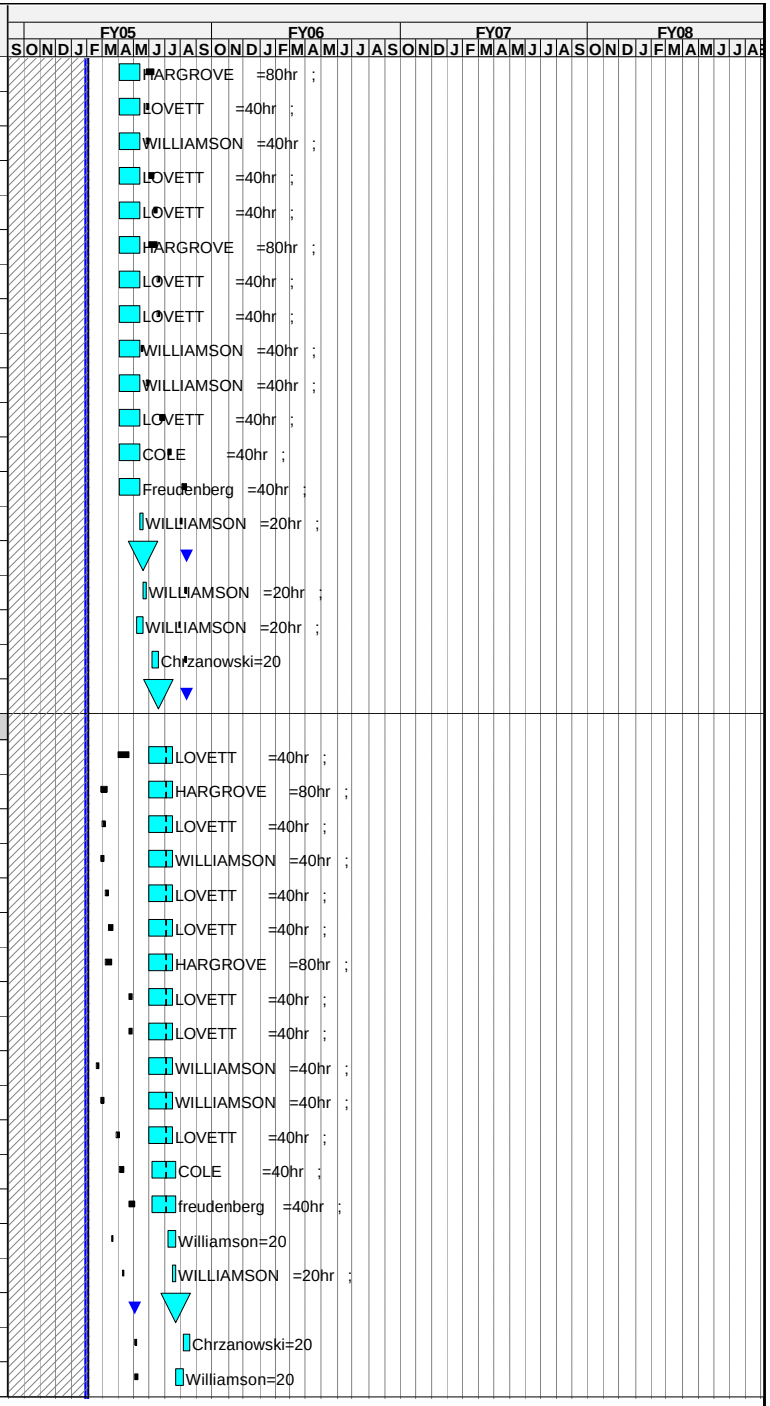
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1403-320	Cladding assembly-Type A	04APR05*	30	13MAY05	123		0.00	11,779.20	
1403-301	Leads & crossover Dwgs (10)-Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-300	Winding pack assy Dwgs (8)-Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-321	Lead ends & closure-Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-322	Terminal assembly-Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-304	Chill Plate Dwgs (66)-Type A	04APR05*	30	13MAY05	123		0.00	11,779.20	
1403-324	VPI mold assembly0-Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-303	Clamp Dwgs (5)-Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-306	Cooling, Electr Schematic Dwgs (1)-Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-308	I&C Dwgs (1) -Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-323	Top level coil assembly-Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-58A	Check and promote models / drawings -Type A	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-904	Update cost/sched estimates&Design Basis doc.	04APR05*	30	13MAY05	123		0.00	5,889.60	
1403-900	Prep FDR Documentation	13MAY05*	5*	19MAY05	119		0.00	2,944.80	
1403-71	FDR Production Type A Mod Coil Winding		0	19MAY05*	119		0.00	0.00	
1403-901	Resolve FDR comments	20MAY05	3	24MAY05	389		0.00	2,944.80	
1403-902	Type A product specification	06MAY05*	10*	19MAY05	392		0.00	2,944.80	
1403-71.05	Update MIT/QA Plans for Type A Winding Fab	06JUN05*	10*	17JUN05	372		0.00	2,944.80	
1403-71.1	Fab Readiness Review - Production Type A		0	17JUN05*	372		0.00	0.00	
Winding and Assembly Design-Type B									
1403-419	MCWF studs,modifications-Type B	01JUN05*	31*	14JUL05	143		0.00	5,889.60	
1403-420	Cladding assembly-Type B	01JUN05*	31	14JUL05	143		0.00	11,779.20	
1403-401	Leads & crossover Dwgs (10)-Type B	01JUN05*	31	14JUL05	143		0.00	5,889.60	
1403-400	Winding pack assy Dwgs (8)-Type B	01JUN05*	31	14JUL05	143		0.00	5,889.60	
1403-421	Lead ends & closure-Type B	01JUN05*	31	14JUL05	143		0.00	5,889.60	
1403-422	Terminal assembly-Type B	01JUN05*	31	14JUL05	143		0.00	5,889.60	
1403-404	Chill Plate Dwgs (66)-TypeB	01JUN05*	31	14JUL05	143		0.00	11,779.20	
1403-424	VPI mold assembly0-Type B	01JUN05*	31	14JUL05	143		0.00	5,889.60	
1403-403	Clamp Dwgs (5)-Type B	01JUN05*	31	14JUL05	143		0.00	5,889.60	
1403-406	Cooling, Electr Schematic Dwgs (1)-Type B	01JUN05*	31	14JUL05	143		0.00	5,889.60	
1403-408	I&C Dwgs (1) -Type B	01JUN05*	31	14JUL05	143		0.00	5,889.60	
1403-423	Top level coil assembly-Type B	01JUN05*	31	14JUL05	143		0.00	5,889.60	
1403-58B	Check and promote models / drawings -Type B	08JUN05*	31*	21JUL05	138		0.00	5,889.60	
1403-80	Update design basis doc & cost sched est	08JUN05*	31*	21JUL05	138		0.00	5,889.60	
1403-72.06	Update build-to spec	08JUL05*	10*	21JUL05	138		0.00	3,357.80	
1403-81	Prepare FDR doc	15JUL05*	5*	21JUL05	138		0.00	2,944.80	
1403-72	Final Design Review Production Type B		0	21JUL05*	138		0.00	0.00	
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	05AUG05*	10*	18AUG05	220		0.00	3,357.80	
1403-72.07	Resolve FDR comments	22JUL05*	10*	04AUG05	230		0.00	3,357.80	



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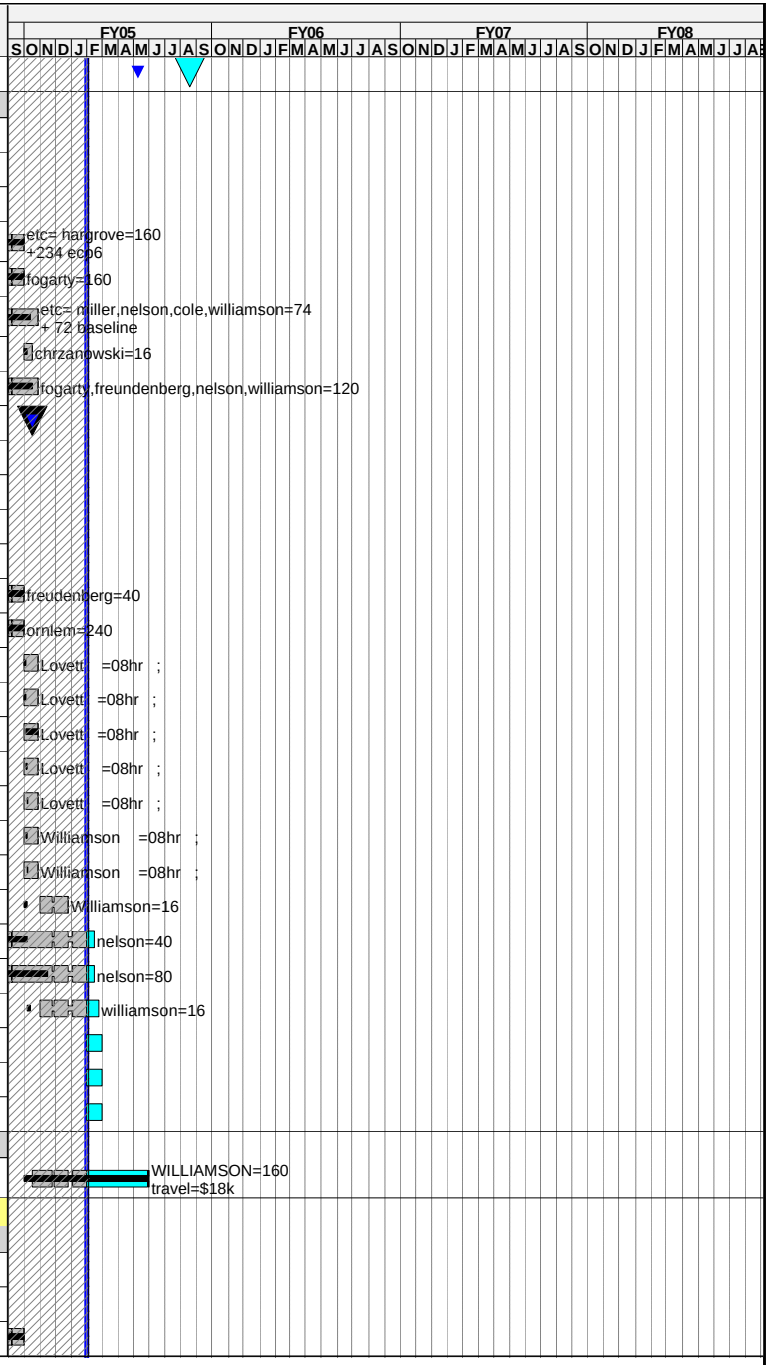
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1403-72.1	Fab Readiness Review - Production Type B		0	18AUG05*	220		0.00	0.00	
Twisted Racetrack Design (Williamson)									
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	22,231.55	22,231.55	
1406-103.0	Prep MIT plan	01OCT04A	0*	15OCT04A		100	2,686.24	2,686.24	
1406-103.1	Prepare for Twisted Racetrack FDR	01SEP04A	42*	29OCT04A		100	16,555.80	16,555.80	
1406-103.2	Twisted Racetrack FDR		0	15OCT04A		100	0.00	0.00	
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	1,177.92	1,177.92	
1406-151	Lead ends & closure	01OCT04A	21*	29OCT04A		100	1,177.92	1,177.92	
1406-152	Terminal Assy	01OCT04A	21*	29OCT04A		100	1,177.92	1,177.92	
1406-153	VPI mold assy	01OCT04A	21*	29OCT04A		100	1,177.92	1,177.92	
1406-154	Clamp assy	01OCT04A	21*	29OCT04A		100	1,177.92	1,177.92	
1406-155	Cooling ,electr schematics	01OCT04A	21*	29OCT04A		100	1,177.92	1,177.92	
1406-156	I&C dwgs	01OCT04A	21*	29OCT04A		100	1,177.92	1,177.92	
1406-157	Build to specification	01NOV04A	67*	23DEC04A		100	2,355.84	2,355.84	
1406-104	Prepare Draft of Coil Test Plan	01OCT03A	338	14FEB05	195	75	4,005.59	5,340.78	
1406-110	Finalize, Approve coil test plan	01DEC03A	297*	14FEB05	195	75	8,051.18	10,734.90	
1406-103.3	Resolve TRC FDR Issues	01NOV04A	75*	24FEB05	1,163	75	1,766.88	2,355.84	
1403-062	Trial winding analysis & shim rqmnts	01FEB05	20	28FEB05	1,161		0.00	0.00	
1403-065	Cooling redesign and analysis	01FEB05	20	28FEB05	1,161		0.00	0.00	
1403-066	Chill plate modifications Dwgs	01FEB05	20	28FEB05	130		0.00	0.00	$51,000
TITLE2TRC	Titel III Design-TRC FAB	15OCT04A	153*	31MAY05	1,096	LOE	24,350.03	54,842.40	
Job:1404-MCWF R&D & 1st Prod Casting-HEITZENROED									
0000									
1404-002	Apr-Sept YTD MIE Cost ORNL	01APR03A	64*	30SEP03A		100	100,220.00	100,220.00	
1404-003	Apr-Sept YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	64,670.00	64,670.00	
1404-ECP16	ecp16	01OCT03A	64*	30SEP04A		100	93,000.00	93,000.00	



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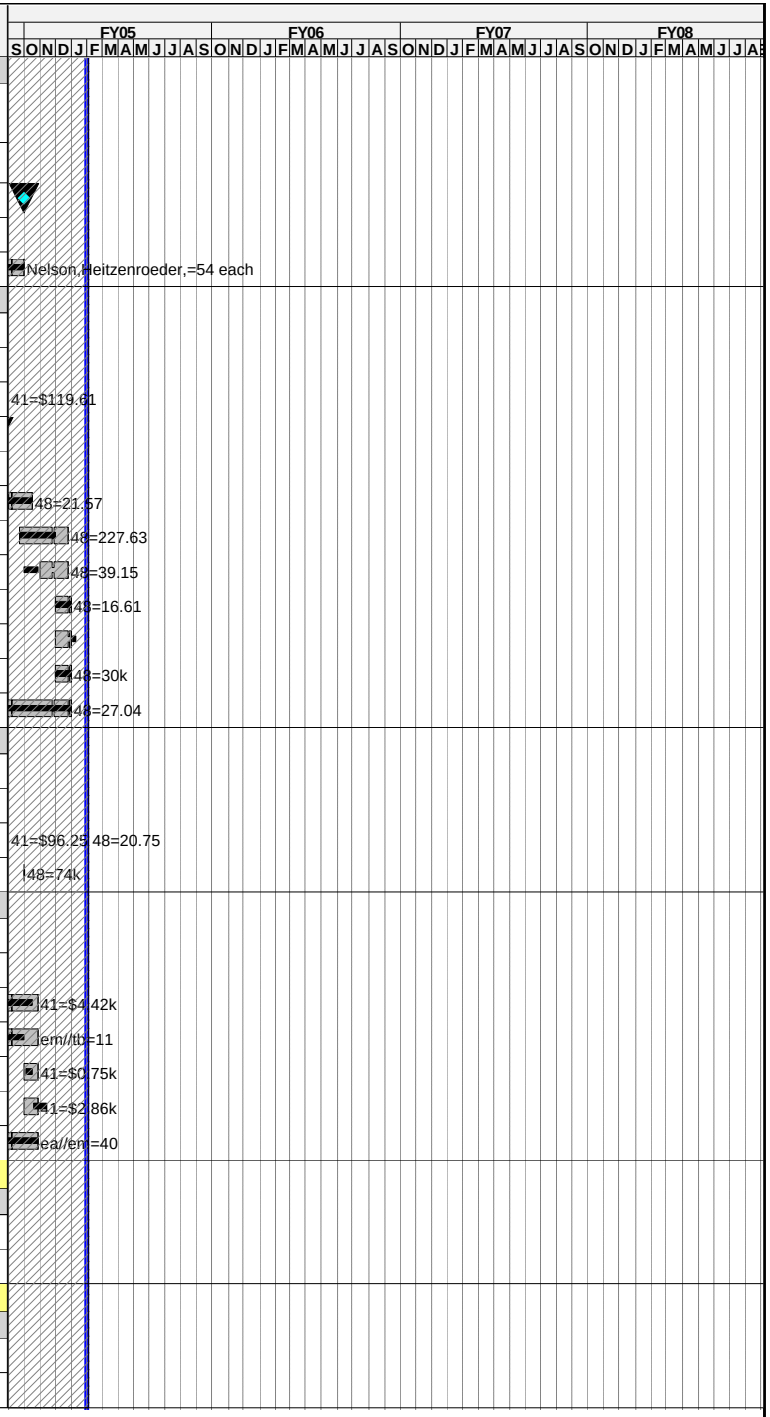
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
Prototype Design Issues									
1404-109.J	JOULE MILESTONE #1-Authorize Prototype Fab		0	20OCT03A		100	0.00	0.00	
1404-110.J	JOULE MILESTONE #3-Prototype Casting Made		0	28MAY04A		100	0.00	0.00	
3000	Issue Type C final drawings to EIO & JPP		0	30SEP04A		100	0.00	0.00	
1404-65	Fabrication oversight by Project	01OCT03A	213*	30JUN04A		100	132,000.00	132,000.00	
1404-66	Proposal evaluation & contract oversight	01AUG04A	43*	30SEP04A		100	15,627.06	15,627.06	
EIO Subcontract (S04341F)									
1404-100	EIO-Cost FY03	01MAY03A	10	30SEP03A		100	307,170.24	307,170.24	
1404-105	EIO-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		100	571,337.28	571,337.28	
1404-106	contract balance ECP 11	01JUL04A	0*	31AUG04A		100	119,610.00	119,610.00	
1404-107	EIO-Suspend Prototype work ECP 11		0	06AUG04A		100	0.00	0.00	
3010	Vendor #1 Contract Amended	09AUG04A	0*	13AUG04A		100	0.00	0.00	
PPC-1	Engr & Flow Solidification	01SEP04A	42*	15OCT04A		100	21,570.00	21,570.00	
PPC-2	Lawton mold Assy	22SEP04A	69*	23DEC04A		100	227,630.00	227,630.00	
PPC-3	Materials	01NOV04A	41*	23DEC04A		100	39,150.00	39,150.00	
PPC-4	Build Pattern & Pour Casting	01DEC04A	0*	31DEC04A		100	16,610.00	16,610.00	
PPC-5	Clean/Inspect Heat treat Casting	01DEC04A	4	31DEC04A		100	0.00	0.00	
PPC-5C	contract resolution setaside	01DEC04A	4*	31DEC04A		100	30,000.00	30,000.00	
PPC-6	Oversight/Reporting	04AUG04A	103*	31DEC04A		100	27,040.00	27,040.00	
JP Pattern Subcontract (S04340F)									
1404-200	JPP- cost FY03	01MAY03A	10	30SEP03A		100	92,170.40	92,170.40	
1404-205	JPP-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		100	417,120.34	417,120.34	
1404-206	JPP- July forecast ECP 11	01JUL04A	0*	31AUG04A		100	143,372.50	143,372.50	
3110	Contract balance	30SEP04A	2*	30SEP04A		100	74,000.00	74,000.00	
MCWF Fracture Analysis									
1404-FR1	Rough machine specimens, Lot 1 (17 pcs.) at PPPL	15JUL04A	10	29JUL04A		100	1,305.60	1,305.60	
1404-FR2	Machine Lot 1 specimens to ASTM spec (Crystal En	02AUG04A	10	20AUG04A		100	1,082.90	1,082.90	
1404-FR3	Test Lot 1 specimens - 17 pcs. At $260	20AUG04A	50*	29OCT04A		100	5,844.57	5,844.57	
1404-FR4	Rough machine Lot 2 (11 specimens) at PPPL	16AUG04A	54*	29OCT04A		100	856.56	856.56	
1404-FR5	Machine Lot 2 specimens to ASTM spec. (Crystal E	01OCT04A	10	29OCT04A		100	1,041.75	1,041.75	
1404-FR6	Test Lot 2 specimens @NHMFL 11 pcs.	01OCT04A	20	29OCT04A		100	3,972.54	3,972.54	
1404-FR7	Engineering coordination	15JUL04A	76*	29OCT04A		100	6,507.47	6,507.47	
Job: 1405-Mod Coil Winding R&D Prep-CHRZANOWSKI									
0000									
1405-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30MAY03A			0.00	0.00	
1405-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30MAY03A			168,070.00	168,070.00	
Job: 1406 - Mod. Coil Winding R&D-CHRZANOWSKI									
Oversight & Supervision									
1406-049	Increased cost of FDR support ECP 11	01OCT03A	20	28MAY04A		100	292,000.00	292,000.00	
1406-000	Supervision & Oversight	01OCT03A	180	28MAY04A		100	106,644.80	106,644.80	



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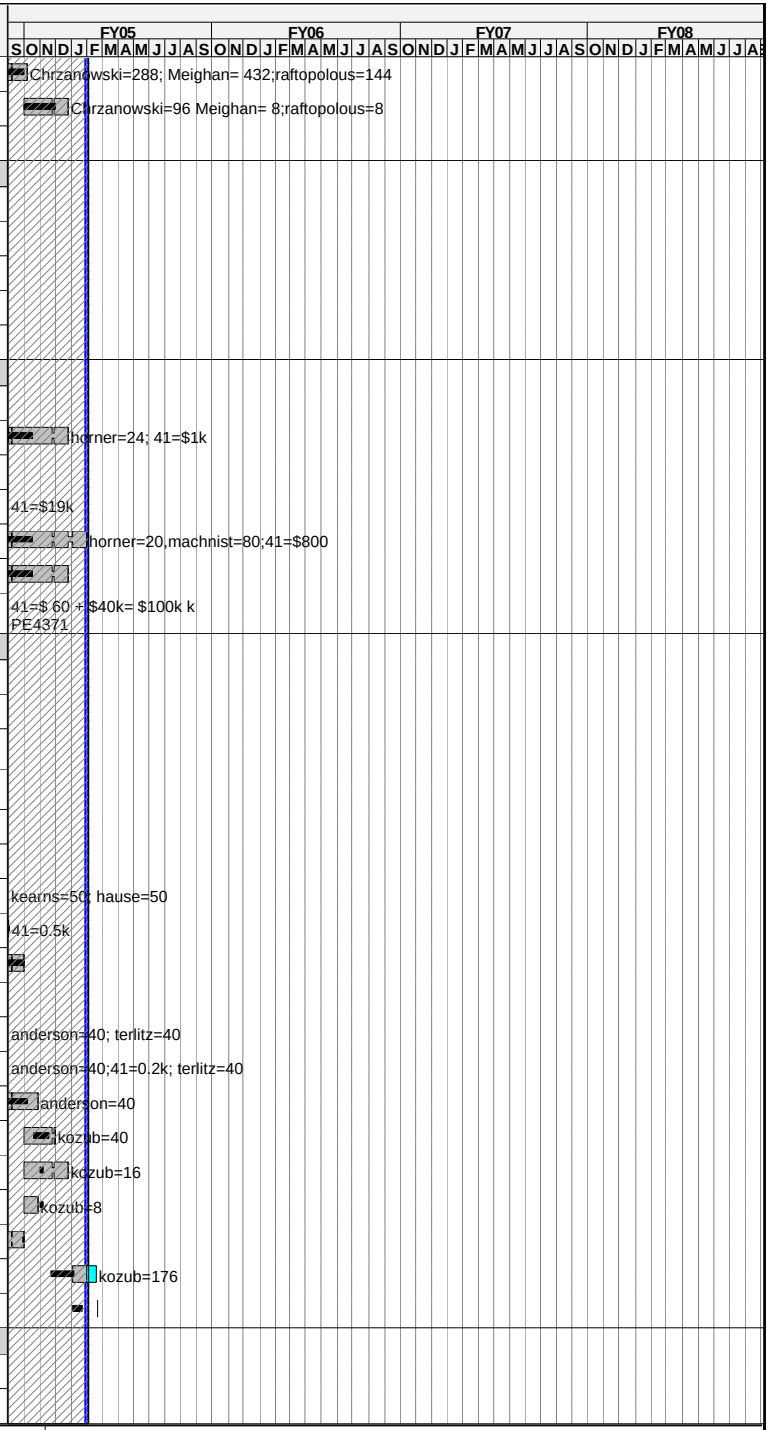
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1406-000.1	Supervision & Oversight	04JUN04A	86*	05OCT04A		100	115,073.70	115,073.70	
1406-000.2	Supervision & Oversight	01OCT04A	58*	23DEC04A		100	39,362.76	39,362.76	
1406-048	Testing & Strain Gauge Design	01OCT03A	20	31OCT03A		100	24,253.50	24,253.50	
Keystone R&D									
1406-001	Purchase 10 spools conductor (twisted racetrack)	03NOV03A	40*	23DEC03A		100	7,644.00	7,644.00	
1406-003	Purchase 8 spools conductor (long twisted windin	03NOV03A	40*	23DEC03A		100	7,644.00	7,644.00	
1406-005	Purchase epoxy & Insulation	03NOV03A	163*	30JUN04A		100	5,516.42	5,516.42	
1406-010	Keystone Test for New Conductor	02JAN04A	41*	27FEB04A		100	6,144.00	6,144.00	
1406-011	Purchase add'l copper Conductor	01MAR04A	45*	30APR04A		100	8,918.00	8,918.00	
Twisted Racetrack Hardware Fabrication (Chrzano									
1406-014	Bid, Evaluate and Award Casting to EIO or JPP	01DEC03A	28	23DEC03A		100	0.00	0.00	
1406-016.5	PPPL Fabricate TRC Cladding	01SEP04A	79*	23DEC04A		100	3,250.09	3,250.09	
1406-016.8	order trc clamps	29JUN04A	1	29JUN04A		100	0.00	0.00	
1406-016.9	fab trc clamps	02AUG04A	37	31AUG04A		100	24,206.00	24,206.00	
1406-016.A	fab trc lead components	01AUG04A	121*	31JAN05A		100	11,256.52	11,256.52	
1406-016.B	write procedures, doc mit/qa plan	09JUN04A	138*	23DEC04A		100	0.00	0.00	
1406-016	Procure casting from EIO (new scope)	02FEB04A	150*	31AUG04A		100	127,387.26	127,387.26	
Testing									
1406-029	Fab New Specimen Molds	01DEC03A	107*	30APR04A		100	22,992.00	22,992.00	
1406-029.1	Design samples	01MAR04A	15	31MAR04A		100	0.00	0.00	
1406-030	Fab & Pot samples	26JAN04A	108*	28MAY04A		100	31,334.40	31,334.40	
1406-031	Prep fixtures and test equipt	03NOV03A	141	28MAY04A		100	69,234.00	69,234.00	
1406-032	Test samples	01MAR04A	65	28MAY04A		100	51,225.60	51,225.60	
1406-50	Fab Straight Tee Specimen	21JUN04A	14*	30JUN04A		100	17,203.20	17,203.20	
1406-51	VPI Tee specimen	12JUL04A	37*	31AUG04A		100	7,680.00	7,680.00	
1406-52	Ship Tee specimen to ORNL	31AUG04A	5	31AUG04A		100	637.00	637.00	
1406-54	Complete shear modulus & cyclic testing	01JUN04A	125*	30SEP04A		100	32,277.70	32,277.70	
1406-55	Fab chill plate specimens	01JUN04A	24	30JUN04A		100	12,925.00	12,925.00	
1406-56	test chill plate specimens	01AUG04A	0*	31AUG04A		100	6,144.00	6,144.00	
1406-57	fab cooling tube/chill plate assy	01AUG04A	5	31AUG04A		100	6,398.80	6,398.80	
1406-58	fab MC lead braze specimens	01AUG04A	5	29OCT04A		100	3,108.09	3,108.09	
1406-100	Single conductor torsion test	01OCT04A	41*	30NOV04A		100	6,699.60	6,699.60	
1406-200	Transverse compression at LN2	01OCT04A	58*	23DEC04A		100	2,679.84	2,679.84	
1406-210	Dogbone test @RT	01OCT04A	5	29OCT04A		100	1,339.92	1,339.92	
1406-299	Closeout cost for testing ECP-21	01OCT03A	25	30SEP04A		100	239,000.00	239,000.00	
1406-215	4 turn racetrack fatigue tests	01JAN05A	34*	18FEB05	134	50	14,739.12	29,478.24	
1406-033	Prepare Test report	21FEB05	1	21FEB05	134		0.00	0.00	
"inchworm" Twisted Winding									
1406-119	Join straight sections w/2 end loops	01OCT03A	79*	30JAN04A		100	31,590.00	31,590.00	
1406-120	Wind Conductor	30JAN04A	86*	28MAY04A		100	18,432.00	18,432.00	



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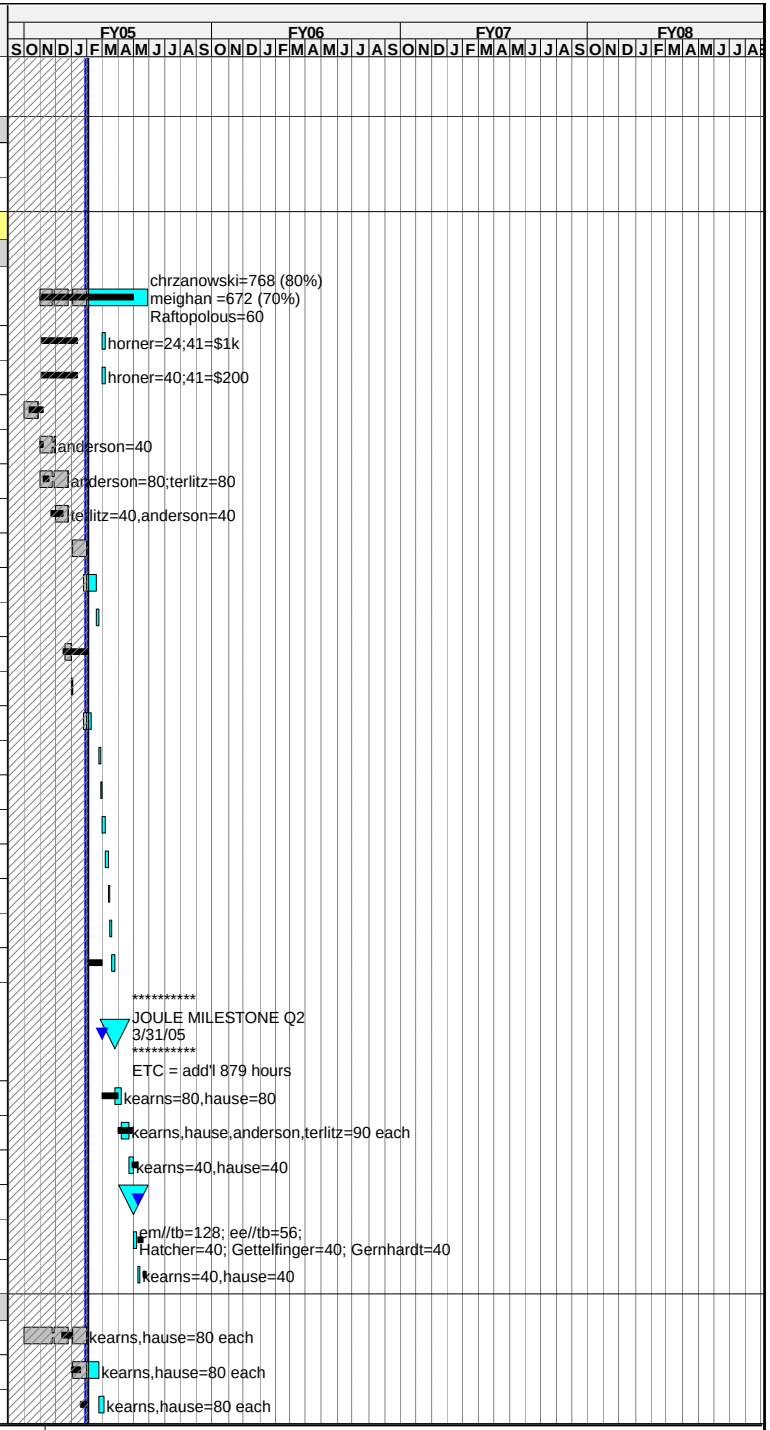
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	30JAN04A	0			100	0.00	0.00	
0000									
1406-0002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30SEP03A		100	0.00	0.00	
1406-0003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	831,120.00	831,120.00	
Job: 1410 MC Twisted Racetrack Fabr-CHRZANOWSKI									
Twisted Racetrack Hardware Fabrication (Chrzano									
1406-016.0	Oversight & Supervision	01NOV04A	20	27MAY05	1,097	LOE	64,918.94	212,153.40	
1406-016.6	PPPL Fabricate TRC Chill plates	01MAR05	5	07MAR05	130		0.00	2,950.95	
1406-016.7	PPPL Fabricate TRC Tubing	01MAR05	5	07MAR05	130		0.00	3,459.80	
1406-016.1	Inspect & Measure Casting	01OCT04A	20	29OCT04A		100	0.00	0.00	
1406-016.2	Install Studs	01NOV04A	5	30NOV04A		100	3,182.00	3,182.00	
1406-106.3	Winding Trials (wo/ cladding)	01NOV04A	37*	23DEC04A		100	12,728.00	12,728.00	
1406-017	Instl cladding(station 2) Side A	01DEC04A	23*	23DEC04A		100	6,364.00	6,364.00	
1406-017B	Instl cladding(station 2) Side B	03JAN05A	3*	31JAN05A		100	6,364.00	6,364.00	
1403-017.D	Wind layer #1 9 turns Side b	24JAN05A	23*	18FEB05	145	67	2,771.52	4,136.60	
1403-017.E	Position & Prep 2nd coil lead set Side b	19FEB05	5	24FEB05	145		0.00	2,545.60	
1406-017.1	Instl grnd wrap Side b	20DEC04A	37*	31DEC04A		100	10,341.50	10,341.50	
1406-017.C	Position & prep 1st coil lead set Side b	01JAN05A	5	03JAN05A		100	2,545.60	2,545.60	
1406-017.F	Position Ground wrap onto winding form Side a	24JAN05A	8	09FEB05	158	50	1,909.20	3,818.40	
1406-017.G	Reposition Coil Side a	25FEB05	1	25FEB05	145		0.00	1,272.80	
1406-017.H	Position & prep 1st coil lead set Side a	26FEB05	4	02MAR05	145		0.00	1,591.00	
1406-017.J	Wind layer #1 9 turns Side a (2 shift)	03MAR05	5	08MAR05	145		0.00	2,386.50	
1406-017.K	Position & Prep 2nd coil lead set Side a	09MAR05	4	12MAR05	145		0.00	1,591.00	
1406-017.L	Complete Groundwrap InstallationSide a	14MAR05	4	17MAR05	145		0.00	1,591.00	
1406-017.M	Install Outer Diagnostic Loops	18MAR05	2	19MAR05	145		0.00	1,272.80	
1406-017.2	Instl chill plates&tubing(station 2)1 shift 4m	21MAR05	5	25MAR05	145		0.00	11,455.20	
1406-017.3	Cmplt Assy of twisted racetrack (Joule milestone		0	25MAR05	1,390		0.00	0.00	$69,924
1406-018	Pre-VPI Press test &Apply bag mold (station 4)	26MAR05	11	07APR05	169		0.00	12,728.00	
1406-019	VPI TRC in autoclave	08APR05	12	21APR05	169		0.00	28,638.00	
1406-019.1	Instl permanent clamps	22APR05	8	30APR05	169		0.00	12,728.00	
1406-020	Begin Testing of Twisted RT in Coil test Stand	02MAY05	0		142		0.00	0.00	
1406-021	Test Coil	02MAY05	5	06MAY05	141		0.00	32,284.72	
1406-023	Dissect Coil	09MAY05	5	13MAY05	141		0.00	6,364.00	
Straight Tee Specimen									
1406-ST1	Fab Straight Tee Specimen	01OCT04A	78*	31JAN05A		100	12,728.00	12,728.00	
1406-ST2	Straight Tee VPI Prep	01JAN05A	38*	24FEB05	165	50	6,364.00	12,728.00	
1406-ST3	VPI Tee Specimen	25FEB05	5	03MAR05	165		0.00	12,728.00	



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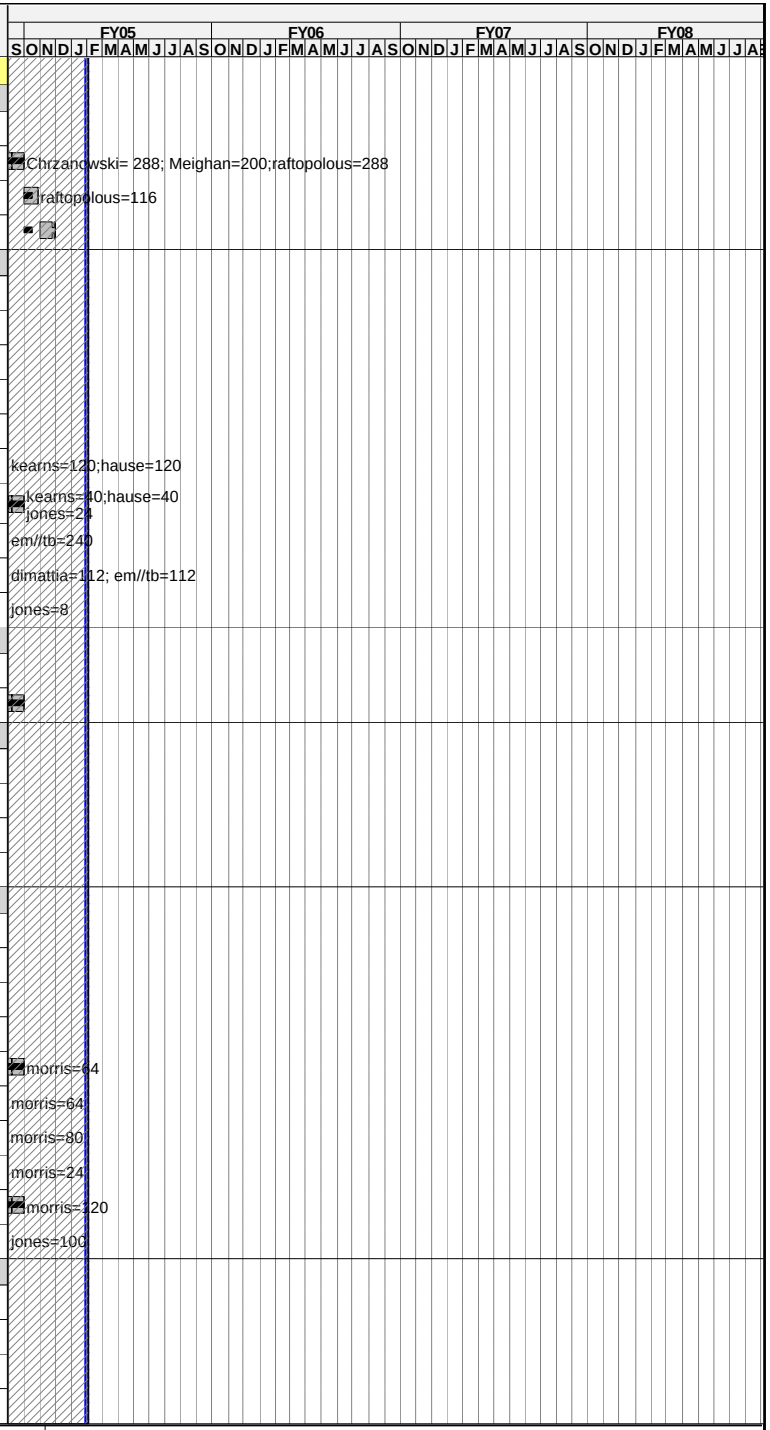
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
Job: 1407 -Mod Coil Winding Facility-CHRZANOWSKI									
Oversight and Supervision									
1407-002	Winding Facility, Tooling, Materials Oversight	01OCT03A	186*	28MAY04A		100	170,204.20	170,204.20	
1407.002.2	Winding Facility, Tooling, Materials Oversight	01JUN04A	86*	30SEP04A		100	113,623.20	113,623.20	
1407.002.3	Winding Facility, Tooling, Materials Oversight	01OCT04A	0*	29OCT04A		100	19,475.24	19,475.24	
1407-002.1	Prep Winding Facility Ops Plan(reqd for TRT FRR)	01NOV04A	10	30NOV04A		100	0.00	0.00	
Autoclave									
1407-005	Domes & cylinder Fab & Deliver (PE4226)	01DEC03A	18	23DEC03A		100	20,167.42	20,167.42	
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	31OCT03A	18	31OCT03A		100	509.60	509.60	
1407-008	Remaining Autoclave components-Deliver	01OCT03A	49	31MAR04A		100	11,466.00	11,466.00	
1407-011	Fabricate Autoclave	01OCT03A	128*	31MAR04A		100	163,036.80	163,036.80	
1407-011.1	Autoclave assembly	01JUL04A	26*	06AUG04A		100	18,432.00	18,432.00	
1407-011.2	Rebuild vacuum pumps (2)	01AUG04A	15	31AUG04A		100	18,432.00	18,432.00	
1407-012	Autoclave PTP	01SEP04A	5	30SEP04A		100	8,668.80	8,668.80	
1407.011.3	Fab & Install vacuum lines	01AUG04A	15	31AUG04A		100	18,432.00	18,432.00	
1407.011.4	Instl insulation on autoclave	02AUG04A	14	31AUG04A		100	17,203.20	17,203.20	
1407.011.5	Write autoclave PTP	01JUN04A	9	31AUG04A		100	841.60	841.60	
0000									
1407-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	267,550.00	267,550.00	
1407-ECP16	ecp16	01OCT03A	64*	30SEP04A		100	507,000.00	507,000.00	
Area Preparation									
1407-200	Decon TFTR test Cell Crane	26NOV03A	20	26NOV03A		N/R	18,432.00	18,432.00	
1407-202	Setup facility stations	01MAR04A	118*	28MAY04A		100	29,161.80	29,161.80	
1407-204	Build cleanrooms (2) locations	02FEB04A	128*	28MAY04A		100	92,352.50	92,352.50	
1407-204.2	Build cleanroom (1 add'l) **2nd line**	02FEB04A	171*	28MAY04A		100	32,595.00	32,595.00	
Design Activities									
1407-003	Winding Facility, Tooling, Design	01OCT03A	207*	28MAY04A		100	115,614.80	115,614.80	
1407-003.1	Facility Drawings	01JUN04A	14*	18JUN04A		100	10,520.00	10,520.00	
1407-003.2	Final Drawings for winding clamps	21JUN04A	10*	30JUN04A		100	8,416.00	8,416.00	
1407-003.3	Final Drawings -type C casting supports	12JUL04A	5*	16JUL04A		100	4,208.00	4,208.00	
1407-003.4	Final Drawings -casting to ring fixture	02AUG04A	43*	30SEP04A		100	6,732.80	6,732.80	
1407-003.5	Final Drawings -Type A casting supports	29JUL04A	24*	31AUG04A		100	6,732.80	6,732.80	
1407-003.6	Final Drawings -Type B casting supports	10AUG04A	11*	24AUG04A		100	8,416.00	8,416.00	
1407-003.7	Final Drawings -casting stud fixture	01AUG04A	0*	31AUG04A		100	2,524.80	2,524.80	
1407-003.8	Misc Drawings (ecn's etc)	01AUG04A	54*	30SEP04A		100	12,624.00	12,624.00	
1407-003.9	Electrical design support/oversight	01JUN04A	86*	31AUG04A		100	10,520.00	10,520.00	
Remaining fixtures & tooling									
1407-100	Fabricate turning fixtures and coil supports	01DEC03A	166*	28MAY04A		100	245,050.00	245,050.00	
1407-100.2	Fabr turning fixt&coil supports **2nd line**	02FEB04A	128*	28MAY04A		100	131,313.00	131,313.00	
1407-110	Fabricate Winding clamp sets (125)	01MAY04A	40	28MAY04A		100	40,488.00	40,488.00	
1407-115	Fabricate Conductor payout spool system	01MAR04A	119*	28MAY04A		100	94,258.40	94,258.40	



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december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

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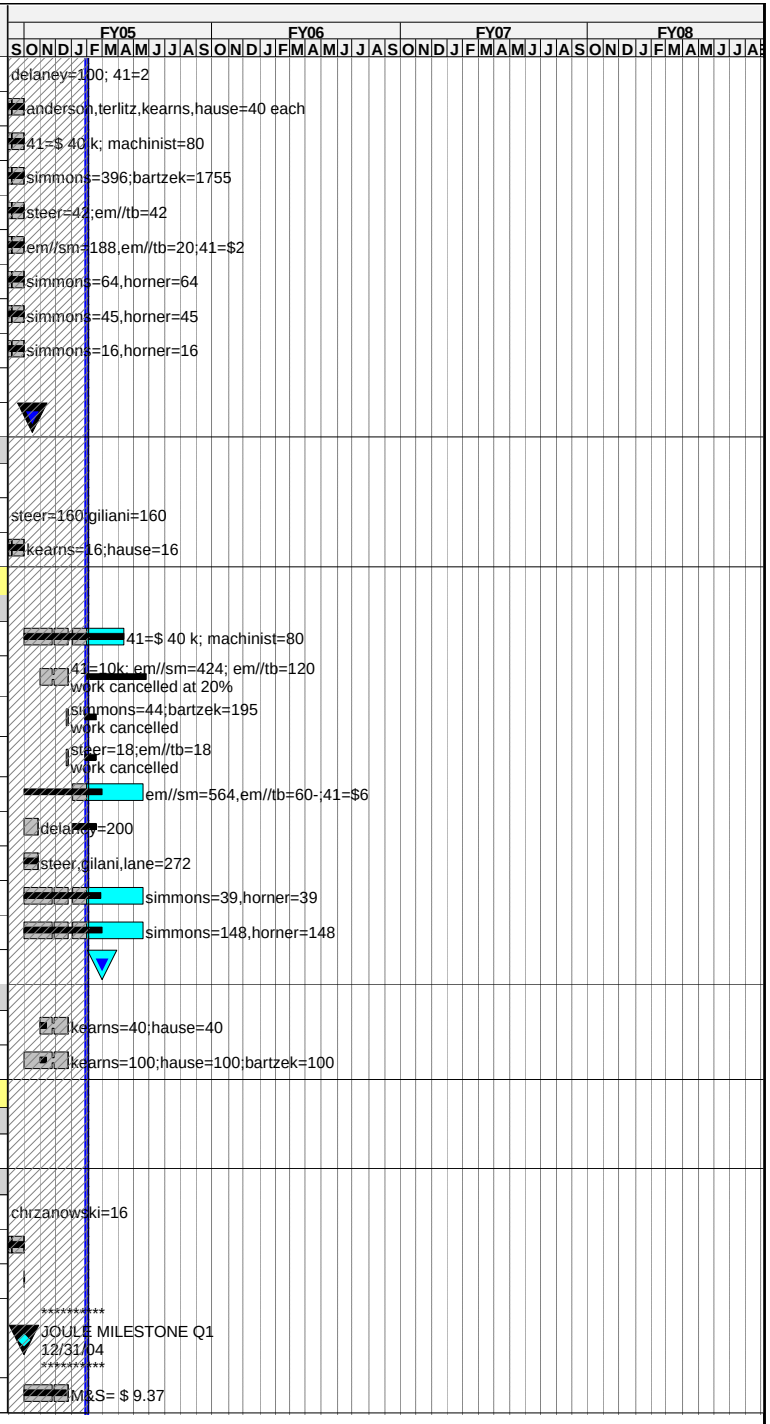
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	01JUN04A	65*	31AUG04A		100	13,078.00	13,078.00	
1407-128	Setup facility stations 2&5	01JUN04A	86*	30SEP04A		100	12,288.00	12,288.00	
1407-130	Misc tools & equipt FY04	02FEB04A	171*	30SEP04A		100	29,692.00	29,692.00	
1407-100.3	Fab & Instl Turning Fixt 2,3&4	01JUN04A	107*	30SEP04A		100	176,482.80	176,482.80	
1407-100.4	Electr hookup turning fixtures 2,3&4	01AUG04A	64*	30SEP04A		100	7,648.20	7,648.20	
1407-110.2	Compl Fabr Winding clamp sets (100 of 400)	12JUL04A	58*	30SEP04A		100	23,880.40	23,880.40	
1407-125	Fab Type C casting supports (6) sets	02AUG04A	15	30SEP04A		100	9,830.40	9,830.40	
1407-126	Fab Type A casting supports (6) sets	02AUG04A	65*	30SEP04A		100	6,912.00	6,912.00	
1407-127	Fab Type B casting supports (6) sets	02AUG04A	65*	30SEP04A		100	2,457.60	2,457.60	
1407-135	construct cleanroom mech and electrical	01JUN04A	22*	30JUN04A		100	24,576.00	24,576.00	
1407-199	Winding Facility ACC Rvw stations 2&5		0	15OCT04A		100	0.00	0.00	
VPI Preparations									
1407-105	Anchor VPI platforms	01JUN04A	4*	30JUN04A		100	6,144.00	6,144.00	
1407-106	Instl electric to VPI platforms & cntrl panel	01AUG04A	0*	31AUG04A		100	24,576.00	24,576.00	
1407-108	Mount mixing tanks onto VPI platforms	01SEP04A	2	30SEP04A		100	2,457.60	2,457.60	
Job: 1412 - Complete Winding Facilities-CHRZANOW									
Remaining fixtures & tooling									
1407-130.1	Misc tools & equipt FY05	01OCT04A	130*	13APR05	1,129	50	16,066.80	32,133.60	
1408-999	3rd winding line conductor payout sys	01NOV04A	144*	23DEC04A		100	69,584.16	69,584.16	
1407-100.5	Complete Fab & Instl Turning Fixt 4	23DEC04A	15	23DEC04A		100	20,301.21	20,301.21	
1407-100.6	Complete Electr hookup turning fixtures 4	23DEC04A	15	23DEC04A		100	3,391.02	3,391.02	
1407-110.3	Compl Fabr Winding clamp sets (300 of 400)	01JAN05A	97*	18MAY05	1,104	95	70,768.12	74,492.76	
1407-124	Fab casting to ring assy fixture station 1	01OCT04A	34	29OCT04A		100	21,768.00	21,768.00	
1407-124.5	Electrical Installations	01OCT04A	0*	29OCT04A		100	21,637.60	21,637.60	
1407-126.1	Complete Fab Type A casting supports (6) sets	01OCT04A	98	18MAY05	186	95	5,894.66	6,204.90	
1407-127.1	Complete Fab Type B casting supports (6) sets	01OCT04A	98	18MAY05	248	80	18,837.44	23,546.80	
1412-199	Complete Winding Facility ACC Review		0	28FEB05*	183		0.00	0.00	
VPI Preparations									
1407-107	Perform epoxy mixing trials with delivery sys	01NOV04A	37*	23DEC04A		100	6,364.00	6,364.00	
1407-109	Fab & assemble VPI delivery sys	01OCT04A	58*	23DEC04A		100	23,865.00	23,865.00	
Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI									
0000									
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	2,571.20	2,571.20	
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	13,014.93	13,014.93	



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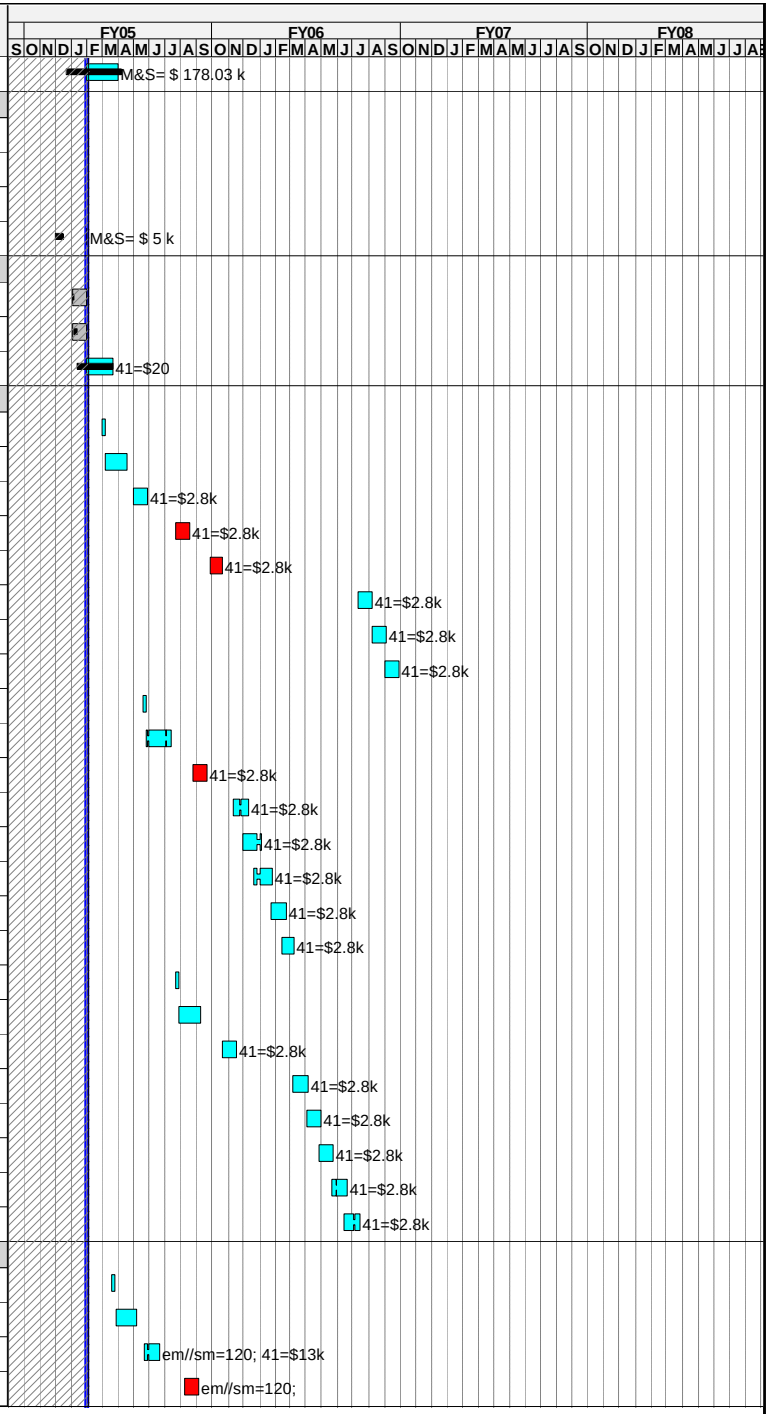
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1408-145	Copper Conductor -Delivery #2 PE005371	01FEB05	44*	01APR05	317		0.00	247,283.67	
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	
1408-104	Insulation-Evaluate Bids & Award	23AUG04A	5	31AUG04A		100	0.00	0.00	
1408-107	Insulation-Delivery for Production	31JAN05A	11	31JAN05A		100	6,945.00	6,945.00	
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*	22MAR05	180	50	13,890.00	27,780.00	
Cladding									
1408-501	Submet Requisition for Type C Cladding	01MAR05	5	07MAR05	129		0.00	0.00	
1408-503	Bid and Award Type C Cladding	08MAR05	30	18APR05	129		0.00	0.00	
1408-505	Fabr Cladding Type C for Coil c1	02MAY05	20	27MAY05	120		0.00	3,889.20	
1408-507	Fabr Cladding Type C for Coil c2	21JUL05	20	17AUG05	92		0.00	3,889.20	
1408-509	Fabr Cladding Type C for Coil c3	26SEP05	20	21OCT05	99		0.00	3,681.30	
1408-511	Fabr Cladding Type C for Coil c4	12JUL06	20	08AUG06	109		0.00	3,612.00	
1408-513	Fabr Cladding Type C for Coil c5	08AUG06	20	04SEP06	110		0.00	3,612.00	
1408-515	Fabr Cladding Type C for Coil c6	31AUG06	20	27SEP06	105		0.00	3,612.00	
1408-517	Submet Requisition for Type A Cladding	20MAY05	5	26MAY05	119		0.00	0.00	
1408-519	Bid and Award Type A Cladding	27MAY05	30	11JUL05	119		0.00	0.00	
1408-521	Fabr Cladding Type A for Coil a1	24AUG05	20	20SEP05	88		0.00	3,889.20	
1408-523	Fabr Cladding Type A for Coil a2	11NOV05	20	12DEC05	105		0.00	3,612.00	
1408-525	Fabr Cladding Type A for Coil a3	01DEC05	20	05JAN06	116		0.00	3,612.00	
1408-527	Fabr Cladding Type A for Coil a4	21DEC05	20	25JAN06	130		0.00	3,612.00	
1408-529	Fabr Cladding Type A for Coil a5	24JAN06	20	20FEB06	124		0.00	3,612.00	
1408-531	Fabr Cladding Type A for Coil a6	13FEB06	20	10MAR06	139		0.00	3,612.00	
1408-533	Submet Requisition for Type B Cladding	22JUL05	5	28JUL05	138		0.00	0.00	
1408-535	Bid and Award Type B Cladding	29JUL05	30	08SEP05	138		0.00	0.00	
1408-537	Fabr Cladding Type B for Coil b1	20OCT05	20	16NOV05	109		0.00	3,612.00	
1408-539	Fabr Cladding Type B for Coil b2	08MAR06	20	04APR06	134		0.00	3,612.00	
1408-541	Fabr Cladding Type B for Coil b3	03APR06	20	28APR06	128		0.00	3,612.00	
1408-543	Fabr Cladding Type B for Coil b4	27APR06	20	24MAY06	124		0.00	3,612.00	
1408-545	Fabr Cladding Type B for Coil b5	22MAY06	20	19JUN06	119		0.00	3,612.00	
1408-547	Fabr Cladding Type B for Coil b6	15JUN06	20	13JUL06	114		0.00	3,612.00	
Lead hardware									
1408-701	Submet Requisition for Type C Lead HW	21MAR05	5	25MAR05	127		0.00	0.00	
1408-703	Bid and Award Type C Lead HW	28MAR05	30	06MAY05	127		0.00	0.00	
1408-705	Fabr Lead HW Type C for Coil c1	23MAY05	20	20JUN05	117		0.00	31,117.80	
1408-707	Fabr Lead HW Type C for Coil c2	09AUG05	20	05SEP05	91		0.00	13,060.80	



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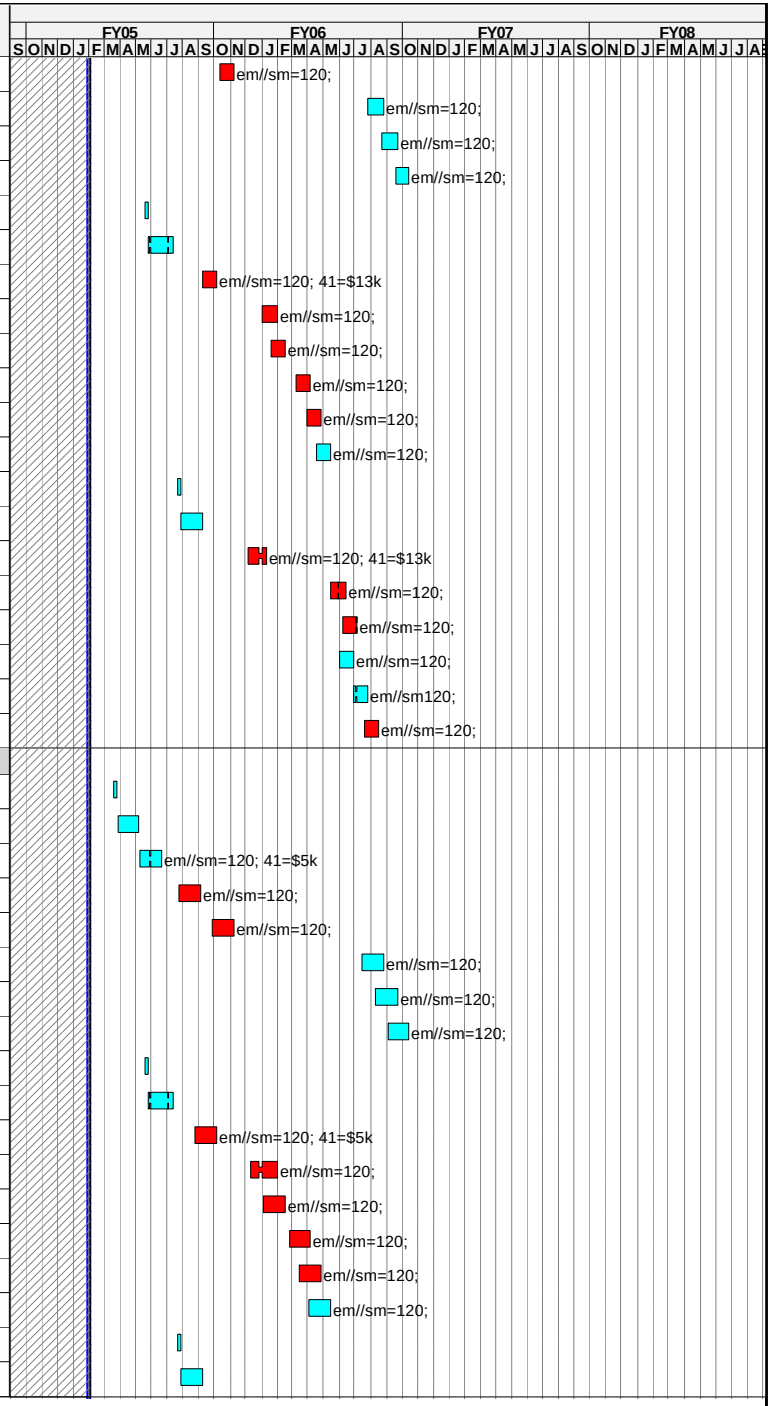
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1408-709	Fabr Lead HW Type C for Coil c3	12OCT05	20	08NOV05	99		0.00	13,320.00	
1408-711	Fabr Lead HW Type C for Coil c4	28JUL06	20	24AUG06	109		0.00	13,320.00	
1408-713	Fabr Lead HW Type C for Coil c5	24AUG06	20	20SEP06	112		0.00	13,320.00	
1408-715	Fabr Lead HW Type C for Coil c6	18SEP06	20	13OCT06	105		0.00	13,653.00	
1408-717	Submet Requisition for Type A Lead HW	20MAY05	5	26MAY05	131		0.00	0.00	
1408-719	Bid and Award Type A Lead HW	27MAY05	30	11JUL05	131		0.00	0.00	
1408-721	Fabr Lead HW Type A for Coil a1	09SEP05	20	06OCT05	88		0.00	30,912.24	
1408-723	Fabr Lead HW Type A for Coil a2	03JAN06	20	30JAN06	88		0.00	13,320.00	
1408-725	Fabr Lead HW Type A for Coil a3	19JAN06	20	15FEB06	99		0.00	13,320.00	
1408-727	Fabr Lead HW Type A for Coil a4	10MAR06	20	06APR06	91		0.00	13,320.00	
1408-729	Fabr Lead HW Type A for Coil a5	31MAR06	20	27APR06	88		0.00	13,320.00	
1408-731	Fabr Lead HW Type A for Coil a6	18APR06	20	15MAY06	105		0.00	13,320.00	
1408-733	Submet Requisition for Type B Lead HW	22JUL05	5	28JUL05	150		0.00	0.00	
1408-735	Bid and Award Type B Lead HW	29JUL05	30	08SEP05	150		0.00	0.00	
1408-737	Fabr Lead HW Type B for Coil b1	05DEC05	20	09JAN06	91		0.00	30,090.00	
1408-739	Fabr Lead HW Type B for Coil b2	16MAY06	20	13JUN06	97		0.00	13,320.00	
1408-741	Fabr Lead HW Type B for Coil b3	07JUN06	20	05JUL06	94		0.00	13,320.00	
1408-743	Fabr Lead HW Type B for Coil b4	01JUN06	20	28JUN06	114		0.00	13,320.00	
1408-745	Fabr Lead HW Type B for Coil b5	29JUN06	20	27JUL06	105		0.00	13,320.00	
1408-747	Fabr Lead HW Type B for Coil b6	21JUL06	20	17AUG06	101		0.00	13,320.00	
G-11 Filler									
1408-801	Submet Requisition for Type C G-11	21MAR05	5	25MAR05	117		0.00	0.00	
1408-803	Bid and Award Type C G-11	28MAR05	30	06MAY05	117		0.00	0.00	
1408-805	Fabr G-11 Type C for Coil c1	09MAY05	30	20JUN05	117		0.00	20,005.80	
1408-807	Fabr G-11 Type C for Coil c2	26JUL05	30	05SEP05	91		0.00	13,060.80	
1408-809	Fabr G-11 Type C for Coil c3	28SEP05	30	08NOV05	99		0.00	13,294.08	
1408-811	Fabr G-11 Type C for Coil c4	14JUL06	30	24AUG06	109		0.00	13,320.00	
1408-813	Fabr G-11 Type C for Coil c5	10AUG06	30	20SEP06	112		0.00	13,320.00	
1408-815	Fabr G-11 Type C for Coil c6	04SEP06	30	13OCT06	105		0.00	13,542.00	
1408-817	Submet Requisition for Type A G-11	20MAY05	5	26MAY05	121		0.00	0.00	
1408-819	Bid and Award Type A G-11	27MAY05	30	11JUL05	121		0.00	0.00	
1408-821	Fabr G-11 Type A for Coil a1	26AUG05	30	06OCT05	88		0.00	16,450.12	
1408-823	Fabr G-11 Type A for Coil a2	12DEC05	30	30JAN06	88		0.00	13,320.00	
1408-825	Fabr G-11 Type A for Coil a3	05JAN06	30	15FEB06	99		0.00	13,320.00	
1408-827	Fabr G-11 Type A for Coil a4	24FEB06	30	06APR06	91		0.00	13,320.00	
1408-829	Fabr G-11 Type A for Coil a5	17MAR06	30	27APR06	88		0.00	13,320.00	
1408-831	Fabr G-11 Type A for Coil a6	04APR06	30	15MAY06	105		0.00	13,320.00	
1408-833	Submet Requisition for Type B G-11	22JUL05	5	28JUL05	140		0.00	0.00	
1408-835	Bid and Award Type B G-11	29JUL05	30	08SEP05	140		0.00	0.00	



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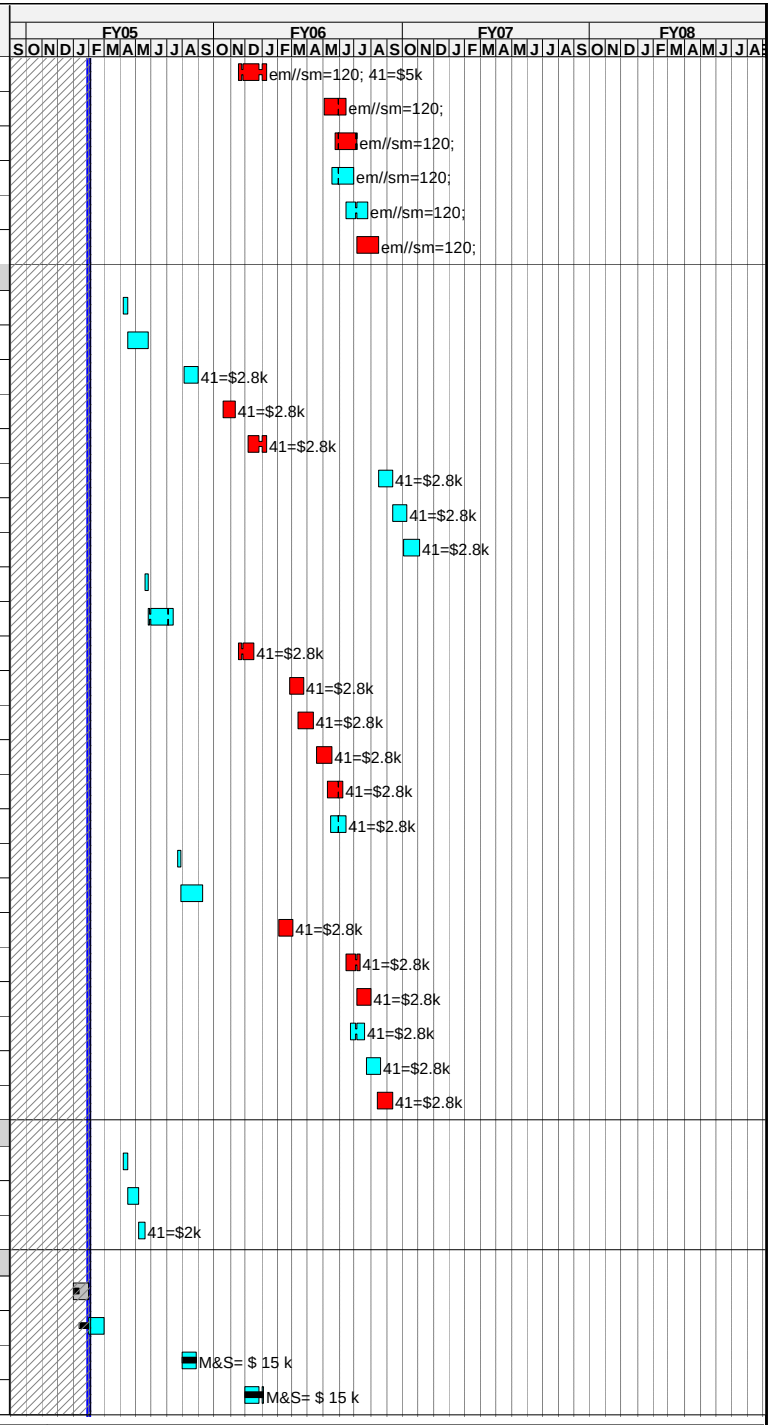
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1408-837	Fabr G-11 Type B for Coil b1	17NOV05	30	09JAN06	91		0.00	16,184.40	
1408-839	Fabr G-11 Type B for Coil b2	02MAY06	30	13JUN06	97		0.00	13,320.00	
1408-841	Fabr G-11 Type B for Coil b3	23MAY06	30	05JUL06	94		0.00	13,320.00	
1408-843	Fabr G-11 Type B for Coil b4	17MAY06	30	28JUN06	114		0.00	13,320.00	
1408-845	Fabr G-11 Type B for Coil b5	15JUN06	30	27JUL06	105		0.00	13,320.00	
1408-847	Fabr G-11 Type B for Coil b6	07JUL06	30	17AUG06	101		0.00	13,320.00	
Chill Plates									
1408-601	Submet Requisition for Type C Chill Plts	08APR05	5	14APR05	162		0.00	0.00	
1408-603	Bid and Award Type C Chill Plts	15APR05	30	26MAY05	162		0.00	0.00	
1408-605	Fabr Chill Plts Type C for Coil c1	02AUG05	20	29AUG05	117		0.00	3,889.20	
1408-607	Fabr Chill Plts Type C for Coil c2	17OCT05	20	11NOV05	91		0.00	3,612.00	
1408-609	Fabr Chill Plts Type C for Coil c3	07DEC05	20	11JAN06	99		0.00	3,612.00	
1408-611	Fabr Chill Plts Type C for Coil c4	17AUG06	20	13SEP06	109		0.00	3,612.00	
1408-613	Fabr Chill Plts Type C for Coil c5	13SEP06	20	10OCT06	112		0.00	3,646.30	
1408-615	Fabr Chill Plts Type C for Coil c6	06OCT06	20	02NOV06	105		0.00	3,710.00	
1408-617	Submet Requisition for Type A Chill Plts	20MAY05	5	26MAY05	180		0.00	0.00	
1408-619	Bid and Award Type A Chill Plts	27MAY05	30	11JUL05	180		0.00	0.00	
1408-621	Fabr Chill Plts Type A for Coil a1	17NOV05	20	16DEC05	88		0.00	3,612.00	
1408-623	Fabr Chill Plts Type A for Coil a2	24FEB06	20	23MAR06	88		0.00	3,612.00	
1408-625	Fabr Chill Plts Type A for Coil a3	14MAR06	20	10APR06	99		0.00	3,612.00	
1408-627	Fabr Chill Plts Type A for Coil a4	19APR06	20	16MAY06	92		0.00	3,612.00	
1408-629	Fabr Chill Plts Type A for Coil a5	10MAY06	20	07JUN06	89		0.00	3,612.00	
1408-631	Fabr Chill Plts Type A for Coil a6	15MAY06	20	12JUN06	105		0.00	3,612.00	
1408-633	Submet Requisition for Type B Chill Plts	22JUL05	5	28JUL05	188		0.00	0.00	
1408-635	Bid and Award Type B Chill Plts	29JUL05	30	08SEP05	188		0.00	0.00	
1408-637	Fabr Chill Plts Type B for Coil b1	03FEB06	20	02MAR06	91		0.00	3,612.00	
1408-639	Fabr Chill Plts Type B for Coil b2	13JUN06	20	11JUL06	97		0.00	3,612.00	
1408-641	Fabr Chill Plts Type B for Coil b3	05JUL06	20	01AUG06	94		0.00	3,612.00	
1408-643	Fabr Chill Plts Type B for Coil b4	23JUN06	20	21JUL06	114		0.00	3,612.00	
1408-645	Fabr Chill Plts Type B for Coil b5	24JUL06	20	18AUG06	105		0.00	3,612.00	
1408-647	Fabr Chill Plts Type B for Coil b6	15AUG06	20	11SEP06	100		0.00	3,612.00	
Tubing									
1408-761	Submet Requisition for Tubing	08APR05	5	14APR05	1,109		0.00	0.00	
1408-763	Bid and Award Tubing	15APR05	15	05MAY05	1,109		0.00	0.00	
1408-765	Deliver Tubing	06MAY05	10	19MAY05	1,109		0.00	2,778.00	
Epoxy									
1408-111	Epoxy - Requisition	01JAN05A	5	31JAN05A		100	0.00	0.00	
1408-114	Epoxy -Evaluate Bids & Award	01FEB05	20*	28FEB05	302		0.00	0.00	
1408-117	Epoxy -1st Delivery for Production	01AUG05*	20	26AUG05	195		0.00	20,835.00	
1408-119	Epoxy -2nd Delivery for Production	01DEC05*	20	05JAN06	151		0.00	19,350.00	



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- december status
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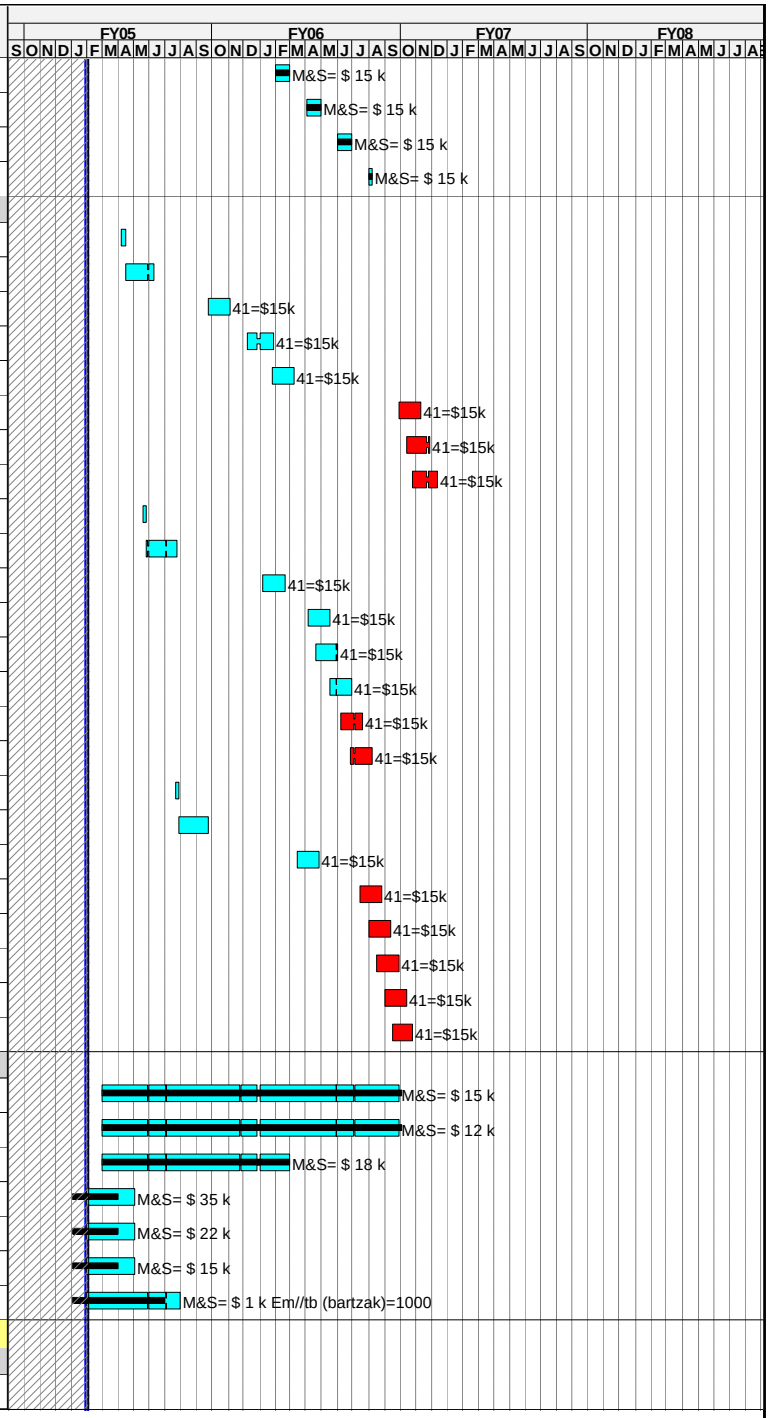
NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1408-121	Epoxy -3rd Delivery for Production	01FEB06*	20	28FEB06	154		0.00	19,350.00	
1408-123	Epoxy -4th Delivery for Production	03APR06*	20	28APR06	147		0.00	19,350.00	
1408-125	Epoxy -5th Delivery for Production	01JUN06*	20	28JUN06	141		0.00	19,350.00	
1408-127	Epoxy -6th Delivery for Production	01AUG06*	5	07AUG06	146		0.00	19,350.00	
Clamps									
1408-901	Submet Requisition for Type C Clamps	08APR05	5	14APR05	292		0.00	0.00	
1408-903	Bid and Award Type C Clamps	15APR05	40	10JUN05	292		0.00	0.00	
1408-905	Fabr Clamps Type C for Coil c1	23SEP05	30	03NOV05	219		0.00	19,647.00	
1408-907	Fabr Clamps Type C for Coil c2	09DEC05	30	27JAN06	174		0.00	19,350.00	
1408-909	Fabr Clamps Type C for Coil c3	27JAN06	30	09MAR06	161		0.00	19,350.00	
1408-911	Fabr Clamps Type C for Coil c4	29SEP06	30	09NOV06	88		0.00	19,857.50	
1408-913	Fabr Clamps Type C for Coil c5	13OCT06	30	27NOV06	101		0.00	19,875.00	
1408-915	Fabr Clamps Type C for Coil c6	27OCT06	30	11DEC06	100		0.00	19,875.00	
1408-917	Submet Requisition for Type A Clamps	20MAY05	5	26MAY05	279		0.00	0.00	
1408-919	Bid and Award Type A Clamps	27MAY05	40	25JUL05	279		0.00	0.00	
1408-921	Fabr Clamps Type A for Coil a1	09JAN06	30	17FEB06	168		0.00	19,350.00	
1408-923	Fabr Clamps Type A for Coil a2	05APR06	30	16MAY06	128		0.00	19,350.00	
1408-925	Fabr Clamps Type A for Coil a3	21APR06	30	02JUN06	123		0.00	19,350.00	
1408-927	Fabr Clamps Type A for Coil a4	18MAY06	30	29JUN06	111		0.00	19,350.00	
1408-929	Fabr Clamps Type A for Coil a5	09JUN06	30	21JUL06	103		0.00	19,350.00	
1408-931	Fabr Clamps Type A for Coil a6	27JUN06	30	08AUG06	98		0.00	19,350.00	
1408-933	Submet Requisition for Type B Clamps	22JUL05	5	28JUL05	251		0.00	0.00	
1408-935	Bid and Award Type B Clamps	29JUL05	40	22SEP05	251		0.00	0.00	
1408-937	Fabr Clamps Type B for Coil b1	15MAR06	30	25APR06	136		0.00	19,350.00	
1408-939	Fabr Clamps Type B for Coil b2	14JUL06	30	24AUG06	93		0.00	19,350.00	
1408-941	Fabr Clamps Type B for Coil b3	02AUG06	30	12SEP06	101		0.00	19,350.00	
1408-943	Fabr Clamps Type B for Coil b4	17AUG06	30	27SEP06	98		0.00	19,350.00	
1408-945	Fabr Clamps Type B for Coil b5	01SEP06	30	12OCT06	94		0.00	19,507.50	
1408-947	Fabr Clamps Type B for Coil b6	15SEP06	30	26OCT06	91		0.00	19,682.50	
Other									
1408-137	Safety & Disposable supplies	01MAR05*	401	28SEP06	154		0.00	19,912.89	
1408-138	Misc. Supplies	01MAR05*	401	28SEP06	299		0.00	15,930.31	
1408-173	Epoxy for Shell Mold (Hysol)	01MAR05*	250	27FEB06	166		0.00	23,220.00	
1408-183	Tubing (Chem flor and Poly)	01FEB05*	65	02MAY05	151		0.00	48,615.00	
1408-184	Vulcanizing tape, felt and RTV	01FEB05*	65	02MAY05	151		0.00	30,558.00	
1408-185	Valves and Fittings	01FEB05*	65	02MAY05	151		0.00	20,835.00	
1408-186	Manifolds	01FEB05*	127	29JUL05	186		0.00	80,939.00	
Job: 1409 - Mod. Coil Test Stand-GETTELFINGER									
Test Stand									
1409-000	FY04 Oct-Mar	20OCT03A	66*	31MAR04A		100	215,830.82	215,830.82	



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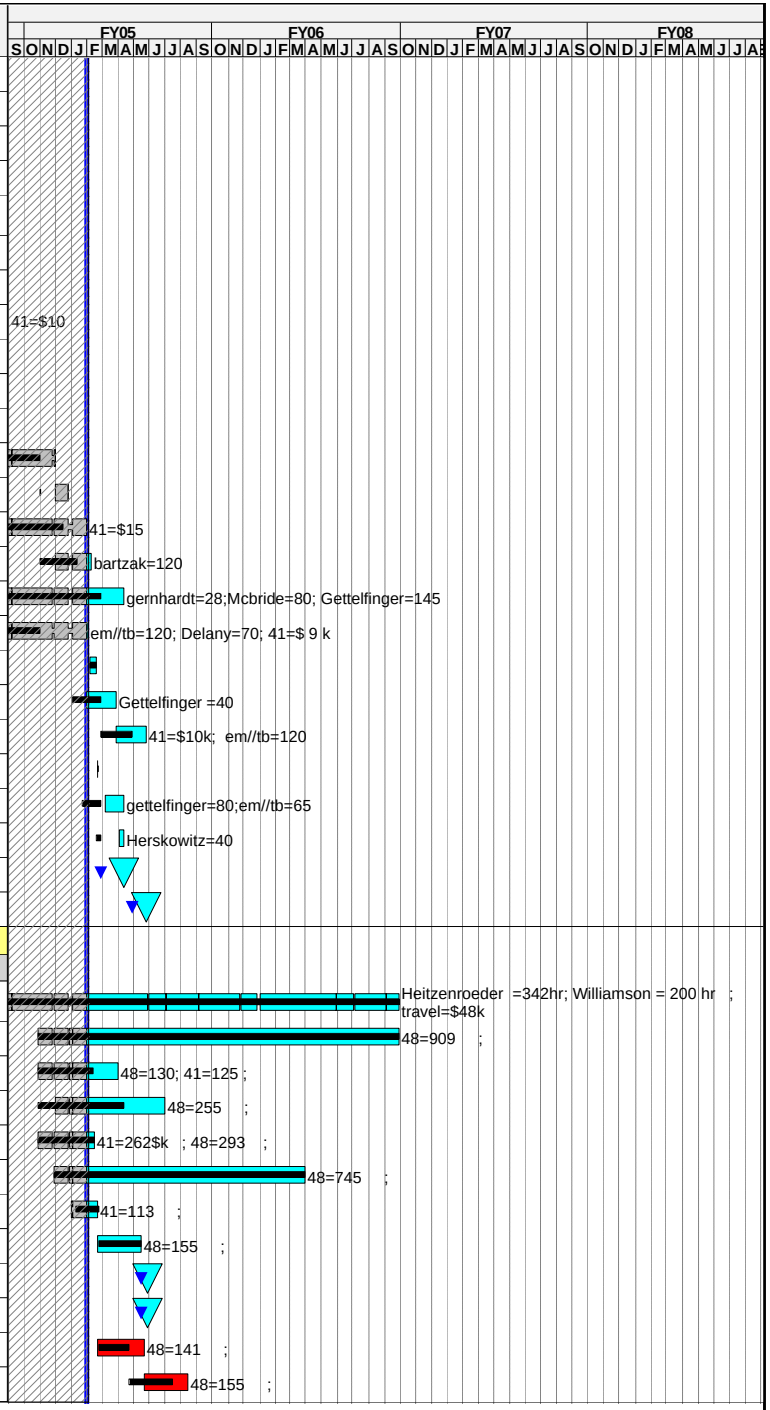
0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1409-025	Complete Design	01APR04A	0*	30APR04A		100	26,931.20	26,931.20	
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	46,696.80	46,696.80	
1409-110	ES&H Peer Review	05APR04A	1	05APR04A		100	0.00	0.00	
1409-120	Install Control Modifications	01MAY04A	42*	30JUN04A		100	12,288.00	12,288.00	
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	
1409-150	Proc Matl's/pump f/closed LN2	02AUG04A	121*			90	18,199.78	20,221.98	
1409-155	Fab/Instl Closed Loop LN2 sys	01DEC04A	44*	09FEB05	192	70	9,142.56	13,060.80	
1409-029	Oversight/Supervision	01APR04A	256*	11APR05	155	LOE	28,796.25	35,771.74	
1409-027	Cryo Line Installation	03MAY04A	185*	01FEB05	178	5	1,437.09	28,741.71	
1409-141	Modify Cryostat for TRC	07FEB05*	10	18FEB05	1,166		0.00	0.00	
1409-130	Cryostat (specimen shroud) dsn	01FEB05*	40	28MAR05	337		0.00	6,699.60	
1409-135	Cryostat (specimen shroud) Fabr & Install	29MAR05	43	26MAY05	337		0.00	23,436.00	
1409-044	Final Design & ACC Review	21FEB05	1	21FEB05	1,166	30	0.00	0.00	
1409-028	System Testing (planar racetrack)	07MAR05*	26	11APR05	155		0.00	18,569.95	
1409-160	Test Closed Loop Cooling	04APR05	6	11APR05	155		0.00	3,182.00	
1409-165	Closed Loop Facility Available for TRC		0	11APR05	155		0.00	0.00	
1409-199	Closed Loop Facility Available for Production MC		0	26MAY05*	337		0.00	0.00	
Job: 1411-MCWF Fabrication S005242-HEITZENROEDER									
172-031	Title III engr	24MAY04A	589*	29SEP06	761	LOE	48,701.35	169,691.11	$11,000
MCWF-001	EIO Project Mgt. & Reporting	29OCT04A	496*	29SEP06	774	LOE	113,603.75	908,830.00	
MCWF-011	Pattern A complete	29OCT04A	106*	01APR05	125	25	88,548.75	303,625.00	
MCWF-021	Pattern B complete	01DEC04A	150*	01JUL05	125	10	25,512.00	255,120.00	
MCWF-031	Major Tool Tooling Complete	29OCT04A	73*	15FEB05	134	60	434,824.00	656,918.00	
MCWF-041	Materials (MetalTek)	29NOV04A	347*	31MAR06	120	18	134,055.00	744,750.00	
MCWF-051	C1-MTK-casting upgrade	01JAN05A	35*	21FEB05	130	75	117,217.71	156,290.28	
MCWF-061	C1-MTM - machining/inspection	22FEB05	60*	16MAY05	130		0.00	154,910.00	
MCWF-071	C1-Receive at PPPL		0	27MAY05*	122		0.00	0.00	
C-121.1	First MCWF C-1 Delivered		0	27MAY05	122		0.00	0.00	
MCWF-081	C2-MTK-casting	21FEB05*	66*	23MAY05	97		0.00	140,810.00	
MCWF-091	C2-MTM - machining/inspection	24MAY05	60*	15AUG05	101		0.00	154,910.00	



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- december status
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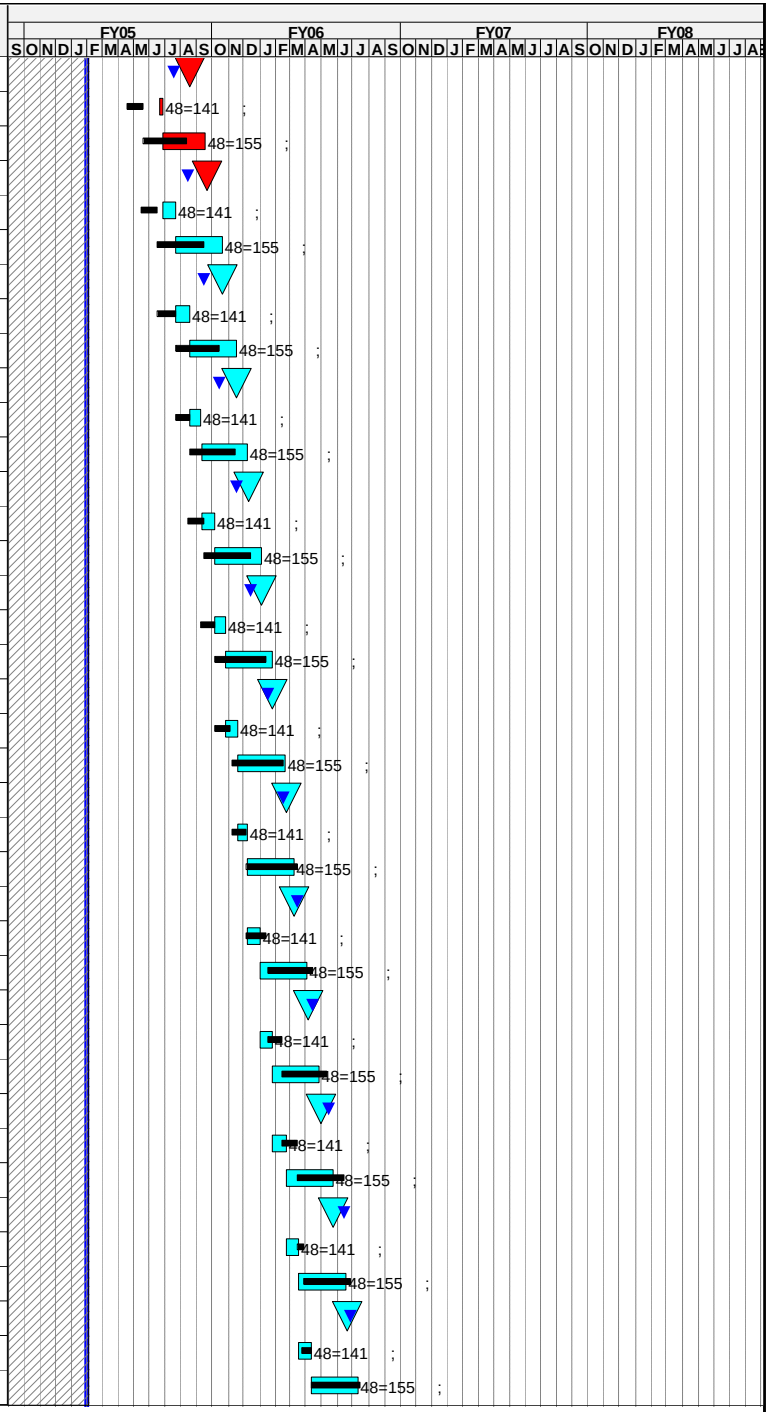
0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
MCWF-101	C2-Receive at PPPL		0	17AUG05*	100		0.00	0.00	
MCWF-111	A1-MTK-casting	21JUN05	5*	27JUN05	97		0.00	140,810.00	
MCWF-121	A1-MTM - machining/inspection	28JUN05	59*	16SEP05	97		0.00	154,910.00	
MCWF-131	A1-Receive at PPPL		0	20SEP05*	96		0.00	0.00	
MCWF-141	C3-MTK-casting	28JUN05	18	21JUL05	107		0.00	140,810.00	
MCWF-151	C3-MTM - machining/inspection	22JUL05	65	20OCT05	107		0.00	154,910.00	
MCWF-161	C3-Receive at PPPL		0	21OCT05	107		0.00	0.00	
MCWF-171	B1-MTK-casting	22JUL05	18	16AUG05	111		0.00	140,810.00	
MCWF-181	B1-MTM - machining/inspection	17AUG05	65	15NOV05	117		0.00	154,910.00	
MCWF-191	B1-Receive at PPPL		0	16NOV05	117		0.00	0.00	
MCWF-201	A2-MTK-casting	17AUG05	18	09SEP05	111		0.00	140,810.00	
MCWF-211	A2-MTM - machining/inspection	12SEP05	65	09DEC05	111		0.00	154,910.00	
MCWF-221	A2-Receive at PPPL		0	12DEC05	111		0.00	0.00	
MCWF-231	A3-MTK-casting	12SEP05	18	05OCT05	112		0.00	140,810.00	
MCWF-241	A3-MTM - machining/inspection	06OCT05	65	04JAN06	117		0.00	154,910.00	
MCWF-251	A3-Receive at PPPL		0	05JAN06	117		0.00	0.00	
MCWF-261	A4-MTK-casting	06OCT05	14	25OCT05	112		0.00	140,810.00	
MCWF-271	A4-MTM - machining/inspection	26OCT05	65	24JAN06	132		0.00	154,910.00	
MCWF-281	A4-Receive at PPPL		0	25JAN06	132		0.00	0.00	
MCWF-291	A5-MTK-casting	26OCT05	18	18NOV05	112		0.00	140,810.00	
MCWF-301	A5-MTM - machining/inspection	21NOV05	65	17FEB06	126		0.00	154,910.00	
MCWF-311	A5-Receive at PPPL		0	20FEB06	126		0.00	0.00	
MCWF-321	A6-MTK-casting	21NOV05	14	08DEC05	112		0.00	140,810.00	
MCWF-331	A6-MTM - machining/inspection	09DEC05	65	09MAR06	141		0.00	154,910.00	
MCWF-341	A6-Receive at PPPL		0	10MAR06	141		0.00	0.00	
MCWF-351	B2-MTK-casting	09DEC05	17	02JAN06	112		0.00	140,810.00	
MCWF-361	B2-MTM - machining/inspection	03JAN06	65	03APR06	136		0.00	154,910.00	
MCWF-371	B2-Receive at PPPL		0	04APR06	136		0.00	0.00	
MCWF-381	B3-MTK-casting	03JAN06	18	26JAN06	112		0.00	140,810.00	
MCWF-391	B3-MTM - machining/inspection	27JAN06	65	27APR06	130		0.00	154,910.00	
MCWF-401	B3-Receive at PPPL		0	28APR06	130		0.00	0.00	
MCWF-411	B4-MTK-casting	27JAN06	18	21FEB06	112		0.00	140,810.00	
MCWF-421	B4-MTM - machining/inspection	22FEB06	65	23MAY06	126		0.00	154,910.00	
MCWF-431	B4-Receive at PPPL		0	24MAY06	126		0.00	0.00	
MCWF-441	B5-MTK-casting	22FEB06	18	17MAR06	112		0.00	140,810.00	
MCWF-451	B5-MTM - machining/inspection	20MAR06	65	16JUN06	122		0.00	154,910.00	
MCWF-461	B5-Receive at PPPL		0	19JUN06	122		0.00	0.00	
MCWF-471	B6-MTK-casting	20MAR06	18	12APR06	112		0.00	140,810.00	
MCWF-481	B6-MTM - machining/inspection	13APR06	65	12JUL06	121		0.00	154,910.00	



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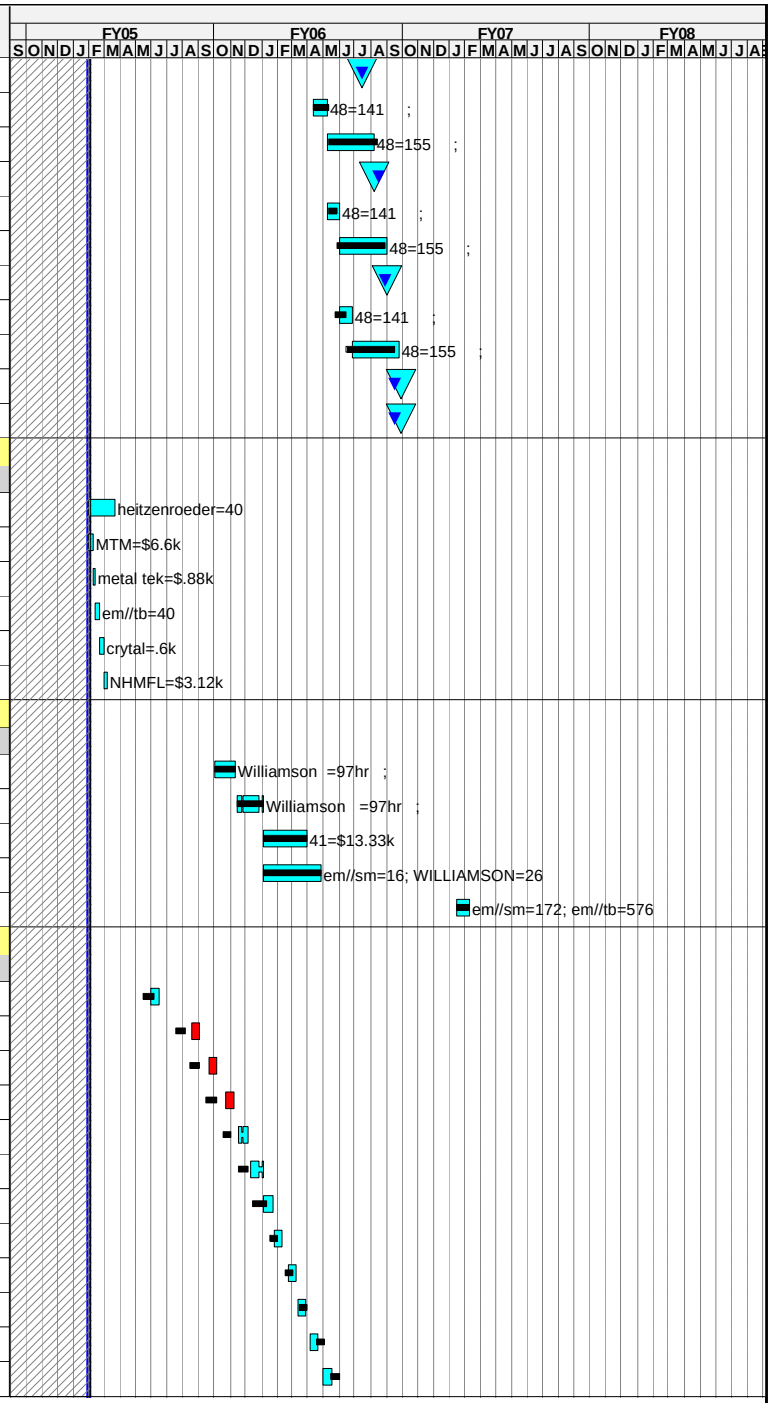
NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
MCWF-491	B6-Receive at PPPL		0	13JUL06	121		0.00	0.00	
MCWF-501	C4-MTK-casting	13APR06	18	08MAY06	112		0.00	140,810.00	
MCWF-511	C4-MTM - machining/inspection	09MAY06	65	07AUG06	116		0.00	154,910.00	
MCWF-521	C4-Receive at PPPL		0	08AUG06	116		0.00	0.00	
MCWF-531	C5-MTK-casting	09MAY06	18	01JUN06	112		0.00	140,810.00	
MCWF-541	C5-MTM - machining/inspection	02JUN06	65	31AUG06	118		0.00	154,910.00	
MCWF-551	C5-Receive at PPPL		0	01SEP06	118		0.00	0.00	
MCWF-561	C6-MTK-casting	02JUN06	18	27JUN06	112		0.00	140,810.00	
MCWF-571	C6-MTM - machining/inspection	28JUN06	65	26SEP06	112		0.00	154,910.00	
MCWF-581	C6-Receive at PPPL		0	27SEP06	112		0.00	0.00	
C-501B1	Last MCWF Delivered		0	27SEP06	112		0.00	0.00	
Job: 1413 -MCWF Fracture Analysis-HEITZENROEDER									
1413-100	Oversight	01FEB05*	35	21MAR05	1,173		0.00	0.00	$6,716
1413-110	Cut 3 discs from proto;cut 1 into qrts (MTM)	01FEB05*	5	07FEB05	1,183		0.00	0.00	$9,167
1413-120	Weld quartered discs (Metal Tek)	08FEB05	3	10FEB05	1,183		0.00	0.00	$1,222
1413-130	Machine test blanks (PPPL)	11FEB05	7	21FEB05	1,183		0.00	0.00	$3,182
1413-140	Wire EDM 12 specimens (Crystal)	22FEB05	5	28FEB05	1,183		0.00	0.00	$833
1413-150	Perform fracture tests (NHMFL)	01MAR05	5	07MAR05	1,183		0.00	0.00	$4,333
Job: 1431 - Modular Coil Local I&C									
174-001	Title I design WBS 143 Mod coil local I&C	03OCT05*	30	11NOV05	870		0.00	14,252.83	
174-011	Title II design WBS 143 Mod coil local I&C	14NOV05	30	04JAN06	870		0.00	14,252.83	
174-035	Modular Coil local I&C -Procurement	05JAN06	60	29MAR06	875		0.00	17,195.70	
174-036	Modular Coil local I&C -Title III	05JAN06	80	26APR06	875		0.00	5,604.24	
174-037	Modular Coil local I&C -Install	15JAN07*	20	09FEB07	678		0.00	69,110.28	
Job: 1451 - Mod Coil Winding-CHRZANOWSKI									
Station 1 Prep, Install Cladding, Final Clamps									
P1-001	Receive C1, Prep& Instl Cladding(Station 1)	31MAY05	12	15JUN05	119		0.00	0.00	
P1-091	Receive C2, Prep& Instl Cladding(Station 1)	18AUG05	12	02SEP05	91		0.00	0.00	
P2-001	Receive A-1, Prep& Instl Cladding(Station 1)	21SEP05	12	06OCT05	88		0.00	0.00	
P2-091	Receive C3, Prep& Instl Cladding(Station 1)	24OCT05	12	08NOV05	99		0.00	0.00	
P3-001	Receive B1, Prep& Instl Cladding(Station 1)	17NOV05	12	06DEC05	109		0.00	0.00	
P3-091	Receive A2, Prep& Instl Cladding(Station 1)	13DEC05	12	05JAN06	105		0.00	0.00	
P1-031	Receive A3, Prep& Instl Cladding(Station 1)	06JAN06	12	23JAN06	116		0.00	0.00	
P1-121	Receive A4, Prep& Instl Cladding(Station 1)	26JAN06	12	10FEB06	130		0.00	0.00	
P2-031	Receive A5, Prep& Instl Cladding(Station 1)	21FEB06	12	08MAR06	124		0.00	0.00	
P2-121	Receive A6, Prep& Instl Cladding(Station 1)	13MAR06	12	28MAR06	138		0.00	0.00	
P3-031	Receive B2, Prep& Instl Cladding(Station 1)	05APR06	12	20APR06	133		0.00	0.00	
P3-121	Receive B3, Prep& Instl Cladding(Station 1)	01MAY06	12	16MAY06	127		0.00	0.00	



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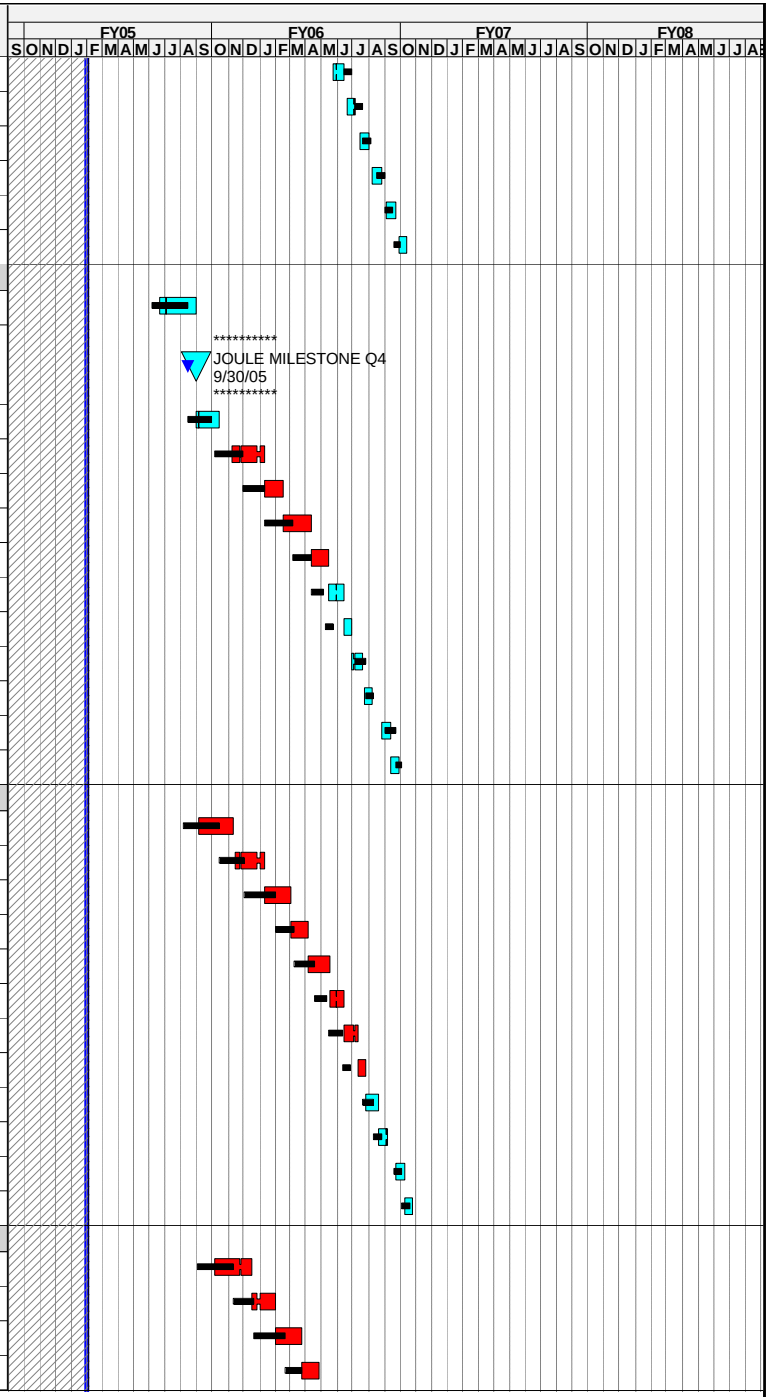
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
P1-061	Receive B4, Prep& Instl Cladding(Station 1A)	25MAY06	12	12JUN06	123		0.00	0.00	
P1-151	Receive B5, Prep& Instl Cladding(Station 1A)	20JUN06	12	06JUL06	118		0.00	0.00	
P2-061	Receive B6, Prep& Instl Cladding(Station 1A)	14JUL06	12	31JUL06	113		0.00	0.00	
P2-151	Receive C4, Prep& Instl Cladding(Station 1A)	09AUG06	12	24AUG06	108		0.00	0.00	
P3-061	Receive C5, Prep& Instl Cladding(Station 1A)	05SEP06	12	20SEP06	110		0.00	0.00	
P3-151	Receive C6, Prep& Instl Cladding(Station 1A)	28SEP06	12	13OCT06	105		0.00	0.00	
Station 2-Winding, Instl Chill Plates,Tubing,Bag									
P1-011	Wind coil C-1 (station 2)	21JUN05*	49	29AUG05	116		0.00	0.00	
P1-011J	Complete Winding First Modular Coil		0	29AUG05	1,033		0.00	0.00	
P1-020	Instl Chill Plates,Tubing, Bag C1 (Station 2)	30AUG05	33	14OCT05	116		0.00	0.00	
P2-101	Wind coil C-3 (station2)	09NOV05	38	11JAN06	99		0.00	0.00	
P2-110	Instl Chill Plates,Tubing, Bag C3(Station 2)	12JAN06	25	15FEB06	99		0.00	0.00	
P1-041	Wind coil A3 (station 2)	16FEB06	38	10APR06	99		0.00	0.00	
P1-050	Instl Chl Plates,Tubing, Bag A3(Station 2)	11APR06	25	15MAY06	99		0.00	0.00	
P2-131	Wind coil A6 (station 2) 2 shift	16MAY06	19	12JUN06	104		0.00	0.00	
P2-140	Instl Chl Plates,Tubing, Bag A6(Station 2) 2shft	13JUN06	12	28JUN06	104		0.00	0.00	
P1-071	Wind coil B4 (station 2)**2 shift	29JUN06	16	21JUL06	113		0.00	0.00	
P1-080	Instl Chl Plates,Tubing,Bag B4(Station 2)*2 shft	24JUL06	11	07AUG06	113		0.00	0.00	
P2-161	Wind coil C4 (station 2) **2 shift	25AUG06	14	13SEP06	116		0.00	0.00	
P2-170	Instl Chill Plates,Tubing,Bag C4Station2)*2 shft	14SEP06	10	27SEP06	116		0.00	0.00	
Station 3-Winding, Instl Chill Plates,Tubing,Bag									
P1-101	Wind coil C-2(station 3)	06SEP05*	49	11NOV05	91		0.00	0.00	
P1-110	Instl Chill Plates,Tubing, Bag C2 (Station 3)	14NOV05	33	09JAN06	91		0.00	0.00	
P3-011	Wind coil B1 (station 3)	10JAN06	38	02MAR06	91		0.00	0.00	
P3-020	Instl Chill Plates,Tubing, Bag B1 (Station 3)	03MAR06	25	06APR06	91		0.00	0.00	
P1-131	Wind coil A4 (station 3) 60h/wk	07APR06	28	16MAY06	91		0.00	0.00	
P1-140	Instl Chl Plates,Tubing, BagA4Station 3) 60h/wk	17MAY06	19	13JUN06	91		0.00	0.00	
P3-041	Wind coil B2 (station 3) 2 shift	14JUN06	19	11JUL06	96		0.00	0.00	
P3-050	Instl Chl Plates,Tubing, BagB2Station 3)2 shft	12JUL06	12	27JUL06	96		0.00	0.00	
P1-161	Wind coil B5 (station 3) **2 shift	28JUL06	16	18AUG06	104		0.00	0.00	
P1-170	Instl Chill Plates,Tubing,Bag B5Station 3)*2shft	21AUG06	11	05SEP06	104		0.00	0.00	
P3-071	Wind coil C5 (station 3) **2 shift	21SEP06	14	10OCT06	112		0.00	0.00	
P3-080	Instl Chill Plates,Tubing,Bag C5Station 3)*2shft	11OCT06	10	24OCT06	112		0.00	0.00	
Station 4-Winding, Instl Chill Plates,Tubing,Bag									
P2-011	Wind coil A1 (station 4)	07OCT05	49	16DEC05	88		0.00	0.00	
P2-020	Instl Chill Plates,Tubing, Bag A1 (Station 4)	19DEC05	25	30JAN06	88		0.00	0.00	
P3-101	Wind coil A2 (station 4)	31JAN06	38	23MAR06	88		0.00	0.00	
P3-110	Instl Chill Plates,Tubing, Bag A2 (Station 4)	24MAR06	25	27APR06	88		0.00	0.00	



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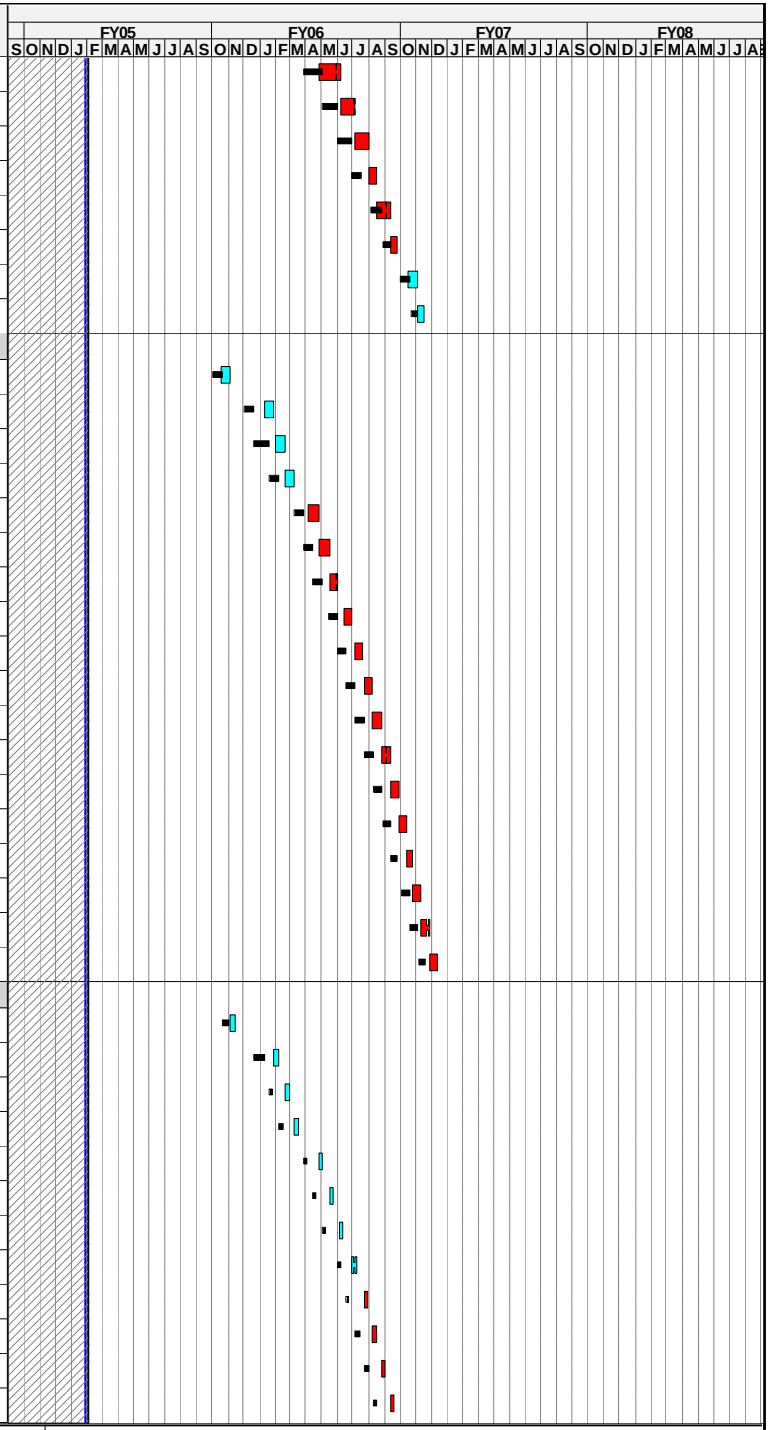
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
P2-041	Wind coil A5 (station 4) 60 h/wk	28APR06	28	07JUN06	88		0.00	0.00	
P2-050	Instl Chl Plates,Tubing, Bag A5 (Station 4)60h/w	08JUN06	19	05JUL06	88		0.00	0.00	
P3-131	Wind coil B3 (station 4) 2 shift	06JUL06	19	01AUG06	93		0.00	0.00	
P3-140	Instl Chl Plates,Tubing, Bag B3 (Station 4)2shft	02AUG06	12	17AUG06	93		0.00	0.00	
P2-071	Wind coil B6 (station 4)**2 shift	18AUG06	16	11SEP06	100		0.00	0.00	
P2-080	Instl Chill Plates,Tubing,Bag B6(Station 4)2shft	12SEP06	11	26SEP06	100		0.00	0.00	
P3-161	Wind coil C6 (station 4)** 2 shift	16OCT06	14	02NOV06	105		0.00	0.00	
P3-170	Instl Chill Plates,Tubing,BagC6Station 4)**2shft	03NOV06	10	16NOV06	105		0.00	0.00	
Station 5-VPI									
P1-021V	VPI (Station 5) C1	17OCT05	14	03NOV05	160		0.00	0.00	
P1-111V	VPI (Station 5) C2	10JAN06	14	27JAN06	121		0.00	0.00	
P2-021V	VPI (Station 5) A1	31JAN06	14	17FEB06	120		0.00	0.00	
P2-111V	VPI (Station 5) C3	20FEB06	14	09MAR06	120		0.00	0.00	
P3-021V	VPI (Station 5) B1	07APR06	13	25APR06	100		0.00	0.00	
P3-111V	VPI (Station 5) A2	28APR06	13	16MAY06	98		0.00	0.00	
P1-051V	VPI (Station 5) A3	17MAY06	12	02JUN06	98		0.00	0.00	
P1-141V	VPI (Station 5) A4	14JUN06	12	29JUN06	91		0.00	0.00	
P2-051V	VPI (Station 5) A5	06JUL06	12	21JUL06	88		0.00	0.00	
P2-141V	VPI (Station 5) A6	24JUL06	12	08AUG06	88		0.00	0.00	
P3-051V	VPI (Station 5) B2	09AUG06	12	24AUG06	88		0.00	0.00	
P3-141V	VPI (Station 5) B3	25AUG06	12	12SEP06	88		0.00	0.00	
P1-081V	VPI (Station 5) B4	13SEP06	11	27SEP06	88		0.00	0.00	
P1-171V	VPI (Station 5) B5	28SEP06	11	12OCT06	88		0.00	0.00	
P2-081V	VPI (Station 5) B6	13OCT06	10	26OCT06	88		0.00	0.00	
P3-081V	VPI (Station 5) C4	27OCT06	10	09NOV06	88		0.00	0.00	
P2-171V	VPI (Station 5) C5	10NOV06	10	27NOV06	100		0.00	0.00	
P3-171V	VPI (Station 5) C6	28NOV06	10	11DEC06	100		0.00	0.00	
Station 1B Final Clamp Installation									
P1-021C	Install Clamps (Station1) C1	04NOV05	7	14NOV05	218		0.00	0.00	
P1-111C	Install Clamps (Station1) C2	30JAN06	7	07FEB06	173		0.00	0.00	
P2-021C	Install Clamps (Station1) A1	20FEB06	6	27FEB06	167		0.00	0.00	
P2-111C	Install Clamps (Station1) C3	10MAR06	6	17MAR06	160		0.00	0.00	
P3-021C	Install Clamps (Station1) B1	26APR06	5	02MAY06	135		0.00	0.00	
P3-111C	Install Clamps (Station1) A2	17MAY06	5	23MAY06	127		0.00	0.00	
P1-051C	Install Clamps (Station1) A3	05JUN06	5	09JUN06	122		0.00	0.00	
P1-141C	Install Clamps (Station1) A4	30JUN06	5	07JUL06	110		0.00	0.00	
P2-051C	Install Clamps (Station1) A5	24JUL06	5	28JUL06	102		0.00	0.00	
P2-141C	Install Clamps (Station1) A6	09AUG06	5	15AUG06	97		0.00	0.00	
P3-051C	Install Clamps (Station1) B2	25AUG06	5	31AUG06	92		0.00	0.00	
P3-141C	Install Clamps (Station1) B3	13SEP06	5	19SEP06	101		0.00	0.00	



Run Date 15FEB05 15:17

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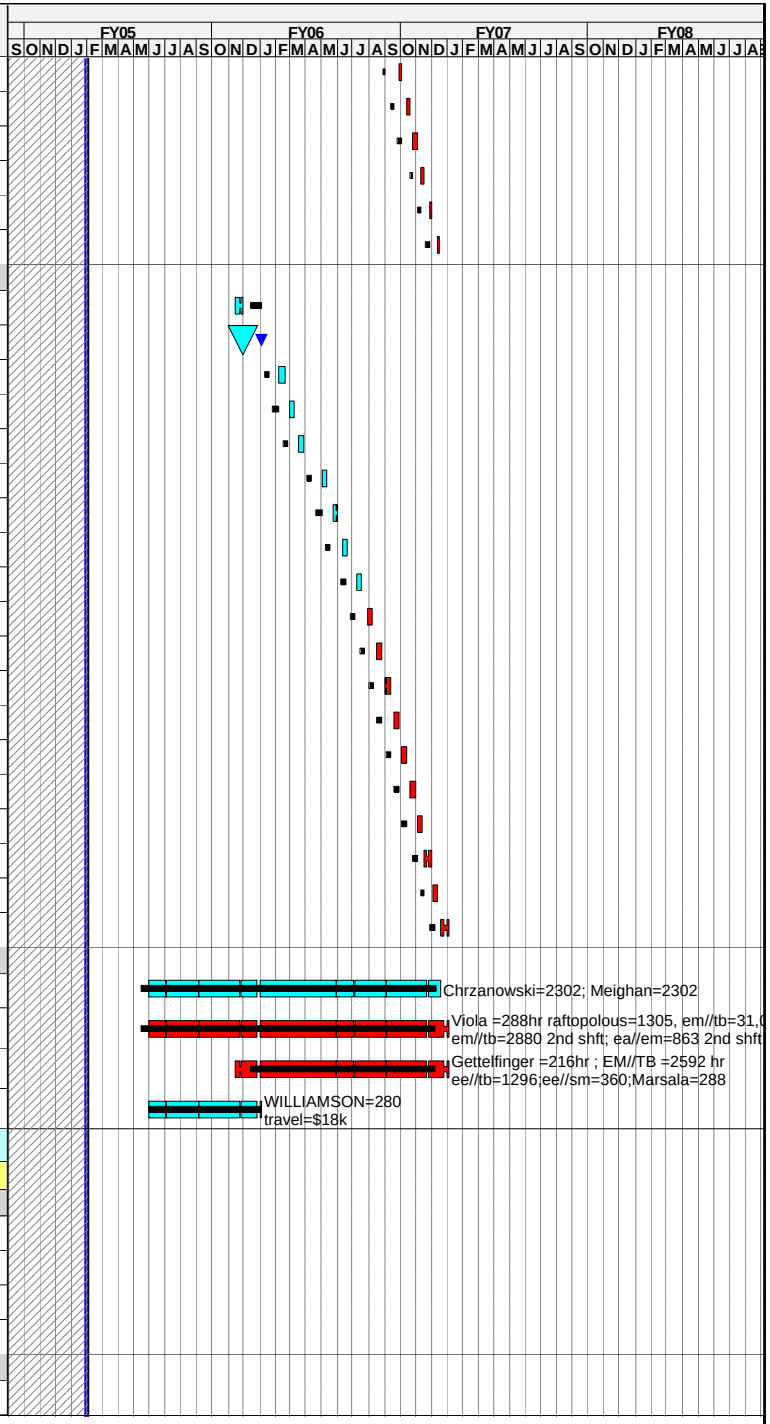
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
P1-081C	Install Clamps (Station1) B4	28SEP06	5	04OCT06	98		0.00	0.00	
P1-171C	Install Clamps (Station1) B5	13OCT06	5	19OCT06	94		0.00	0.00	
P2-081C	Install Clamps (Station1) B6	27OCT06	5	02NOV06	91		0.00	0.00	
P3-081C	Install Clamps (Station1) C4	10NOV06	5	16NOV06	88		0.00	0.00	
P3-171C	Install Clamps (Station1) C5	28NOV06	4	01DEC06	101		0.00	0.00	
P2-171C	Install Clamps (Station1) C6	12DEC06	4	15DEC06	100		0.00	0.00	
Station 6- Coil Test Facility									
P1-021	Test Coil (Coil Test Stand) C1	15NOV05	8	28NOV05	218		0.00	0.00	
P1-021.1	Complete First Mod Coil Fabrication C1		0	28NOV05	971		0.00	0.00	
P1-111	Test Coil (Coil Test Stand) C2	08FEB06	8	17FEB06	173		0.00	0.00	
P2-021	Test Coil (Coil Test Stand) A1	28FEB06	7	08MAR06	167		0.00	0.00	
P2-111	Test Coil (Coil Test Stand) C3	20MAR06	7	28MAR06	160		0.00	0.00	
P3-021	Test Coil (Coil Test Stand) B1	03MAY06	7	11MAY06	135		0.00	0.00	
P3-111	Test Coil (Coil Test Stand) A2	24MAY06	7	02JUN06	127		0.00	0.00	
P1-051	Test Coil (Coil Test Stand) A3	12JUN06	7	20JUN06	122		0.00	0.00	
P1-141	Test Coil (Coil Test Stand) A4	10JUL06	7	18JUL06	110		0.00	0.00	
P2-051	Test Coil (Coil Test Stand) A5	31JUL06	7	08AUG06	102		0.00	0.00	
P2-141	Test Coil (Coil Test Stand) A6	16AUG06	7	24AUG06	97		0.00	0.00	
P3-051	Test Coil (Coil Test Stand) B2	01SEP06	7	12SEP06	92		0.00	0.00	
P3-141	Test Coil (Coil Test Stand) B3	20SEP06	7	28SEP06	101		0.00	0.00	
P1-081	Test Coil (Coil Test Stand) B4	05OCT06	7	13OCT06	98		0.00	0.00	
P1-171	Test Coil (Coil Test Stand) B5	20OCT06	7	30OCT06	94		0.00	0.00	
P2-081	Test Coil (Coil Test Stand) B6	03NOV06	7	13NOV06	91		0.00	0.00	
P2-171	Test Coil (Coil Test Stand) C4	17NOV06	7	29NOV06	88		0.00	0.00	
P3-171	Test Coil (Coil Test Stand) C5	04DEC06	6	11DEC06	101		0.00	0.00	
P3-081	Test Coil (Coil Test Stand) C6	18DEC06	6	02JAN07	100		0.00	0.00	
LABR									
171-040	Winding Oversight (LOE)	31MAY05*	391	19DEC06	706		0.00	651,427.38	
171-041	Modular Coil Winding (18 coils)	31MAY05	395*	02JAN07	100		0.00	3,182,165.71	
171-041CT	PBR Increment for cold testing	15NOV05	277*	02JAN07	100		0.00	444,658.11	
TITLE3WIND	Titel III Design-PRODUCTION WINDING	01JUN05*	145*	03JAN06	951		0.00	72,489.23	$26,000
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	12,856.00	12,856.00	
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A		100	6,428.00	6,428.00	
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	21OCT03A	30	26NOV03A		100	28,765.30	28,765.30	



Run Date 15FEB05 15:17

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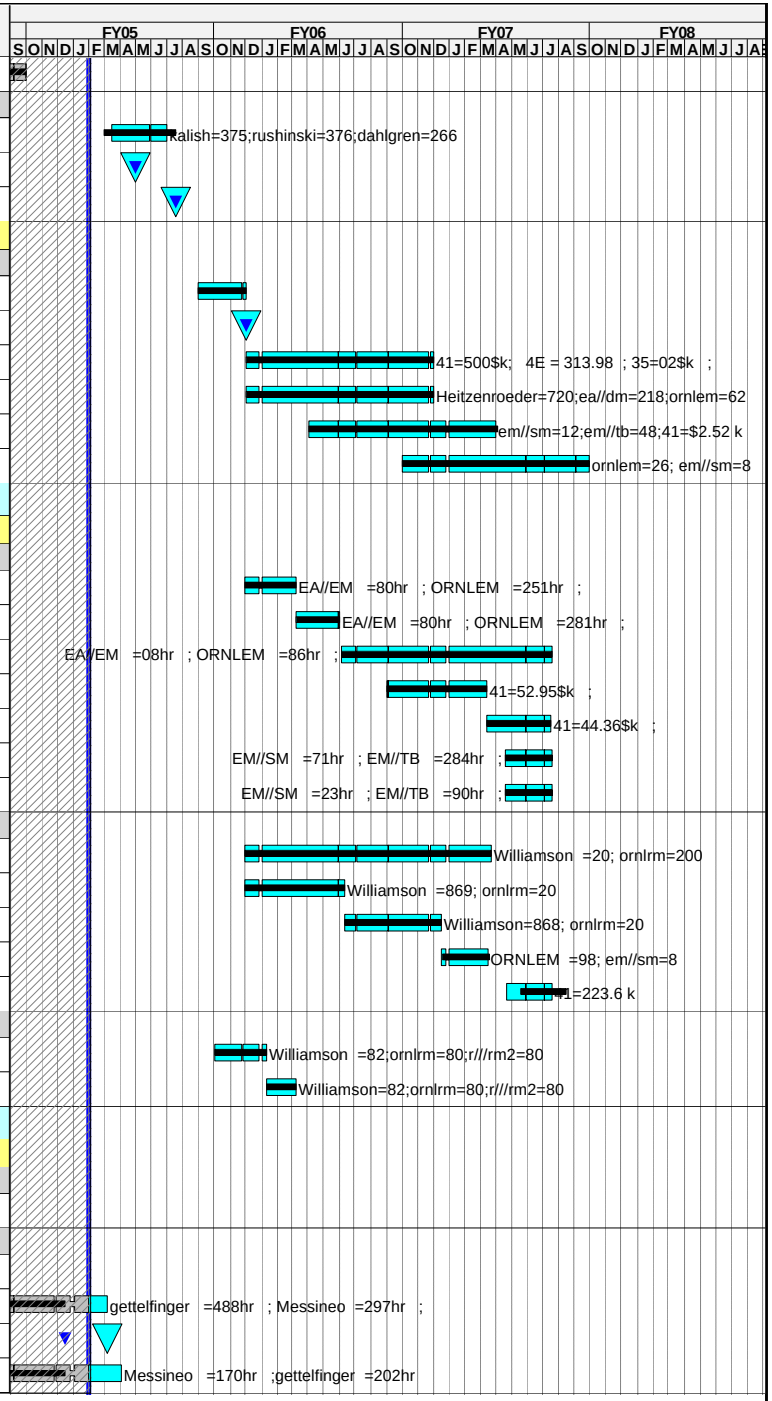
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	30SEP04A		LOE	5,624.50	5,624.50	
1501-FY05	Prelim & Final Design Structures	18MAR05*	75	01JUL05	197		0.00	170,744.13	
1501-PDR	Structures PDR		0	29APR05*	1,123		0.00	0.00	
1501-FDR	Structures FDR		0	18JUL05*	187		0.00	0.00	
Job:1550 - Structures Procurement -KALISH									
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	31AUG05	65	01DEC05	156		0.00	0.00	
162-036.9	Award Coil Support Assy		0	01DEC05*	156		0.00	0.00	
162-037	WBS 151Coil Support Assy Procurement [A/1]	02DEC05	249	30NOV06	156		0.00	985,700.49	
162-031	Title III engr WBS 151	02DEC05	249	30NOV06	719		0.00	156,985.78	
153.037	WBS 153 Support Structure I&C Procurement/Fab	03APR06*	249	30MAR07	639		0.00	8,647.88	
153.015	Title III design WBS 153 localI&C	02OCT06*	249	28SEP07	512		0.00	4,953.56	
16 - Coil Services									
161 - LN2 Distribution									
191-001	Title I design WBS 161 LN2 manifolds&piping	01DEC05*	65	09MAR06	216		0.00	50,654.84	
191-011	Title II design WBS 161 LN2 manifolds&piping	10MAR06	60	02JUN06	216		0.00	101,456.92	
191-031	Title III engr WBS 161	05JUN06*	280	17JUL07	564		0.00	14,529.54	
191-037	Procurement WBS 161	01SEP06*	130	14MAR07	153		0.00	69,873.63	
191-038	PDR#17	15MAR07*	86	16JUL07	565		0.00	58,777.00	
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	19APR07*	62	17JUL07	128		0.00	32,466.17	
191-042	PDR #17,25,3	19APR07*	65	20JUL07	561		0.00	10,346.85	
162 - Electrical Leads									
132-000	PDR #17 & 25	30NOV05*	325	22MAR07	645		0.00	40,192.85	
132-001	Title I design WBS 162 Coil leads	01DEC05*	130	09JUN06	208		0.00	131,638.16	
132-011	Title II design WBS 162 Coil leads	12JUN06	130	14DEC06	208		0.00	134,254.23	
132-015	Title III design WBS 162 Coil leads	15DEC06*	60	16MAR07	649		0.00	16,089.08	
132-037	Coil Leads Procurement WBS 162	24APR07*	60	18JUL07	122		0.00	296,296.50	
163 - Coil Protection System									
163.001	Title I design WBS 163 Coil protection	03OCT05*	65	11JAN06	905		0.00	39,432.08	
163.011	Title II design WBS 163 Coil protection	12JAN06	40	08MAR06	905		0.00	39,432.08	
17 - Cryostat and Base Support Structure									
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER									
0000									
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	0.00	0.00	
151-001	Title I design WBS 171 cryostat	01APR04A	231*	07MAR05	323	65	83,717.04	128,795.44	
151-002	Cryostat PDR		0	07MAR05	323		0.00	0.00	
161-001	Title I design WBS 172 base support struct	01APR04A	251*	04APR05	189	85	43,396.00	51,054.12	



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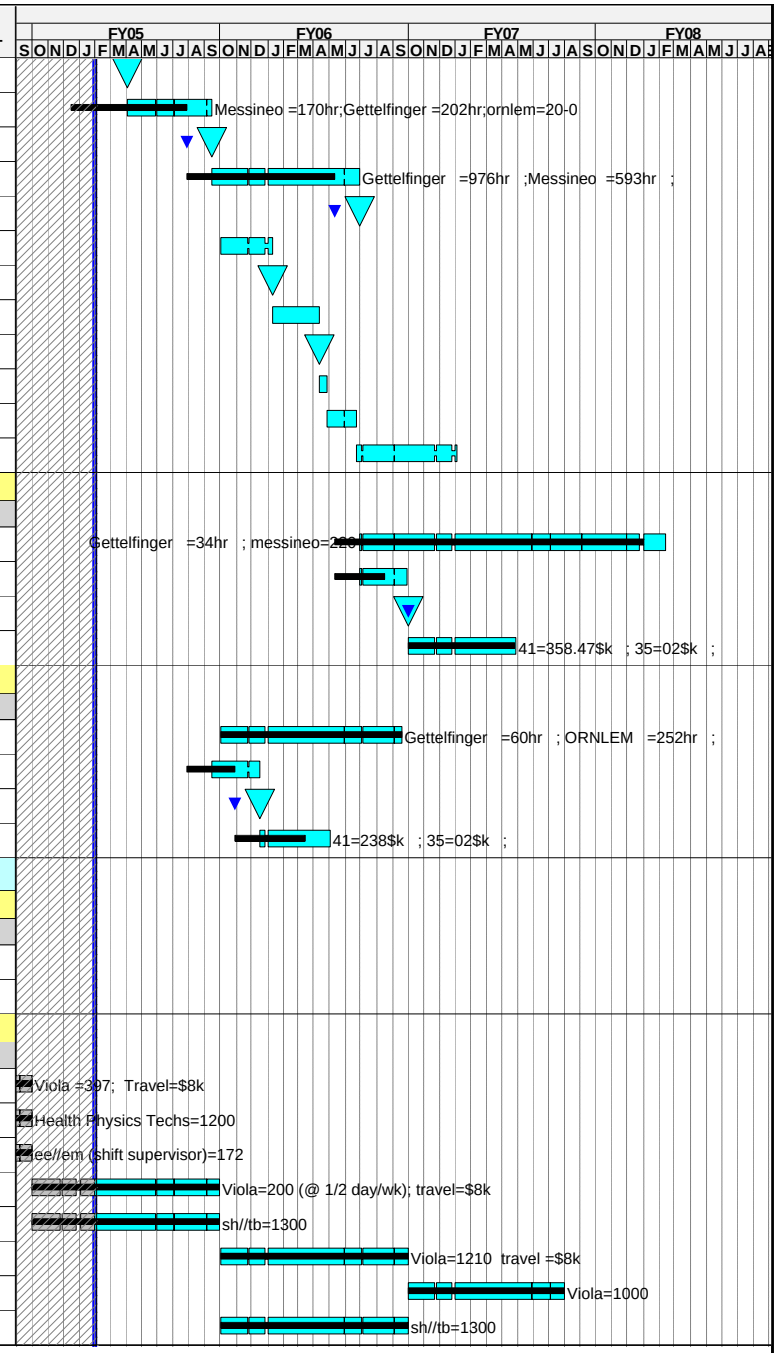
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
151-003	Base Support Struct PDR		0	04APR05	189		0.00	0.00	
161-011	Final Design Base Support Structure WBS 172	05APR05	114	14SEP05	189		0.00	62,374.28	
172-199	Base Support Structure FDR		0	14SEP05	189		0.00	0.00	
151-011	Final Design Cryostat WBS 171	15SEP05*	196	28JUN06	189		0.00	229,712.82	
171-199	Cryostat FDR		0	28JUN06	189		0.00	0.00	
173-100	Title I Design WBS 173 Spacer Manipulator	03OCT05*	65	11JAN06	139		0.00	0.00	?
173-115	WBS 173 Spacer Manipulator PDR		0	11JAN06	139		0.00	0.00	?
173-120	Title II Design WBS 173 Spacer Manipulator	12JAN06	65	12APR06	139		0.00	0.00	?
173-125	WBS 173 Spacer ManipulatorFDR		0	12APR06	139		0.00	0.00	?
173-130	Prep & Issues Req for Spacer Manipulator	13APR06	10	26APR06	139		0.00	0.00	?
173-135	Bid/Evaluate/Award Spacer Manipulator	27APR06	40	22JUN06	139		0.00	0.00	?
173-140	Fabricate Spacer Manipulator	23JUN06	130	04JAN07	139		0.00	0.00	?
Job: 1751 - Cryostat Procurement									
171 - Cryostat									
151-031	Title III engr	29JUN06	405	14FEB08	421		0.00	30,750.55	
151-036.8	Prep Spec, Solicit bids, and Select Vendor	29JUN06	65	29SEP06	189		0.00	0.00	
151-036.9	Award Cryostat Procurement		0	02OCT06*	188		0.00	0.00	
151-037	Cryostat Procurement [A/1]	03OCT06*	141	27APR07	188		0.00	478,642.75	
Job: 1752 - Base Support Structure Procurement									
172 - Base Support Structure									
161-031	Title III engr WBS 172	03OCT05*	240	18SEP06	770		0.00	47,352.48	
161-036.8	Prep Spec, Solicit bids, and Select Vendor	15SEP05	65	16DEC05	292		0.00	0.00	
161-036.9	Award Machine Base&supports Procurement		0	16DEC05*	292		0.00	0.00	
161-037	Machine Base&supports Procurement [A/1]	19DEC05	90	01MAY06	292		0.00	283,051.70	
18 - Field Period Assembly									
Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)									
0000									
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									
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A		LOE	77,947.50	77,947.50	
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04A		LOE	115,320.00	115,320.00	
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A		LOE	25,920.40	25,920.40	
181.110	PPPL EM LOE FY05	01OCT04A	249*	30SEP05	1,010	LOE	14,836.82	47,402.00	
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04A	249*	30SEP05	1,010	LOE	44,486.38	142,129.00	
181.120	PPPL EM LOE FY06	03OCT05*	250*	02OCT06	760		0.00	220,592.53	
181.121	PPPL EM LOE FY06	02OCT06*	207*	31JUL07	554		0.00	179,340.00	
181.220	HP Coverage in the TFTR TC LOE FY06	03OCT05*	250*	02OCT06	760		0.00	144,966.02	



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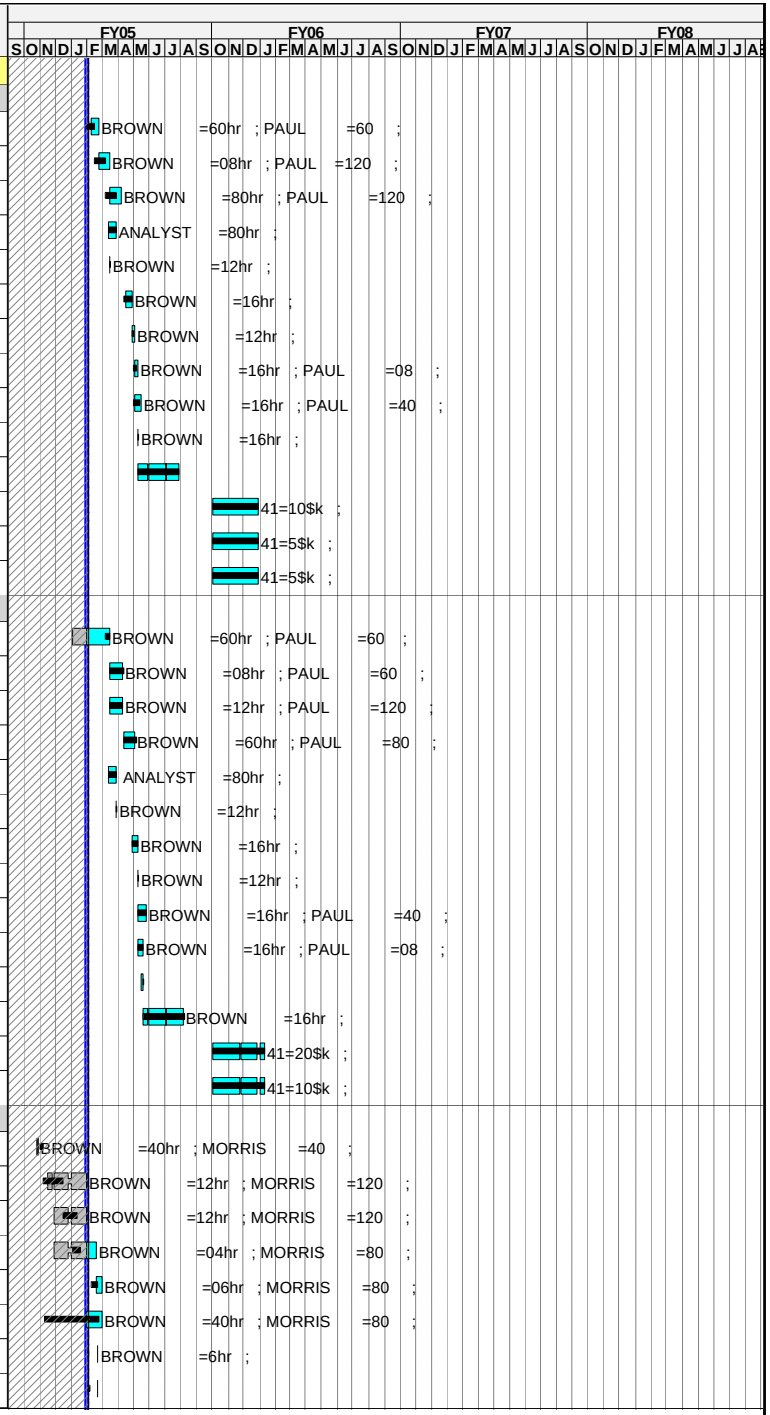
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
Job: 1803- FP Assy Toolg/Constructability-BROWN									
VV Prep Station									
1803-1.01	Concept definition and requirements	09FEB05*	10	22FEB05	167		0.00	16,352.40	
1803-1.02	VV Support Fixture - model design& drawing detai	23FEB05	15	15MAR05	167		0.00	13,901.12	
1803-1.04	Metrology -sightline layout metrology support	16MAR05	15	05APR05	184		0.00	25,989.20	
1803-1.05	Structural / Seismic Analysis check	15MAR05*	10	28MAR05	190		0.00	13,431.20	
1803-1.06	Design review PDR VV Prep Station	16MAR05*	2	17MAR05	167		0.00	2,014.68	
1803-1.09	Safety Review documentation / presentation	15APR05	10	28APR05	167		0.00	2,686.24	
1803-1.061	Design review FDR VV Prep Station	29APR05*	2	02MAY05	167		0.00	2,014.68	
1803-1.07	Design check and sign-off	03MAY05*	5	09MAY05	167		0.00	3,523.44	
1803-1.10	Fab / Design Review - follow-up activities	03MAY05*	10	16MAY05	218		0.00	6,872.24	
1803-1.08	Prep & Issue Spec,dwgs,and requisition	10MAY05*	1	10MAY05	167		0.00	2,686.24	
1803-1.081	Procurement Lead Time and Award	11MAY05	55	28JUL05	167		0.00	0.00	
1803-1.12	FAB - VV support Fixture	03OCT05*	65	30DEC05	129		0.00	12,900.00	
1803-1.13	FAB VV Prep Station Platform	03OCT05*	65	30DEC05	129		0.00	6,450.00	
1803-1.14	FAB VV Prep Station metrology stands	03OCT05*	65	30DEC05	129		0.00	6,450.00	
Half Period Assembly									
1803-2.01	Concept definition and requirements	03JAN05A	52*	15MAR05	317	5	817.62	16,352.40	
1803-2.02	MC Holding Fixture 1 - model design and drawing	16MAR05	18	08APR05	317		0.00	7,622.12	
1803-2.03	MC Assembly Fixture 2- design & drawing details	16MAR05	18	08APR05	317		0.00	14,572.68	
1803-2.04	Metrology - sightline layout design details metr	14APR05*	15	04MAY05	1,120		0.00	18,445.40	
1803-2.05	Structural / Seismic Analysis check	15MAR05*	10	28MAR05	295		0.00	13,431.20	
1803-2.06	PDR Half Period Assy	29MAR05*	1	29MAR05	295		0.00	2,014.68	
1803-2.09	Safety Review documentation / presentation	27APR05	10	10MAY05	295		0.00	2,686.24	
1803-2.061	FDR Half Period Assy	11MAY05*	1	11MAY05	295		0.00	2,014.68	
1803-2.10	Fab / Design Review - follow-up activities	12MAY05	10	25MAY05	1,105		0.00	6,872.24	
1803-2.07	Design check and sign-off	12MAY05	5	18MAY05	295		0.00	3,523.44	
1803-2.08A	Prep & Issue Spec,dwgs,and requisition	18MAY05	1	18MAY05	295		0.00	0.00	
1803-2.08	Procurement Lead Time and Award	19MAY05	55	05AUG05	295		0.00	2,686.24	
1803-2.11	Fab MC HP Assy Fixtures (2)	03OCT05*	65	11JAN06	255		0.00	25,800.00	
1803-2.12	Fab MC MC HP Assy Metrology support stands (2)	03OCT05*	65	11JAN06	255		0.00	12,900.00	
MC Installation									
1803-3.01	Concept definition and requirements	25OCT04A	5	29OCT04A		100	10,901.60	10,901.60	
1803-3.02	MC Turning Fixture and base - model design and d	15NOV04A	48*	31JAN05A		100	14,572.68	14,572.68	
1803-3.03	MC Gantry Crane - model design and drawing detai	29NOV04A	40*	31JAN05A		100	14,572.68	14,572.68	
1803-3.04	VV support stand - model design and drawing deta	29NOV04A	53*	17FEB05	372	75	6,782.67	9,043.56	
1803-3.05	Platform - design and drawing details	18FEB05	7	28FEB05	372		0.00	9,379.34	
1803-3.06	Metrology - sightline layout design details metr	01FEB05*	20	28FEB05	372		0.00	15,087.60	
1803-3.082	* PDR * Turning Fixture,base&gantry crane	21FEB05*	1	21FEB05	202		0.00	1,007.34	
1803-3.084	Industry Info Meeting	21FEB05*	1	21FEB05	1,172		0.00	0.00	



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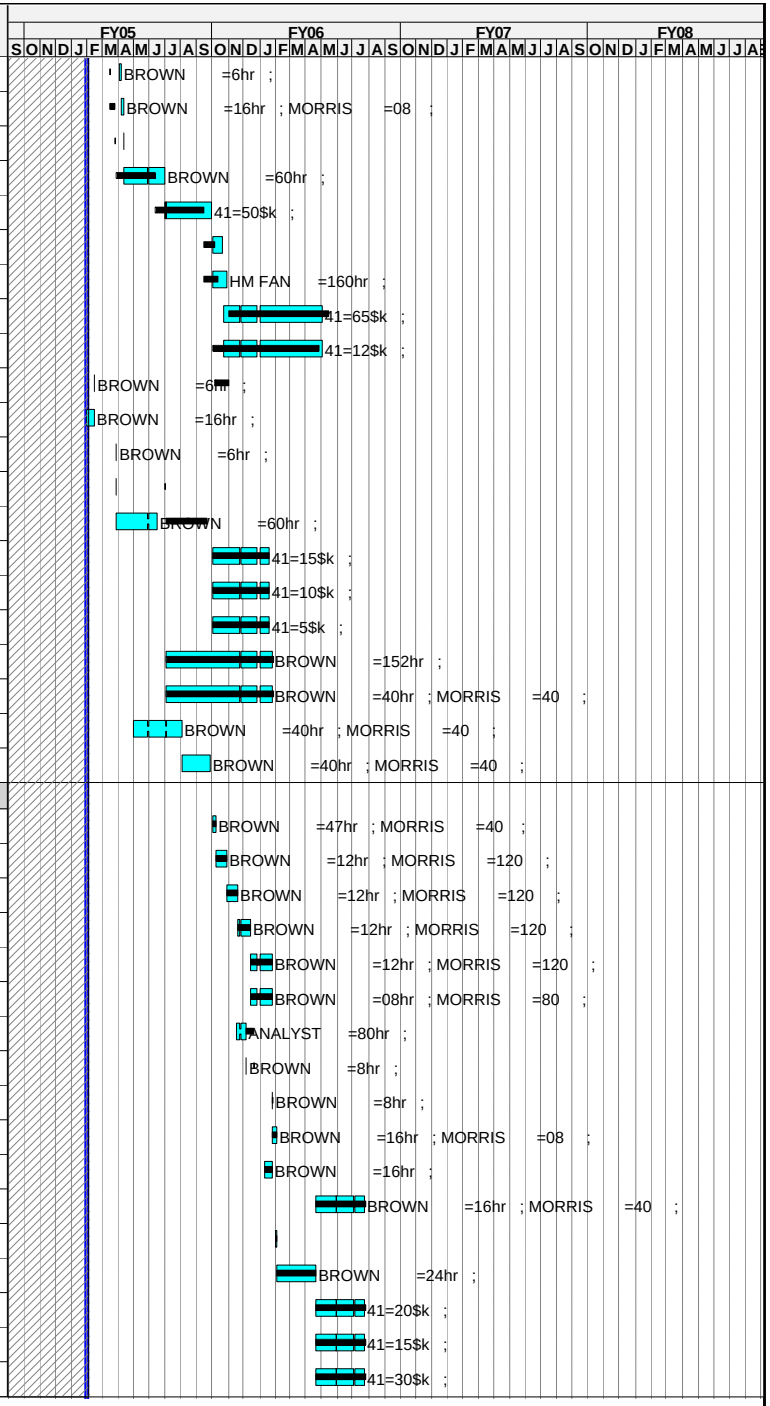
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1803-3.083	* FDR * Turning Fixture,base&gantry crane	05APR05	1	05APR05	202		0.00	1,007.34	
1803-3.09	Design check and sign-off	06APR05*	5	12APR05	202		0.00	3,523.44	
1803-3.10A	Prep & Issue Spec,dwgs,and req-turning fixt	13APR05	1	13APR05	202		0.00	0.00	
1803-3.10	Procurement lead time turning fixt,base&gantry	14APR05	55	30JUN05	202		0.00	10,073.40	
1803-3.15	Vendor Design MC Turning fixture & Base	01JUL05	65	30SEP05	202		0.00	69,450.00	
1803-3.15B	FDR - MC Turning fixture & Base	03OCT05	15	21OCT05	202		0.00	0.00	
1803-3.07	Structural / Seismic Analysis check	03OCT05*	20	28OCT05	995		0.00	27,395.20	
1803-3.15C	Fabricate - MC Turning fixture & Base	24OCT05*	130	03MAY06	202		0.00	83,850.00	
1803-3.15A	Fabricate - MC Gantry Crane	24OCT05*	130	03MAY06	202		0.00	15,480.00	
1803-3.08	** PDR ** Platform & Support Stands	14FEB05*	1	14FEB05	382		0.00	1,007.34	
1803-3.12	Safety Review documentation / presentation	01FEB05*	10	14FEB05	382		0.00	2,686.24	
1803-3.081	** FDR ** Platform & Support Stands	28MAR05*	1	28MAR05	353		0.00	1,007.34	
1803-3.110	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	29MAR05	1	29MAR05	353		0.00	0.00	
1803-3.101	Procurement lead time platforms & supports	30MAR05	55	15JUN05	353		0.00	10,073.40	
1803-3.16	FAB - VV suprt stand & misc crane fixtures	03OCT05*	70	18JAN06	277		0.00	19,350.00	
1803-3.16A	FAB -Platform	03OCT05*	70	18JAN06	277		0.00	12,900.00	
1803-3.16B	FAB -MC Installation Metrology sprt stands	03OCT05*	70	18JAN06	277		0.00	6,450.00	
1803-3.11	Procurement Technical Rep	05JUL05*	140	26JAN06	939		0.00	25,794.05	
1803-3.13	Fabrication - follow-up activities	05JUL05*	140	26JAN06	939		0.00	11,018.86	
1803-3.90	Facility Prep-Design	02MAY05*	65	02AUG05	188		0.00	0.00	$34,000
1803-3.99	Facility Prep-Installations/Field mods	03AUG05	40	27SEP05	188		0.00	0.00	$52,000
Final FP Assembly									
1803-4.01	Concept definition and requirements	03OCT05*	5	07OCT05	211		0.00	11,117.60	
1803-4.02	MC Support Stand - model design and drawing deta	10OCT05	15	28OCT05	211		0.00	14,861.04	
1803-4.03	TF HP support turning fixture - model design d	31OCT05	15	18NOV05	211		0.00	14,861.04	
1803-4.04	FP Assembly platform - model design drawing det	21NOV05	15	13DEC05	211		0.00	14,861.04	
1803-4.05	VV Port Alignment/Weldment Fixture - design and	14DEC05	25	25JAN06	211		0.00	14,861.04	
1803-4.06	Metrology - sightline layout design details metr	14DEC05	25	25JAN06	211		0.00	9,907.36	
1803-4.07	Structural / Seismic Analysis check	18NOV05	10	05DEC05	211		0.00	13,697.60	
1803-4.08	PDR Final FP Assy	06DEC05	1	06DEC05	211		0.00	1,369.76	
1803-4.081	FDR Final FP Assy	26JAN06	1	26JAN06	211		0.00	1,369.76	
1803-4.09	Design check and sign-off	27JAN06	5	02FEB06	211		0.00	3,593.28	
1803-4.11	Safety Review documentation / presentation	12JAN06	10	25JAN06	211		0.00	2,739.52	
1803-4.12	Fabrication - follow-up activities	21APR06	65	24JUL06	211		0.00	7,008.32	
1803-4.10A	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	02FEB06	1	02FEB06	211		0.00	0.00	
1803-4.10	Procurement lead time	03FEB06	55	20APR06	211		0.00	4,109.28	
1803-4.13	FAB-MC Support Stands (2)	21APR06*	65	24JUL06	211		0.00	25,800.00	
1803-4.14	FAB-TF HP support & Turning Fixtures (2)	21APR06*	65	24JUL06	238		0.00	19,350.00	
1803-4.15	FAB-FP Assy platforms (2)	21APR06*	65	24JUL06	211		0.00	38,700.00	



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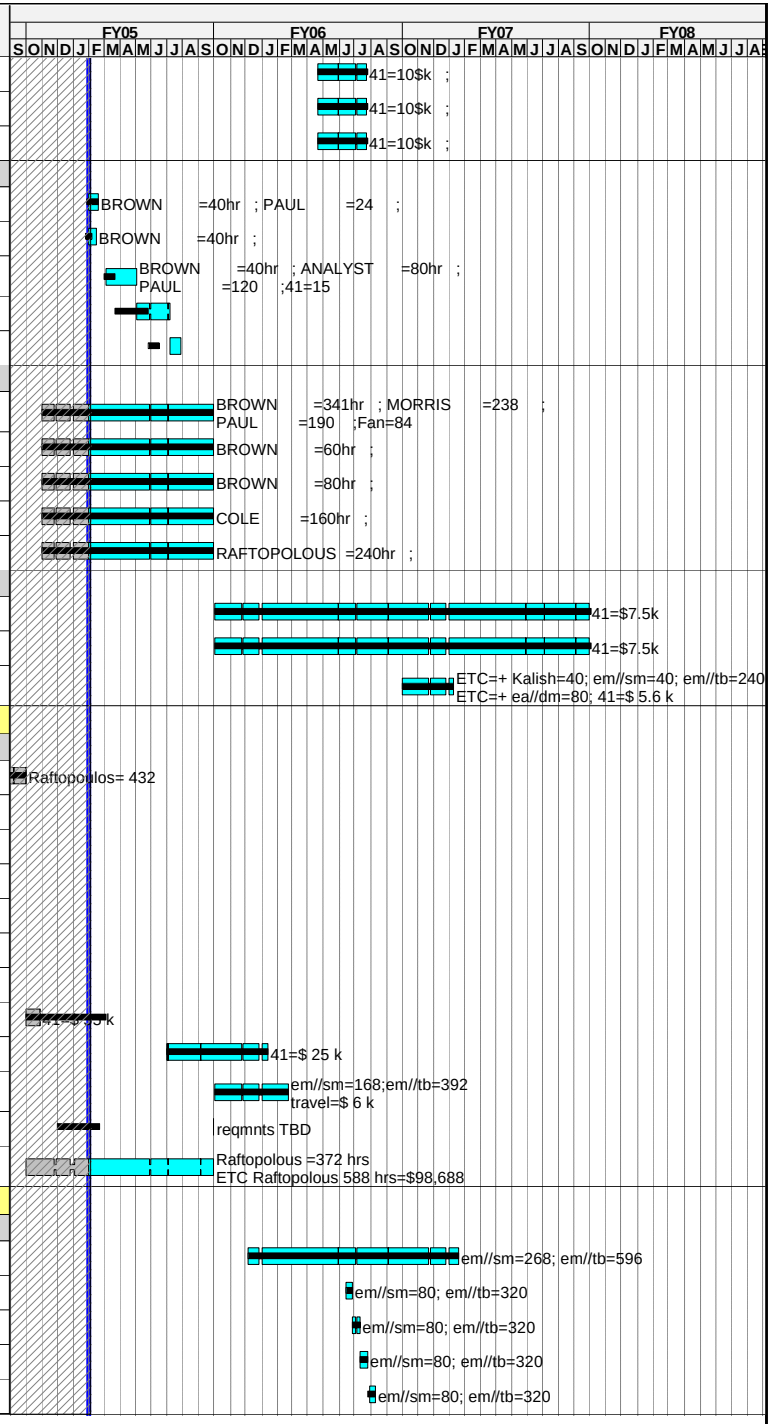
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
1803-4.16	FAB-MC Temporary End Supports (2)	21APR06*	65	24JUL06	211		0.00	12,900.00	
1803-4.17	FAB-Final FP Assy Metrology suprt stands (2)	21APR06*	65	24JUL06	211		0.00	12,900.00	
1803-4.18	FAB-VV Port alignment/weldment fixtures (2)	21APR06*	65	24JUL06	211		0.00	12,900.00	
Interface/Test Activities									
1803-5.01	Finalize TFTR test cell FPA assembly layout draw	01FEB05*	14	18FEB05	1,173		0.00	9,227.20	
1803-5.02	Establish an assembly interface requirements doc	01FEB05*	10	14FEB05	1,074		0.00	6,715.60	
1803-5.03	Develop test components as needed to qualify ass	04MAR05*	43	03MAY05	1,061		0.00	53,539.80	
1803-5.04	Fab - Test Articles	04MAY05*	45	07JUL05	1,061		0.00	0.00	
1803-5.05	Metrology Validation	08JUL05	15	28JUL05	1,061		0.00	0.00	
Oversight									
1803-7.01	Meetings Prep and Reporting	01NOV04A	230*	30SEP05	1,015	LOE	29,268.15	116,143.45	
1803-7.02	Develop and maintain concept definition document	01NOV04A	230*	30SEP05	1,015	LOE	2,538.50	10,073.40	
1803-7.03	Develop and maintain assembly plan document	01NOV04A	230*	30SEP05	1,015	LOE	3,384.66	13,431.20	
1803-7.04	Mike Cole's FY05 on-site involvement in assembly	01NOV04A	230*	30SEP05	1,015	LOE	5,936.72	23,558.40	
1803-8	Metrology Support	01NOV04A	230*	30SEP05	1,015	LOE	10,153.99	40,293.60	
Tooling Design & Fabrication									
713A.040	General procurements	03OCT05*	498	28SEP07	512		0.00	9,806.25	
713A.050	Welding tools, materials & equipt	03OCT05*	498	28SEP07	512		0.00	9,806.25	
713A.060	Instl He gas piping from NSTX to D-site tc	02OCT06*	65	10JAN07	696		0.00	43,287.80	
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS									
Metrology									
740.010	Final Design Measurement systems	19JAN04A	181*	30SEP04A		LOE	69,422.40	69,422.40	
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	76,395.00	76,395.00	
740.050	Purchase- targets [A/9]	01JUL05*	130	12JAN06	944		0.00	34,725.00	
740.020	Facility Prep	03OCT05*	95	22FEB06	915		0.00	60,857.04	
740.035	Deliver Metrology Software	30SEP05*	1	30SEP05	1,010		0.00	0.00	
740.012	Metrology Requirements coordination	01OCT04A	249*	30SEP05	1,010	LOE	19,542.13	62,434.93	$98,688
1808 - TF/Mod Coil Sub-Assembly-VIOLA									
TF Coil Sub-assembly									
722.010	Receive/Inspect TF & PF Coils	07DEC05*	276*	19JAN07	689		0.00	79,114.78	
184-100	Assemble 3 TF coils&structure -Left-Period #1	13JUN06	10	26JUN06	225		0.00	34,838.40	
184-105	Assemble 3 TF coils&structure -Right -Period #1	27JUN06	10	11JUL06	225		0.00	34,838.40	
184-110	Assemble 3 TF coils&structure -Left-Period #2	12JUL06	10	25JUL06	225		0.00	34,838.40	
184-115	Assemble 3 TF coils&structure -Right -Period #2	31JUL06	10	11AUG06	222		0.00	34,838.40	



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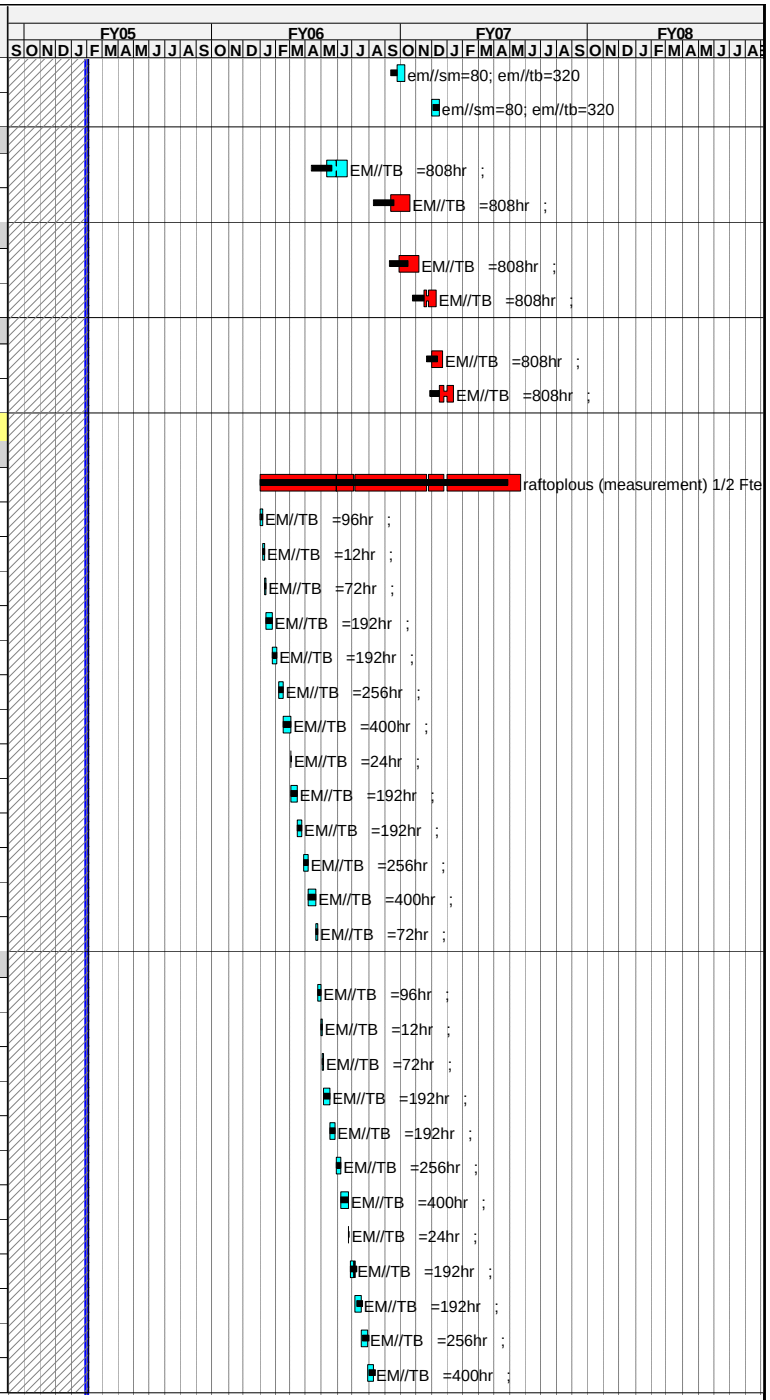
0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
184-120	Assemble 3 TF coils&structure -Left -Period #3	27SEP06	10	10OCT06	191		0.00	36,058.64	
184-125	Assemble 3 TF coils&structure -Right -Period #3	01DEC06	10	14DEC06	156		0.00	36,581.60	
Stage 2 MC subassy FP#1									
S2P1-100	Assemble Mod-Coils a1.b1,c1 FP 1 left	12MAY06	27	20JUN06	169		0.00	65,544.96	
S2P1-200	Assemble Mod-Coils a2.b2,c2 FP 1 right	13SEP06	27	19OCT06	92		0.00	67,245.95	
Stage 2 MC subassy FP#2									
S2P2-100	Assemble Mod-Coils a3.b3,c3 FP 2 left	29SEP06*	27	06NOV06	101		0.00	68,703.94	
S2P2-200	Assemble Mod-Coils a4.b4,c4 FP 2 right *2 shift*	17NOV06	14	08DEC06	88		0.00	68,825.44	
Stage 2 MC subassy FP#3									
S2P3-100	Assemble Mod-Coils a5.b5,c5 FP 3 left*2 shift*	01DEC06	14	20DEC06	101		0.00	68,825.44	
S2P3-200	Assemble Mod-Coils a6.b6,c6 FP 3 right*2 shift*	15DEC06	14	11JAN07	100		0.00	68,825.44	
Job:1810 - Field Period Assembly-VIOLA									
Stage 1 VV Prep FP#1									
S1P1-000	LOE support staff for FP assemblies	03JAN06	350*	21MAY07	88		0.00	298,343.53	
S1P1-101	Receive VV and inspect	03JAN06	4	06JAN06	127		0.00	7,787.52	
S1P1-102	Mount VV on VV Prep fixture (top side up)	09JAN06	1	09JAN06	127		0.00	973.44	
S1P1-103	Establish metrology setting; align VV base	10JAN06	3	12JAN06	127		0.00	5,840.64	
S1P1-106	Attach studs for coolant lines,insulation on top	13JAN06	8	24JAN06	127		0.00	15,575.04	
S1P1-107	Wind magnetic diagnostic sensors to top surface	25JAN06	8	03FEB06	127		0.00	15,575.04	
S1P1-108	Install cooling/htg lines to vac vsl top surface	06FEB06	8	15FEB06	127		0.00	20,766.72	
S1P1-109	Install insulation to vac vsl to top surface	16FEB06	10	01MAR06	127		0.00	32,448.00	
S1P1-110	Flip VV to expose lower surface	02MAR06	1	02MAR06	127		0.00	1,946.88	
S1P1-112	Attach studs for coolant lines, insulation bott	03MAR06	8	14MAR06	127		0.00	15,575.04	
S1P1-113	Wind magnetic diagnostic sensors to bot surface	15MAR06	8	24MAR06	127		0.00	15,575.04	
S1P1-114	Install cooling/htg lines to vac vsl bot surface	27MAR06	8	05APR06	127		0.00	20,766.72	
S1P1-115	Install insulation to vac vsl to bot surface	06APR06	10	19APR06	127		0.00	32,448.00	
S1P1-116	Prepare and transfer completed VV to holding are	20APR06	3	24APR06	127		0.00	5,840.64	
Stage 1 VV Prep FP#2									
S1P2-101	Receive VV and inspect	25APR06	4	28APR06	127		0.00	7,787.52	
S1P2-102	Mount VV on VV Prep fixture (top side up)	01MAY06	1	01MAY06	127		0.00	973.44	
S1P2-103	Establish metrology setting; align VV base	02MAY06	3	04MAY06	127		0.00	5,840.64	
S1P2-106	Attach studs forcoolant lines,insulation on top	05MAY06	8	16MAY06	127		0.00	15,575.04	
S1P2-107	Wind magnetic diagnostic sensors to top surface	17MAY06	8	26MAY06	127		0.00	15,575.04	
S1P2-108	Install cooling/htg lines to vac vsl top surface	30MAY06	8	08JUN06	127		0.00	20,766.72	
S1P2-109	Install insulation to vac vsl to top surface	09JUN06	10	22JUN06	127		0.00	32,448.00	
S1P2-110	Flip VV to expose lower surface	23JUN06	1	23JUN06	127		0.00	1,946.88	
S1P2-112	Attach studs for coolant lines, insulation bott	26JUN06	8	06JUL06	127		0.00	15,575.04	
S1P2-113	Wind magnetic diagnostic sensors to bot surface	07JUL06	8	18JUL06	127		0.00	15,575.04	
S1P2-114	Install cooling/htg lines to vac vsl bot surface	19JUL06	8	28JUL06	127		0.00	20,766.72	
S1P2-115	Install insulation to vac vsl to bot surface	31JUL06	10	11AUG06	127		0.00	32,448.00	



Run Date **15FEB05 15:17**

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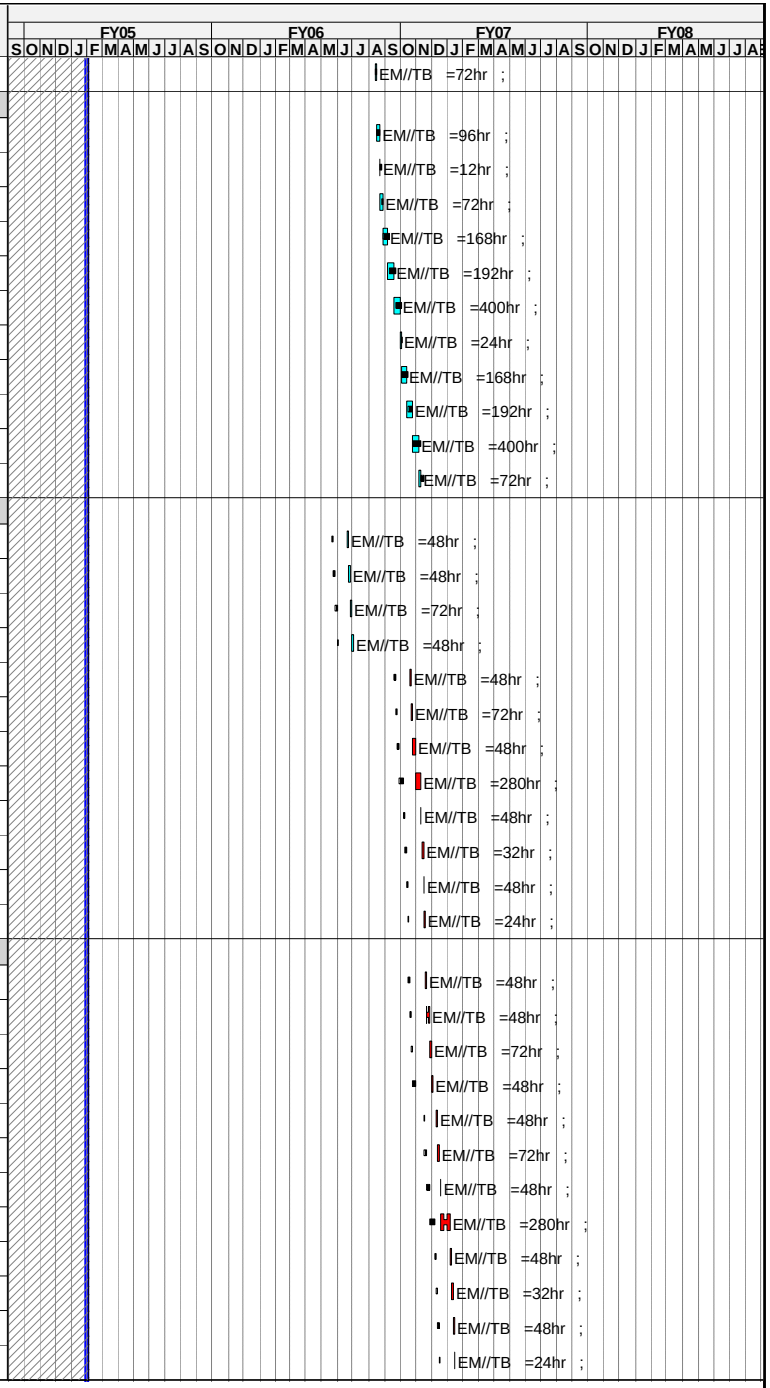
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
S1P2-116	Prepare and transfer completed VV to holding are	14AUG06	3	16AUG06	127		0.00	5,840.64	
Stage 1 VV Prep FP#3									
S1P3-101	Receive VV and inspect	17AUG06	4	22AUG06	127		0.00	7,787.52	
S1P3-102	Mount VV on VV Prep fixture (top side up)	23AUG06	1	23AUG06	127		0.00	973.44	
S1P3-103	Establish metrology setting; align VV base	24AUG06	3	28AUG06	127		0.00	5,840.64	
S1P3-106	Attach studs forcoolant lines,insulation on top	29AUG06	7	06SEP06	127		0.00	13,628.16	
S1P3-107	Install cooling/htg lines to vac vsl top surface	07SEP06	8	18SEP06	127		0.00	15,575.04	
S1P3-108	Install insulation to vac vsl to top surface	19SEP06	10	02OCT06	127		0.00	32,610.40	
S1P3-109	Flip VV to expose lower surface	03OCT06	1	03OCT06	127		0.00	2,044.32	
S1P3-110	Attach studs, coolant lines and insulation on bo	04OCT06	7	12OCT06	127		0.00	14,310.24	
S1P3-112	Attach studs for coolant lines, insulation bott	13OCT06	8	24OCT06	127		0.00	16,354.56	
S1P3-113	Install insulation to vac vsl to bot surface	25OCT06	10	07NOV06	127		0.00	34,072.00	
S1P3-114	Prepare and transfer completed VV to holding are	08NOV06	3	10NOV06	127		0.00	6,132.96	
Stage 3 MC Installation-FP#1									
S3P1-101	Mount VV to MC turning fixt base; metr check	21JUN06	2	22JUN06	169		0.00	3,893.76	
S3P1-102	Mount MC on turning fixt; perform metr checks	23JUN06	2	26JUN06	169		0.00	3,893.76	
S3P1-103	Rotate right MC to stand-off position&chk	27JUN06	3	29JUN06	169		0.00	5,840.64	
S3P1-104	Transfer load to crane and recheck position	30JUN06	2	03JUL06	169		0.00	3,893.76	
S3P1-105	Move MC turning fixt; mount MC on turning fixt	20OCT06	2	23OCT06	92		0.00	4,088.64	
S3P1-106	Rotate left MC to stand-off position and check p	24OCT06	3	26OCT06	92		0.00	6,132.96	
S3P1-107	Move left & right MC to final position & measure	27OCT06	2	30OCT06	92		0.00	4,088.64	
S3P1-108	Install shims (as reqd); ream 24 holes	31OCT06	7	08NOV06	92		0.00	23,850.40	
S3P1-109	Bolt together at flange interface.	09NOV06	2	10NOV06	92		0.00	4,088.64	
S3P1-110	Perform final metrology position check	13NOV06	2	14NOV06	92		0.00	2,725.76	
S3P1-111	Secure VV to MC's using temporary supports.	15NOV06	2	16NOV06	92		0.00	4,088.64	
S3P1-112	Prep& xfr completed assembly to Stage 4 area	17NOV06	1	17NOV06	92		0.00	2,044.32	
Stage 3 MC Installation-FP#2									
S3P2-101	Mount VV to MC turning fixt base; metr check	20NOV06	2	21NOV06	92		0.00	4,088.64	
S3P2-102	Mount MC on turning fixt; perform metr checks	22NOV06	2	27NOV06	92		0.00	4,088.64	
S3P2-103	Rotate right MC to stand-off position&chk	28NOV06	3	30NOV06	92		0.00	6,132.96	
S3P2-104	Transfer load to crane and recheck position	01DEC06	2	04DEC06	92		0.00	4,088.64	
S3P2-105	Move MC turning fixt; mount MC on turning fixt	11DEC06	2	12DEC06	88		0.00	4,088.64	
S3P2-106	Rotate left MC to stand-off position and check p	13DEC06	3	15DEC06	88		0.00	6,132.96	
S3P2-107	Move left & right MC to final position & measure	18DEC06	2	19DEC06	88		0.00	4,088.64	
S3P2-108	Install shims (as reqd); ream 24 holes	20DEC06	7	05JAN07	88		0.00	23,850.40	
S3P2-109	Bolt together at flange interface.	08JAN07	2	09JAN07	88		0.00	4,088.64	
S3P2-110	Perform final metrology position check	10JAN07	2	11JAN07	88		0.00	2,725.76	
S3P2-111	Secure VV to MC's using temporary supports.	12JAN07	2	15JAN07	88		0.00	4,088.64	
S3P2-112	Prep& xfr completed assembly to Stage 4 area	16JAN07	1	16JAN07	88		0.00	2,044.32	



Run Date 15FEB05 15:17

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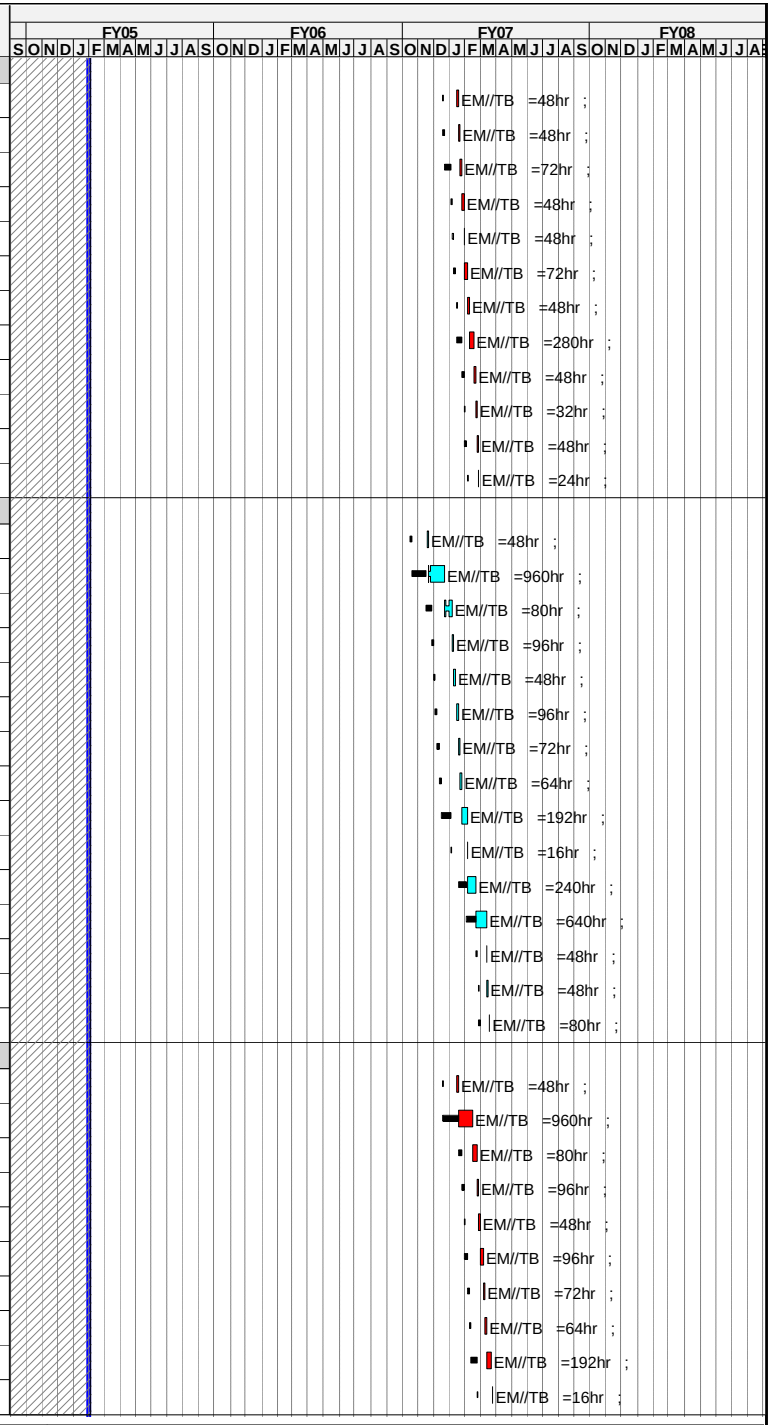
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
Stage 3 MC Installation-FP#3									
S3P3-101	Mount VV to MC turning fixt base; metr check	17JAN07	2	18JAN07	88		0.00	4,088.64	
S3P3-102	Mount MC on turning fixt; perform metr checks	19JAN07	2	22JAN07	88		0.00	4,088.64	
S3P3-103	Rotate right MC to stand-off position&chk	23JAN07	3	25JAN07	88		0.00	6,132.96	
S3P3-104	Transfer load to crane and recheck position	26JAN07	2	29JAN07	88		0.00	4,088.64	
S3P3-105	Move MC turning fixt; mount MC on turning fixt	30JAN07	2	31JAN07	88		0.00	4,088.64	
S3P3-106	Rotate left MC to stand-off position and check p	01FEB07	3	05FEB07	88		0.00	6,132.96	
S3P3-107	Move left & right MC to final position & measure	06FEB07	2	07FEB07	88		0.00	4,088.64	
S3P3-108	Install shims (as reqd); ream 24 holes	08FEB07	7	16FEB07	88		0.00	23,850.40	
S3P3-109	Bolt together at flange interface.	19FEB07	2	20FEB07	88		0.00	4,088.64	
S3P3-110	Perform final metrology position check	21FEB07	2	22FEB07	88		0.00	2,725.76	
S3P3-111	Secure VV to MC's using temporary supports.	23FEB07	2	26FEB07	88		0.00	4,088.64	
S3P3-112	Prep& xfr completed assembly to Stage 4 area	27FEB07	1	27FEB07	88		0.00	2,044.32	
Stage 4 - Final FP Assy FP#1									
S4P1-101	Mount MC/VV assembly to support frame a	20NOV06	2	21NOV06	127		0.00	4,088.64	
S4P1-102	Position and weld all ports to VV	22NOV06	20	21DEC06	127		0.00	81,772.80	
S4P1-103	Inspect Welds	22DEC06	5	05JAN07	127		0.00	6,814.40	
S4P1-104	Assemble left TF Coil Assembly check position	08JAN07	3	10JAN07	127		0.00	8,177.28	
S4P1-105	Change platforms	11JAN07	2	12JAN07	127		0.00	4,088.64	
S4P1-106	Assemble right TF Coil Assembly	15JAN07	3	17JAN07	127		0.00	8,177.28	
S4P1-107	Attach TF coils to MC's	18JAN07	3	22JAN07	127		0.00	6,132.96	
S4P1-108	Change platforms	23JAN07	2	24JAN07	127		0.00	5,451.52	
S4P1-109	Position, weld two large horizontal diag ports	25JAN07	8	05FEB07	127		0.00	16,354.56	
S4P1-110	Inspect Welds	06FEB07	1	06FEB07	127		0.00	1,362.88	
S4P1-111	Assemble external trim coils to TF Coil	07FEB07	10	20FEB07	127		0.00	20,443.20	
S4P1-112	Close up VV, bakeout 350 deg C, leak check	21FEB07	20	12MAR07	178		0.00	54,515.20	
S4P1-113	Adjust final support base interfaces	13MAR07	2	14MAR07	127		0.00	4,088.64	
S4P1-114	Prepare Field Period for shipment	15MAR07	2	16MAR07	127		0.00	4,088.64	
S4P1-115	Transfer completed assy to C-site test cell	19MAR07	2	20MAR07	127		0.00	6,814.40	
Stage 4 - Final FP Assy FP#2									
S4P2-101	Mount MC/VV assembly to support frame a	17JAN07	2	18JAN07	103		0.00	4,088.64	
S4P2-102	Position and weld all ports to VV	19JAN07	20	15FEB07	103		0.00	81,772.80	
S4P2-103	Inspect Welds	16FEB07	5	22FEB07	103		0.00	6,814.40	
S4P2-104	Assemble left TF Coil Assembly check position	23FEB07	3	27FEB07	103		0.00	8,177.28	
S4P2-105	Change platforms	28FEB07	2	01MAR07	103		0.00	4,088.64	
S4P2-106	Assemble right TF Coil Assembly	02MAR07	3	06MAR07	103		0.00	8,177.28	
S4P2-107	Attach TF coils to MC's	07MAR07	3	09MAR07	103		0.00	6,132.96	
S4P2-108	Change platforms	12MAR07	2	13MAR07	103		0.00	5,451.52	
S4P2-109	Position, weld two large horizontal diag ports	14MAR07	8	23MAR07	103		0.00	16,354.56	
S4P2-110	Inspect Welds	26MAR07	1	26MAR07	103		0.00	1,362.88	



Run Date 15FEB05 15:17

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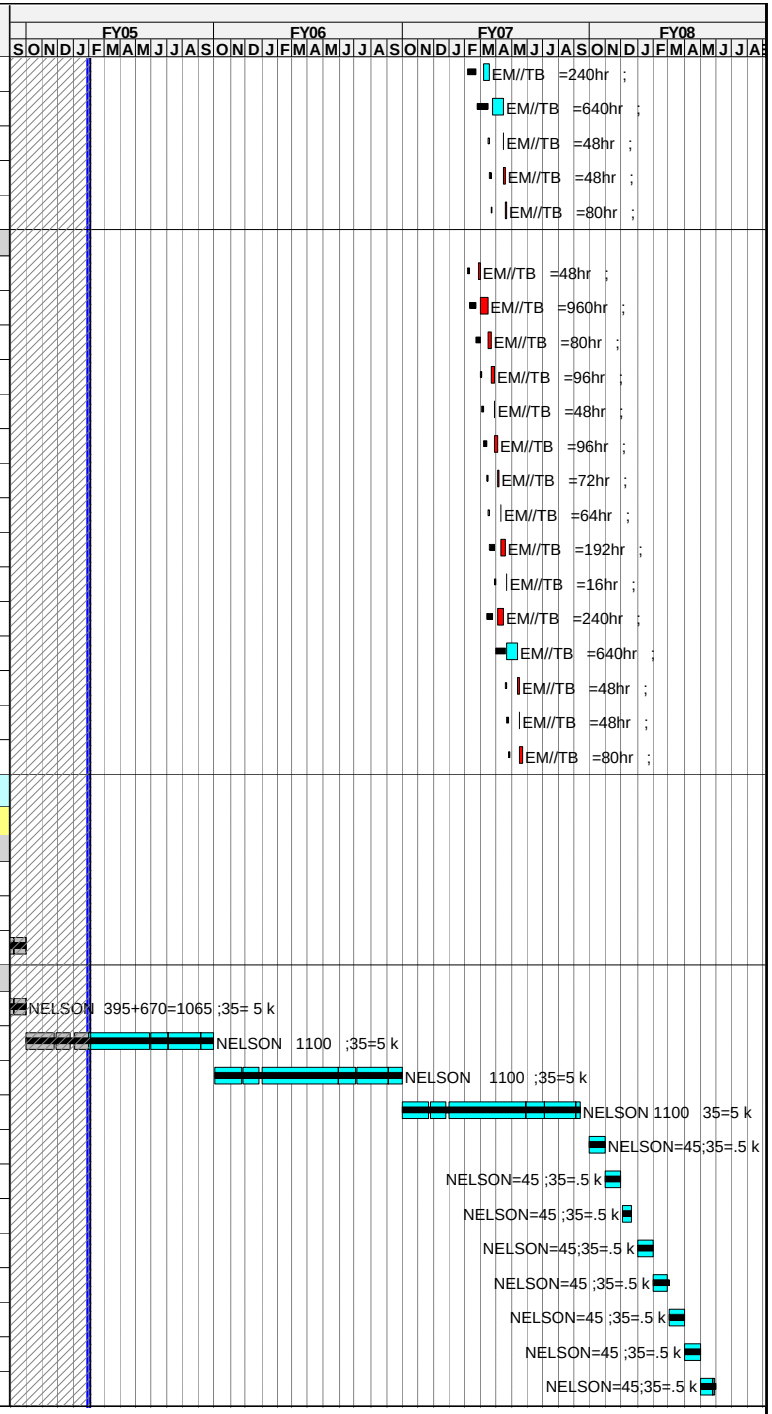
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
S4P2-111	Assemble external trim coils to TF Coil	07MAR07	10	20MAR07	107		0.00	20,443.20	
S4P2-112	Close up VV, bakeout 350 deg C, leak check	27MAR07	20	15APR07	144		0.00	54,515.20	
S4P2-113	Adjust final support base interfaces	16APR07	2	17APR07	103		0.00	4,088.64	
S4P2-114	Prepare Field Period for shipment	18APR07	2	19APR07	103		0.00	4,088.64	
S4P2-115	Transfer completed assy to C-site test cell	20APR07	2	23APR07	103		0.00	6,814.40	
Stage 4 - Final FP Assy FP#3									
S4P3-101	Mount MC/VV assembly to support frame a	28FEB07	2	01MAR07	88		0.00	4,088.64	
S4P3-102	Position and weld all ports to VV*2 shift*	02MAR07	10	15MAR07	88		0.00	81,772.80	
S4P3-103	Inspect Welds	16MAR07	5	22MAR07	88		0.00	6,814.40	
S4P3-104	Assemble left TF Coil Assembly check position	23MAR07	3	27MAR07	88		0.00	8,177.28	
S4P3-105	Change platforms	28MAR07	2	29MAR07	88		0.00	4,088.64	
S4P3-106	Assemble right TF Coil Assembly	30MAR07	3	03APR07	88		0.00	8,177.28	
S4P3-107	Attach TF coils to MC's	04APR07	3	06APR07	88		0.00	6,132.96	
S4P3-108	Change platforms	09APR07	2	10APR07	88		0.00	5,451.52	
S4P3-109	Position, weld two large horizontal diag ports	11APR07	8	20APR07	88		0.00	16,354.56	
S4P3-110	Inspect Welds	23APR07	1	23APR07	88		0.00	1,362.88	
S4P3-111	Assemble external trim coils to TF Coil	04APR07	10	17APR07	92		0.00	20,443.20	
S4P3-112	Close up VV, bakeout 350 deg C, leak check	24APR07	20	13MAY07	123		0.00	54,515.20	
S4P3-113	Adjust final support base interfaces	14MAY07	2	15MAY07	88		0.00	4,088.64	
S4P3-114	Prepare Field Period for shipment	16MAY07	2	17MAY07	88		0.00	4,088.64	
S4P3-115	Transfer completed assy to C-site test cell	18MAY07	2	21MAY07	88		0.00	6,814.40	
19 - Stellarator Core Management and Integration									
Job: 1901 - Stellarator Core Mngtt&Integr-NELSON									
0000									
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	145,699.85	145,699.85	
0191-5	LOE-FY05 WBS 191	01OCT04A	249*	30SEP05	1,010	LOE	53,414.70	170,654.00	
0191-6	LOE-FY06 WBS 191	03OCT05*	250*	02OCT06	526	LOE	0.00	170,673.65	
0191-6X	LOE-FY07 WBS 191	03OCT06*	234	10SEP07	526	LOE	0.00	179,301.00	
0191-91	LOE-FY06 WBS 191 1 mo SO	01OCT07*	22	30OCT07	346	LOE	0.00	7,877.20	
0191-92	LOE-FY06 WBS 191 1 mo SO	31OCT07*	21	28NOV07	346	LOE	0.00	7,877.20	
0191-93	LOE-FY06 WBS 191 1 mo SO	03DEC07*	15	21DEC07	346	LOE	0.00	7,877.20	
0191-94	LOE-FY06 WBS 191 1 mo SO	01JAN08*	22	30JAN08	346	LOE	0.00	7,877.20	
0191-95	LOE-FY06 WBS 191 1 mo SO	31JAN08*	22	29FEB08	346	LOE	0.00	7,877.20	
0191-96	LOE-FY06 WBS 191 1 mo SO	03MAR08*	22	01APR08	346	LOE	0.00	7,877.20	
0191-97	LOE-FY06 WBS 191 1 mo SO	02APR08*	21	30APR08	346	LOE	0.00	7,877.20	
0191-98	LOE-FY06 WBS 191 1 mo SO	01MAY08*	21	30MAY08	346	LOE	0.00	7,877.20	



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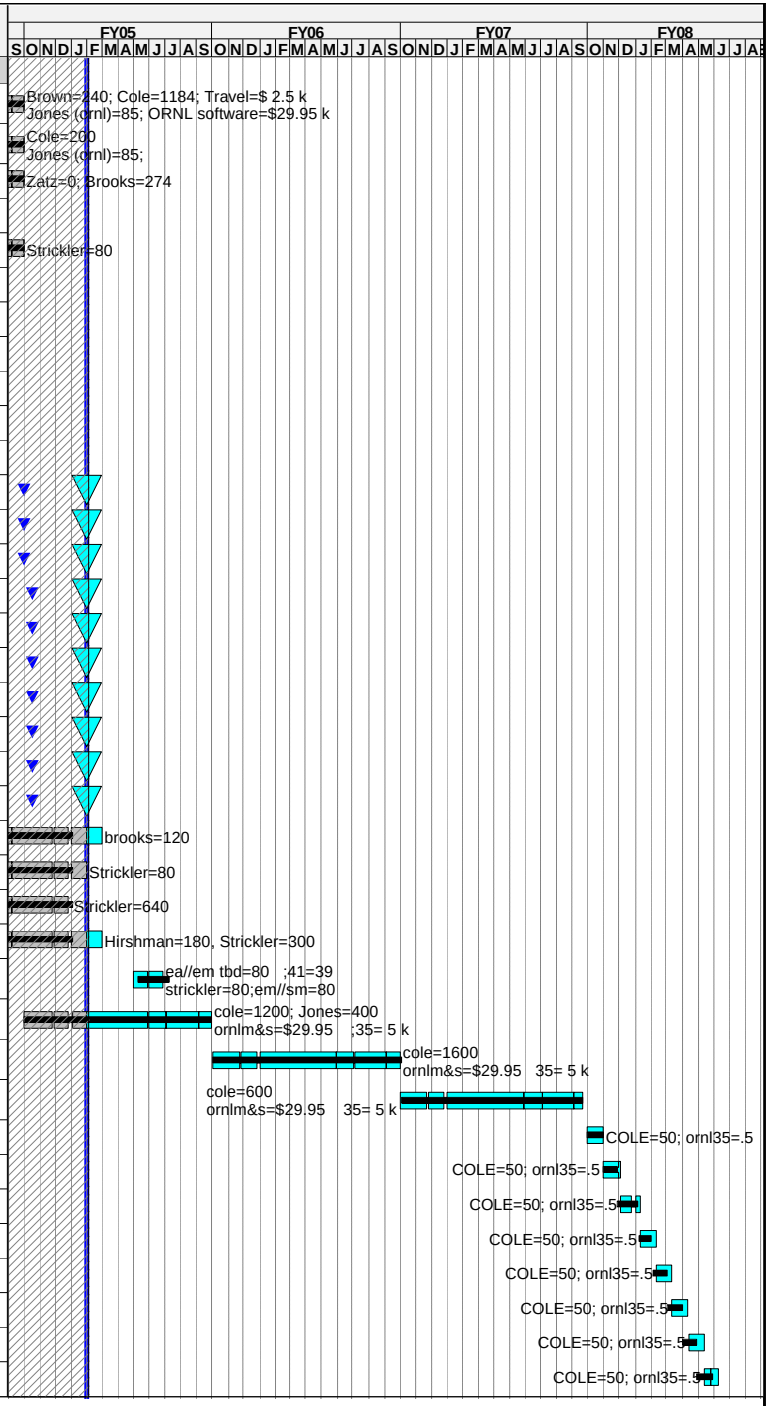
- december status
- xECP21
- Progress Bar
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
192 - Stellarator Core Integration & Analysis									
192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	250*	30SEP04A		LOE	247,798.66	247,798.66	
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	44,031.80	44,031.80	
192-6.07	Time constant calcs using SPARK	01APR04A	42*	28MAY04A		100	6,428.00	6,428.00	
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	3,214.00	3,214.00	
192-6.10	MC interf during assly, geometry, assly trajecto	02FEB04A	31	27FEB04A		100	34,073.60	34,073.60	
192-6.11	Range of motion reqts for Assly MC fixture.	02FEB04A	20	27FEB04A		100	18,003.60	18,003.60	
192-6.12	Final Check & Verification	01MAY04A	6	28MAY04A		100	3,856.80	3,856.80	
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	31JAN05*	1,181	100	0.00	0.00	
192-4.2	Self consistent models/dwgs Conv Coils&sprt strc		0	31JAN05*	1,181		0.00	0.00	
192-4.4	Stellarator Core Assy dwgs & assy sequence		0	31JAN05*	1,181		0.00	0.00	
192-5.1	\VV Helium Line Models		0	31JAN05*	1,181		0.00	0.00	
192-5.2	Mod Coil LN2 Lines Layouts		0	31JAN05*	1,181		0.00	0.00	
192-5.3	Mod Coil Leads Layouts		0	31JAN05*	1,181		0.00	0.00	
192-5.4	PF Coil Leads & Services Layouts		0	31JAN05*	1,181		0.00	0.00	
192-5.5	TF Coil leads & Services Layouts		0	31JAN05*	1,181		0.00	0.00	
192-5.6	External Trim Coil Leads /services Layouts		0	31JAN05*	1,181		0.00	0.00	
192-6.3	Best fit for mod coil assy on winding measuremen		0	31JAN05*	1,181		0.00	0.00	
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	250	28FEB05	1,167	95	18,601.33	19,580.35	
192-6.02	Check critical coil tolerance calculations.	01APR04A	207*	31JAN05A		100	10,861.56	10,861.56	
192-6.03	Method for determining current center	01FEB04A	234*	30DEC04A		100	85,368.48	85,368.48	
192-6.06	Coil positions to minimize islands.	02FEB04A	270	28FEB05	1,167	70	45,209.40	64,584.86	
192-6.031	Demo Method for current center on TRC	02MAY05	40	27JUN05	1,083		0.00	88,519.19	
0192-5	LOE-FY05 WBS 192	01OCT04A	249*	30SEP05	1,010	LOE	88,075.28	281,390.65	
0192-6	LOE-FY06 WBS 192	03OCT05*	250	02OCT06	518	LOE	0.00	278,659.05	
0192-6X	LOE-FY06 WBS 192	03OCT06*	242	20SEP07	518	LOE	0.00	141,654.75	
0192-91	LOE-F1 mo SO	01OCT07*	22	30OCT07	338	LOE	0.00	8,285.04	
0192-92	LOE-F1 mo SO	31OCT07*	22	03DEC07	338	LOE	0.00	8,285.04	
0192-93	LOE-F1 mo SO	04DEC07*	22	10JAN08	338	LOE	0.00	8,285.04	
0192-94	LOE-F1 mo SO	11JAN08*	22	11FEB08	338	LOE	0.00	8,285.04	
0192-95	LOE-F1 mo SO	12FEB08*	22	12MAR08	338	LOE	0.00	8,285.04	
0192-96	LOE-F1 mo SO	13MAR08*	22	11APR08	338	LOE	0.00	8,285.04	
0192-97	LOE-F1 mo SO	14APR08*	21	12MAY08	338	LOE	0.00	8,285.04	
0192-98	LOE-F1 mo SO	13MAY08*	21	11JUN08	338	LOE	0.00	8,285.04	



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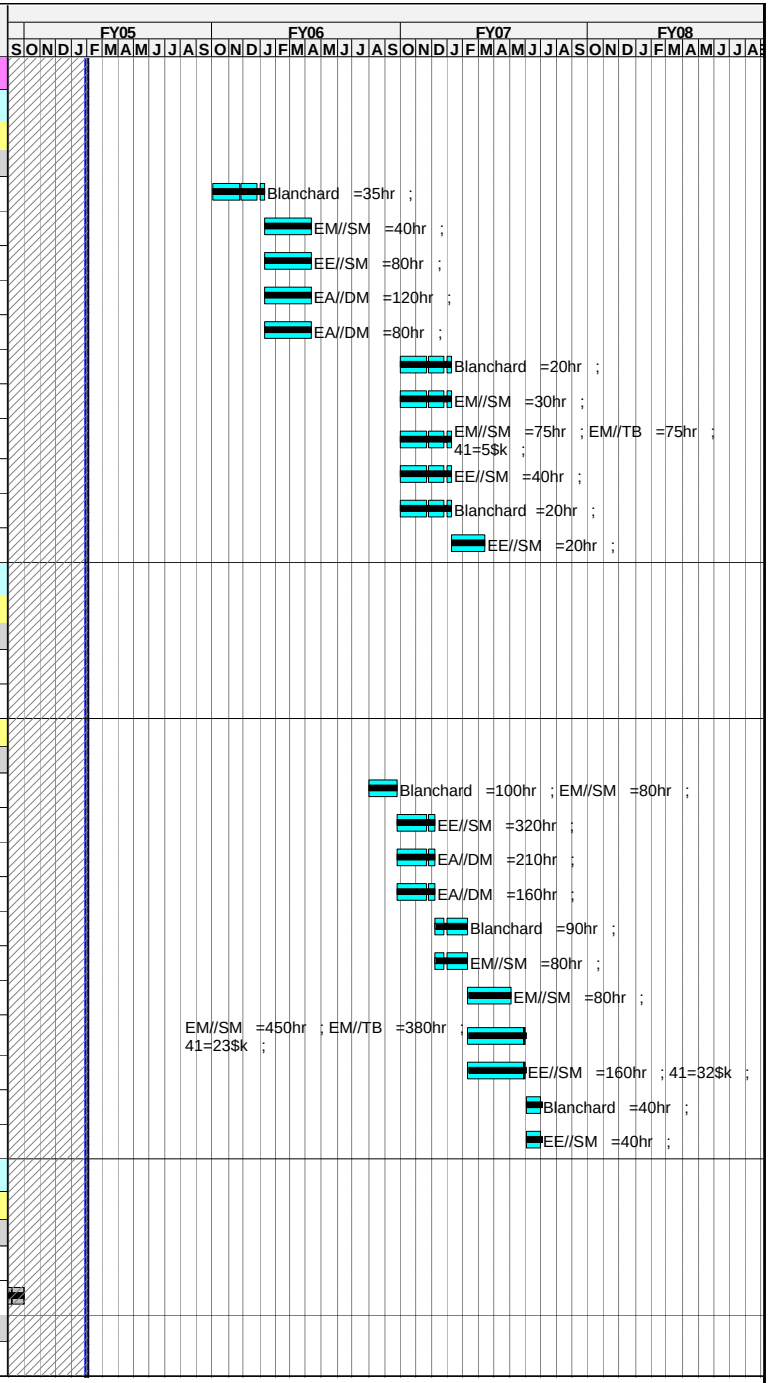
december status
xECP21
Progress Bar
Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
2 - Plasma Heating, Fueling & Vac Systems									
21 - Fueling Systems									
ECP 16 October 2004									
21-10	Eng. Work Planning and Design	03OCT05*	65	11JAN06	310		0.00	5,978.00	
21-15	Design Gas Handling Hardware	12JAN06	65	12APR06	310		0.00	4,440.00	
21-20	Design PLC Controls	12JAN06*	65	12APR06	310		0.00	9,247.20	
21-25	Electrical Drafting for pumping system	12JAN06*	65	12APR06	310		0.00	12,806.40	
21-30	Drafting	12JAN06*	65	12APR06	310		0.00	8,537.60	
21-35	Eng. Work Planning and Design during fab	02OCT06*	65	10JAN07	190		0.00	3,586.80	
21-40	Fabrication/Install Hardware	02OCT06*	65	10JAN07	190		0.00	3,496.50	
21-45	Fabrication/installation	02OCT06*	65	10JAN07	190		0.00	21,754.75	
21-55	Install PLC Controls	02OCT06*	65	10JAN07	190		0.00	4,854.80	
21-60	Integrated Systems Testing/Eng	02OCT06*	65	10JAN07	190		0.00	3,586.80	
21-65	Integrated Systems Testing/Tech Support	11JAN07*	45	14MAR07	190		0.00	2,427.40	
22 - Torus Vacuum Pumping Systems									
Job: 2001-VPS,Gas& Cond Sys Oversight-BLANCHARD									
0000									
2001-001	Apr-May MIE Cost	01APR03A	43*	30MAY03A		100	35,300.00	35,300.00	
2001-100	PDR Support	01JUN03A	164*	30SEP03A		LOE	24,896.00	24,896.00	
22-25	Eng. Work Planning and Design	01AUG06*	40	25SEP06	121		0.00	25,960.00	
22-30	Design PLC based control system	26SEP06*	50	06DEC06	161		0.00	38,690.43	
22-35	Electrical Drafting for pumping system	26SEP06*	50	06DEC06	181		0.00	23,442.89	
22-40	Drafting	26SEP06*	50	06DEC06	121		0.00	17,861.25	
22-45	Eng. Work Planning and Design during fab	07DEC06*	40	08FEB07	141		0.00	16,140.60	
22-50	Perform maint. & repair of pmpg sys	07DEC06*	40	08FEB07	121		0.00	9,324.00	
22-55	Repair and Calibration of vac instrumentation	09FEB07*	60	03MAY07	141		0.00	9,324.00	
22-60	Fabrication/installation	09FEB07*	80	01JUN07	121		0.00	115,290.90	
22-65	Fab PLC conrols	09FEB07*	80	01JUN07	121		0.00	61,819.20	
22-70	Integrated Systems Testing/Eng	04JUN07*	20	29JUN07	121		0.00	7,173.60	
22-75	Integrated Systems Testing/Tech Support	04JUN07*	20	29JUN07	121		0.00	4,854.80	
25 - Neutral Beam Injection System									
Job: 2501 - Neutral Beam Refurbishment-STEVENSON									
FY04 Work Plan									
2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A			81,371.26	81,371.26	
2501-014.1	FY04 work closeout *TBD*	01JUL04A	64*	30SEP04A		LOE	49,247.90	49,247.90	
0000									
2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	146,310.00	146,310.00	



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- xECP21
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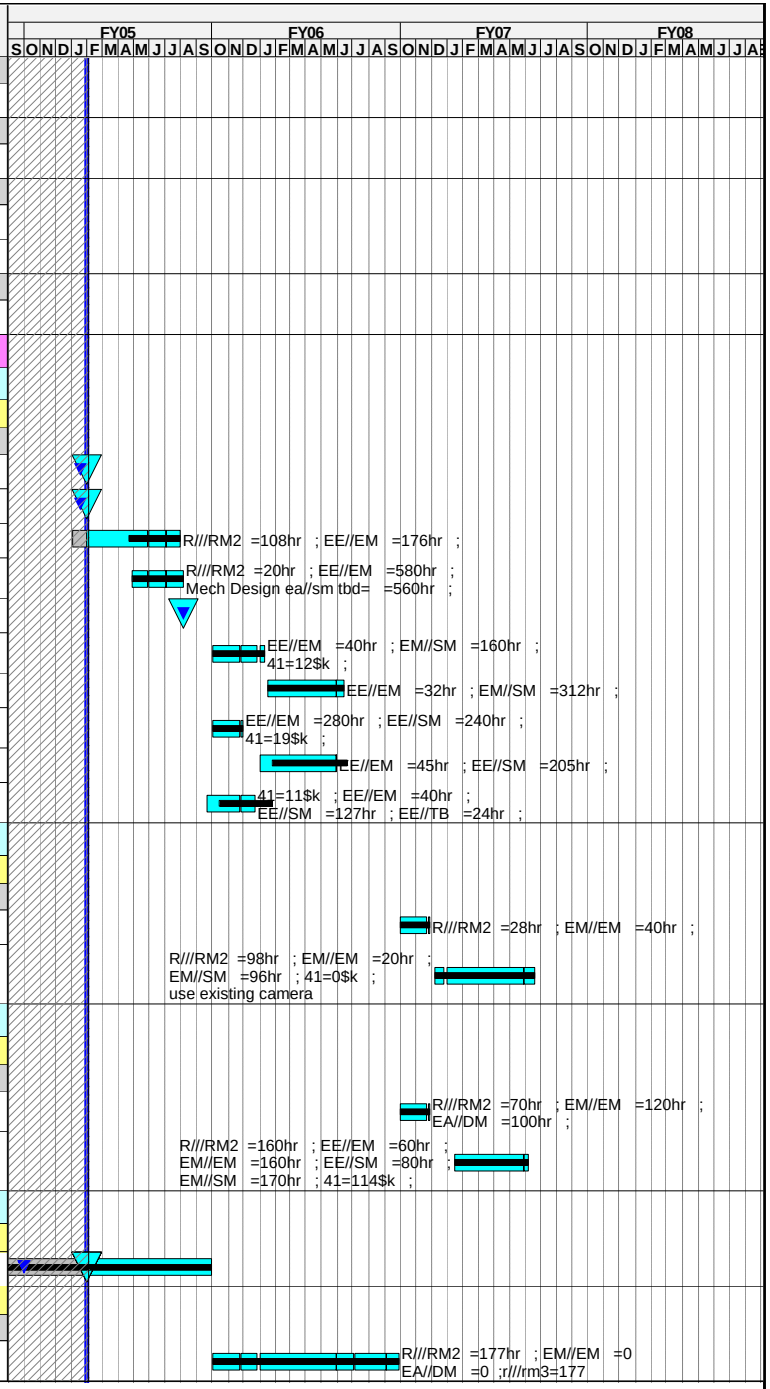
- Critical Activity

0501

NCSX
ECP 21
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
RefurbishmentCD-3 deleted scope**									
25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A			21,771.60	21,771.60	
Re-Install BeamlineCD-3 deleted scope**									
25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A			2,076.05	2,076.05	
Re-Install CablesCD-3 deleted scope**									
25-225.1	Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A			4,845.00	4,845.00	
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A			736.80	736.80	
Beamline ConnectionsCD-3 deleted scope**									
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A			2,524.80	2,524.80	
3 - Diagnostics									
31 - Magnetic Diagnostics									
Job: 3101 Magnetic Diagnostics									
310-005	Finalize Loop Geometry		0	31JAN05*	909		0.00	0.00	
310-006	Magnetics CDR		0	31JAN05*	329		0.00	0.00	
310-010	Design Mag Diagnostics	04JAN05A	147*	29JUL05	909		3,477.18	45,197.16	
310-020	Design other ex-vessel sensors	29APR05*	69	05AUG05	266		0.00	155,621.00	
310-011	Mag diag and Coil Sensor FDR		0	05AUG05	904		0.00	0.00	
310-025	Procure matl for ex-vsl sensors	03OCT05*	65	11JAN06	227		0.00	39,290.90	
310-026	Install ex-vessel sensors on coils	16JAN06*	105	12JUN06	225		0.00	39,916.48	
310-015	Fabricate Magnetics	03OCT05*	40	29NOV05	865		0.00	65,591.80	
310-016	Install terminal boxes and terminate	03JAN06*	105	30MAY06	847		0.00	31,127.25	
310-030	Design & Fab Magnetic integrators	22SEP05*	65	23DEC05	952		0.00	37,138.36	
36 - Edge and Divertor Diagnostics									
361-001	Design Visible Camera sys	02OCT06*	40	28NOV06	128		0.00	11,821.60	
361-015	Fab/Assy/Installation Visible Camera	08DEC06*	130	18JUN07	121		0.00	31,043.60	
38 - Electron Beam (EB) Mapping									
380-010	Designe-Beam Probe,Fluor. Screen	02OCT06*	40	28NOV06	156		0.00	44,346.80	
380-015	Fab & Install Beam probe	15JAN07*	102	06JUN07	129		0.00	246,231.50	
39 - Diagnostics Integration									
+ Job: 3901 - Diagnostics sys Integration-JOHNSON									
		01APR03A	627	30SEP05	1,010		254,538.62	300,774.21	
390-020	LOE Support FY06	03OCT05*	249*	29SEP06	761		0.00	68,631.75	



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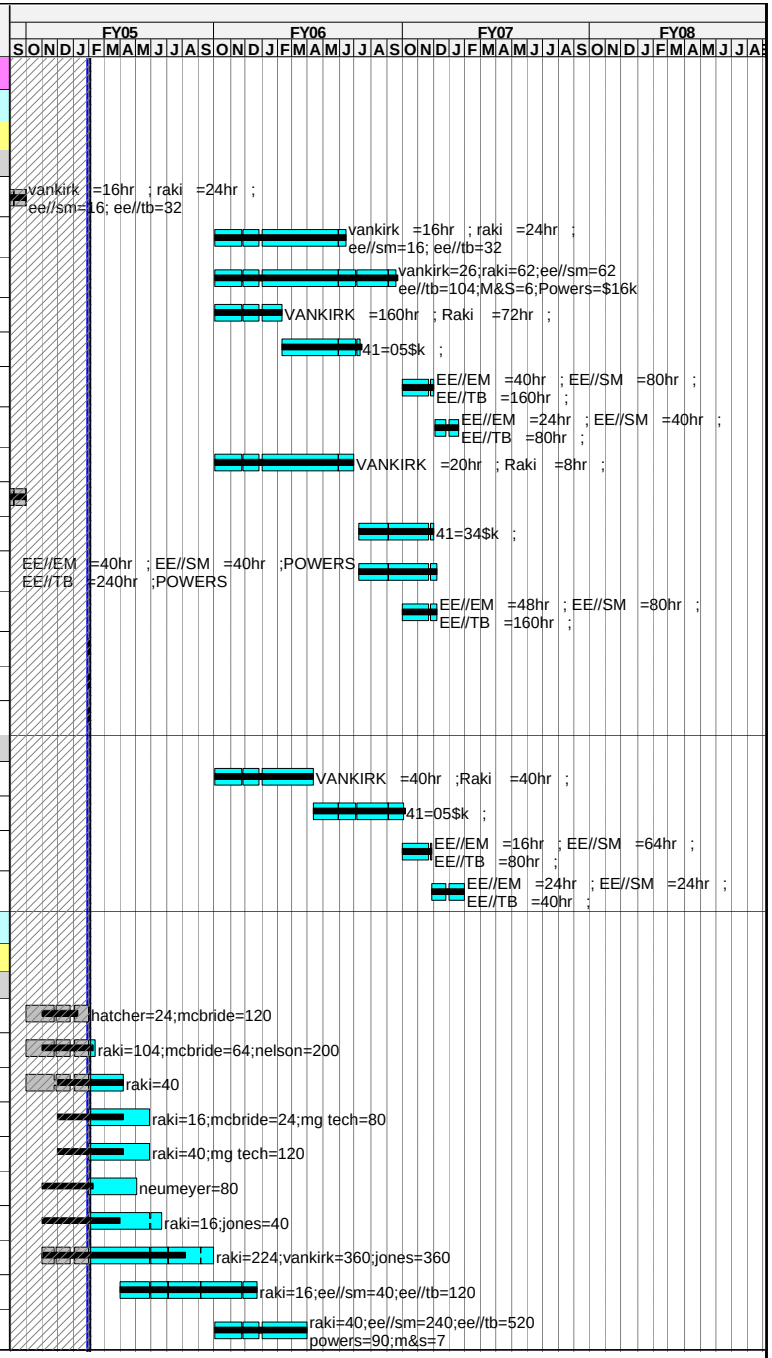
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
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	8,496.72	8,496.72	
4101-100.1	Prepare Preliminary One line diagram	03OCT05*	173	13JUN06	837		0.00	1,007.93	
411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	03OCT05*	241	19SEP06	769		0.00	56,876.86	
411-2-2	Grounding-Dsn	03OCT05*	86	09FEB06	325		0.00	28,965.28	
411-2-4	Grounding-Procure	10FEB06*	107	12JUL06	325		0.00	6,450.00	
411-2-6	Grounding-Install	02OCT06*	43	01DEC06	226		0.00	63,205.80	
411-2-8	Grounding-Commission	04DEC06*	29	19JAN07	226		0.00	15,734.00	
411-3-2	Test Cell AC Power Distr-Dsn	03OCT05*	186	30JUN06	361		0.00	3,455.52	
411-3-2.04	Test Cell AC Power fy04	01APR04A	186*	30SEP04A		100	148,730.00	148,730.00	
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfrmrs)	10JUL06*	101	30NOV06	256		0.00	44,354.85	
411-3-6	Test Cell AC Power Distr-Install	10JUL06*	104	05DEC06	253		0.00	31,080.38	
411-3-8	Test Cell AC Power Distr-Commission	02OCT06*	45	05DEC06	253		0.00	31,468.00	
411-4-2	Standby Power for Cryo Sys -Dsn	01FEB05	0	31JAN05	1,181		0.00	0.00	
411-4-4	Standby Power for Cryo Sys -Procure	01FEB05	0	31JAN05	1,181		0.00	0.00	
411-4-6	Standby Power for Cryo Sys -Install	01FEB05	0	31JAN05	1,181		0.00	0.00	
412 - Experimental AC Power Systems									
412-1-2	D-site Pulsed AC Power Distr-Dsn	03OCT05*	128	10APR06	231		0.00	10,874.40	
412-1-4	D-site Pulsed AC Power Distr-Procure	11APR06	125	05OCT06	231		0.00	6,455.60	
412-1-6	D-site Pulsed AC Power Distr-Install	02OCT06*	40	28NOV06	195		0.00	17,259.68	
412-1-8	D-site Pulsed AC Power Distr-Commission	29NOV06	40	31JAN07	195		0.00	10,433.28	
43 - DC Systems									
Job: 4301 - DC Systems-RAMAKRISHNAN									
431 - C-Site DC Systems									
431-200	Condition/spare parts inventory	01OCT04A	78*			80	13,989.89	17,487.36	
431-210	Organize & verify documentation	01OCT04A	86*	10FEB05	1,173	55	24,764.04	45,025.52	
431-215	Document status	01OCT04A	125*	06APR05	1,134	10	647.76	6,477.60	
431-225	Reactivate DF & PEI units	01FEB05*	84	27MAY05	1,097		0.00	11,584.80	
431-230	Load	01FEB05*	84	27MAY05	1,097		0.00	15,888.00	
431-240	Simulate each of 6 pwr loops in PSCAD	01FEB05*	65	02MAY05	1,116		0.00	12,955.20	
431-250	c-site dc sys DGS dsn documentation	01FEB05*	100	21JUN05	1,081		0.00	6,777.04	
431-260	Power loop design	01NOV04A	228*	30SEP05	1,010	15	16,743.38	111,622.56	
431-265	Fabricate bus components	01APR05*	185	22DEC05	953		0.00	16,635.86	
431-275	Power cabling & Installation	03OCT05*	121	30MAR06	448		0.00	201,061.60	



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- december status
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NCSX
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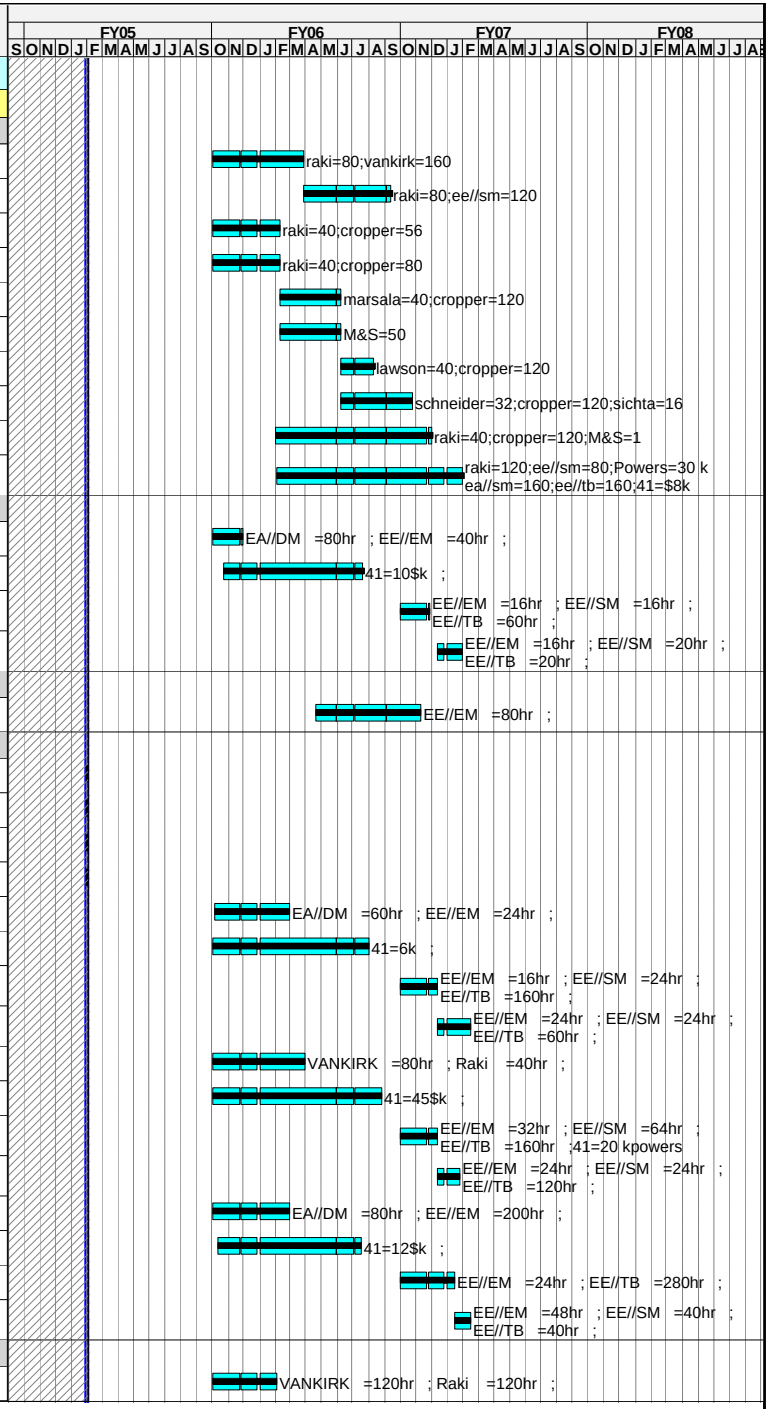
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
44 - Control and protection Systems									
Job: 4401 - Control & Protection-RAMAKRISHNAN									
441 - Electrical Interlocks									
441-095	Design Interlock sys	03OCT05*	118	27MAR06	332		0.00	30,286.40	
441-097	Install Interlock sys	28MAR06	119	13SEP06	332		0.00	27,082.00	
441-100	PLC Specification	03OCT05*	85	08FEB06	743		0.00	13,078.64	
441-105	Prep Block diagrams	03OCT05*	85	08FEB06	925		0.00	15,852.80	
441-110	PLC CWD's & Cabling	09FEB06*	85	08JUN06	743		0.00	20,476.40	
441-115	deliver PLC	09FEB06*	85	08JUN06	840		0.00	64,500.00	
441-120	Program PLC Logic	09JUN06*	45	11AUG06	795		0.00	20,476.40	
441-125	Program Control pages	09JUN06*	97	25OCT06	743		0.00	21,797.13	
441-130	Pre-commissioning tests	31JAN06*	214	01DEC06	718		0.00	21,979.19	
441-135	Install I/O Cabling	03FEB06*	248	31JAN07	681		0.00	109,334.39	
442 - Kirk Key Interlocks									
442-1-2	Kirk Keys-Dsn	03OCT05*	41	30NOV05	403		0.00	15,143.20	
442-1-4	Kirk Keys-Procure	24OCT05*	185	21JUL06	244		0.00	12,900.00	
442-1-6	Kirk Keys-Install	02OCT06*	40	28NOV06	195		0.00	42,879.52	
442-1-8	Kirk Keys-Commission	13DEC06	30	31JAN07	195		0.00	6,881.20	
443 - Real Time Control Systems									
443-1-2	Develop Control Algorithms-Dsn	21APR06*	142	09NOV06	221		0.00	13,346.15	
444 - Instrument Systems									
444-1-2	DC Current Transducers (DCCTs)-Dsn	01FEB05	0	31JAN05	1,181		0.00	0.00	
444-1-4	DC Current Transducers (DCCTs)-Procure	01FEB05	0	31JAN05	1,181		0.00	0.00	
444-1-6	DC Current Transducers (DCCTs)-Install	01FEB05	0	31JAN05	1,181		0.00	0.00	
444-1-8	DC Current Transducers (DCCTs)-Commission	01FEB05	0	31JAN05	1,181		0.00	0.00	
444-2-2	DC Potential Transducers (DCPTs)-Dsn	07OCT05*	95	28FEB06	820		0.00	10,366.56	
444-2-4	DC Potential Transducers (DCPTs)-Procure	03OCT05*	207	01AUG06	743		0.00	7,740.00	
444-2-6	DC Potential Transducers (DCPTs)-Install	02OCT06*	51	13DEC06	670		0.00	19,122.48	
444-2-8	DC Potential Transducers (DCPTs)-Commission	14DEC06	40	15FEB07	670		0.00	12,112.68	
444-3-2	DC Shunts-Dsn	03OCT05*	122	31MAR06	813		0.00	15,143.20	
444-3-4	DC Shunts-Procure	03OCT05*	224	24AUG06	742		0.00	58,050.00	
444-3-6	DC Shunts-Install	02OCT06*	51	13DEC06	686		0.00	53,251.68	
444-3-8	DC Shunts-Commission	14DEC06*	24	24JAN07	686		0.00	17,150.88	
444-4-2	Signal Conditioning & Cabling-Dsn	03OCT05*	99	28FEB06	821		0.00	41,565.60	
444-4-4	Signal Conditioning & Cabling-Procure	13OCT05*	188	17JUL06	705		0.00	15,480.00	
444-4-6	Signal Conditioning & Cabling-Install	02OCT06*	68	15JAN07	671		0.00	27,673.20	
444-4-8	Signal Conditioning & Cabling-Commission	16JAN07	22	14FEB07	671		0.00	16,536.80	
445 - Coil Protection Systems									
445-1-2	Ground Fault Protection-Dsn	03OCT05*	82	03FEB06	362		0.00	32,623.20	



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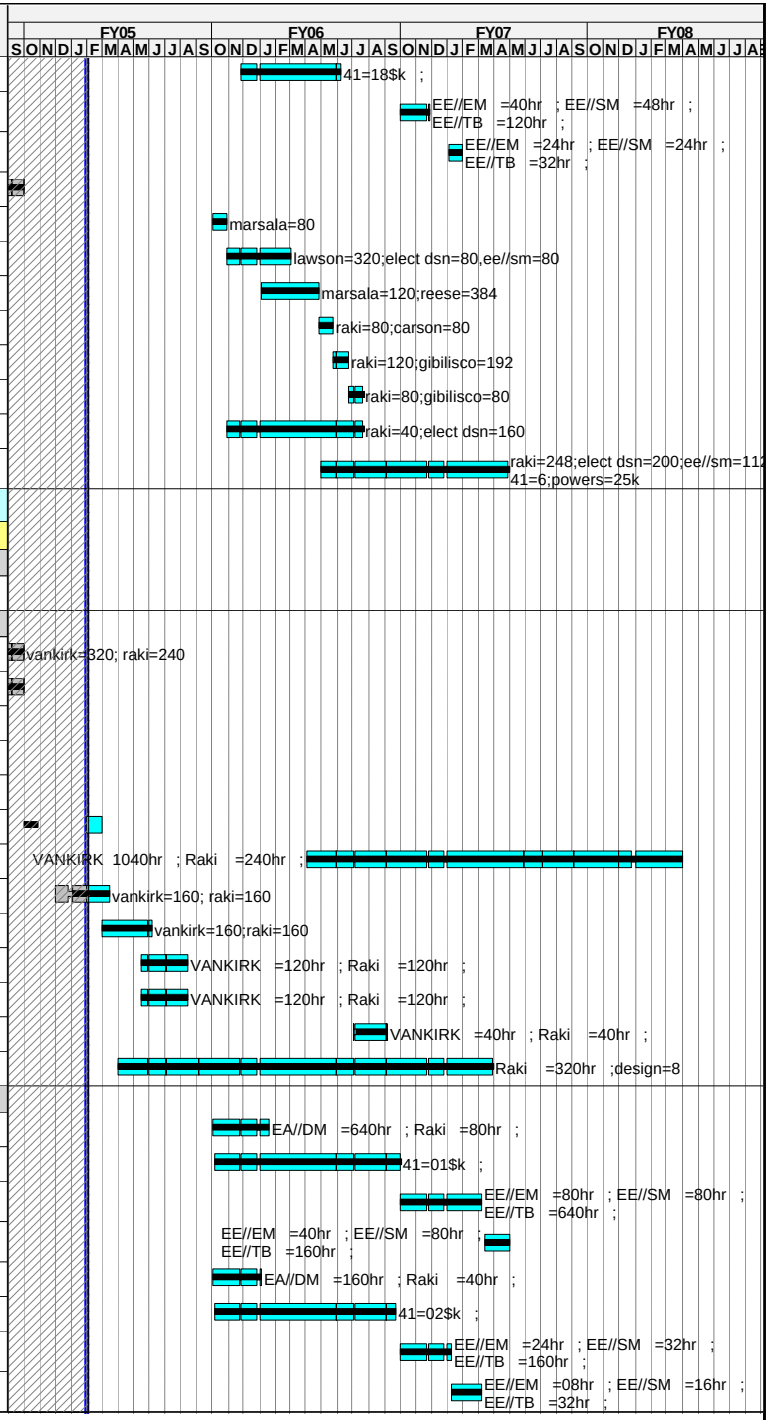
445-1-4	Ground Fault Protection-Procure	28NOV05*	130	06JUN06	276		0.00	23,220.00	
445-1-6	Ground Fault Protection-Install	02OCT06*	40	28NOV06	195		0.00	22,838.16	
445-1-8	Ground Fault Protection-Commission	04JAN07	20	31JAN07	195		0.00	9,761.52	
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	272	30SEP04A			1,054.90	1,054.90	
445-2-105	Overload Protect-Write spec and approve	03OCT05*	20	28OCT05	810		0.00	13,211.20	
445-2-110	Overload Protect-Design	31OCT05*	80	01MAR06	910		0.00	70,629.60	
445-2-115	Overload Protect-Fabr 4 chassis 120 modls	06JAN06*	79	26APR06	810		0.00	64,203.36	
445-2-120	Overload Protect-Test 4 units	27APR06	20	24MAY06	810		0.00	22,458.40	
445-2-125	Overload Protect-Install & Rack wiring	25MAY06	20	22JUN06	810		0.00	42,010.08	
445-2-130	Overload Protect-Write & perform ISTP	23JUN06	20	21JUL06	810		0.00	22,458.40	
445-2-135	Overload Protect-Documentation	31OCT05	180	21JUL06	810		0.00	23,680.80	
445-2-140	Overload Protection&cabling design,procure instl	01MAY06*	249	27APR07	619		0.00	137,740.28	
45 - Power System Design and Integration									
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN									
0000									
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	23,941.30	23,941.30	
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	10,236.00	10,236.00	
451-7-20	FDR DC transmission		0	28MAY04A		100	0.00	0.00	
451-0-2	Develop SRD	01FEB05*	21	01MAR05	1,160		0.00	0.00	
451-3-2	Dwgs,asbuilts -Elect Dsn	03APR06*	499*	31MAR08	389		0.00	157,565.56	
451-2-1	CDR Power system -Dsn	01DEC04A	68*	15MAR05	1,150	21	8,957.42	42,654.40	
451-2-2	PDR Power system -Dsn	01MAR05*	69*	06JUN05	1,092		0.00	42,654.40	
451-2-2.1	FDR C-Site	16MAY05*	64*	15AUG05	1,043		0.00	31,990.80	
451-6-2	FDR C-Site -Cabling	16MAY05*	64*	15AUG05	1,043		0.00	31,990.80	
451-4-2	FDR AC auxiliaries & grounding-Dsn	03JUL06*	45	05SEP06	779		0.00	10,874.40	
451-1-2	Calculations-Dsn	01APR05*	498	29MAR07	640		0.00	54,083.71	
452 - Electrical Systems Support									
452-1-2	Diagnostics AC Power Distr-Dsn	03OCT05*	72*	20JAN06	330		0.00	81,512.00	
452-1-4	Diagnostics AC Power Distr-Procure	05OCT05*	248	02OCT06	257		0.00	1,290.14	
452-1-6	Diagnostics AC Power Distr-Install	02OCT06*	105	07MAR07	153		0.00	77,322.40	
452-1-8	Diagnostics AC Power Distr-Commission	13MAR07*	37	02MAY07	153		0.00	30,080.80	
452-2-2	Diagnostics sensor cabling-Dsn	03OCT05*	61*	05JAN06	381		0.00	23,680.80	
452-2-4	Diagnostics sensor cabling-Procure	05OCT05*	240	20SEP06	265		0.00	2,580.00	
452-2-6	Diagnostics sensor cabling-Install	02OCT06*	65	10JAN07	193		0.00	21,480.64	
452-2-8	Diagnostics sensor cabling-Commission	11JAN07*	40	07MAR07	193		0.00	6,016.16	



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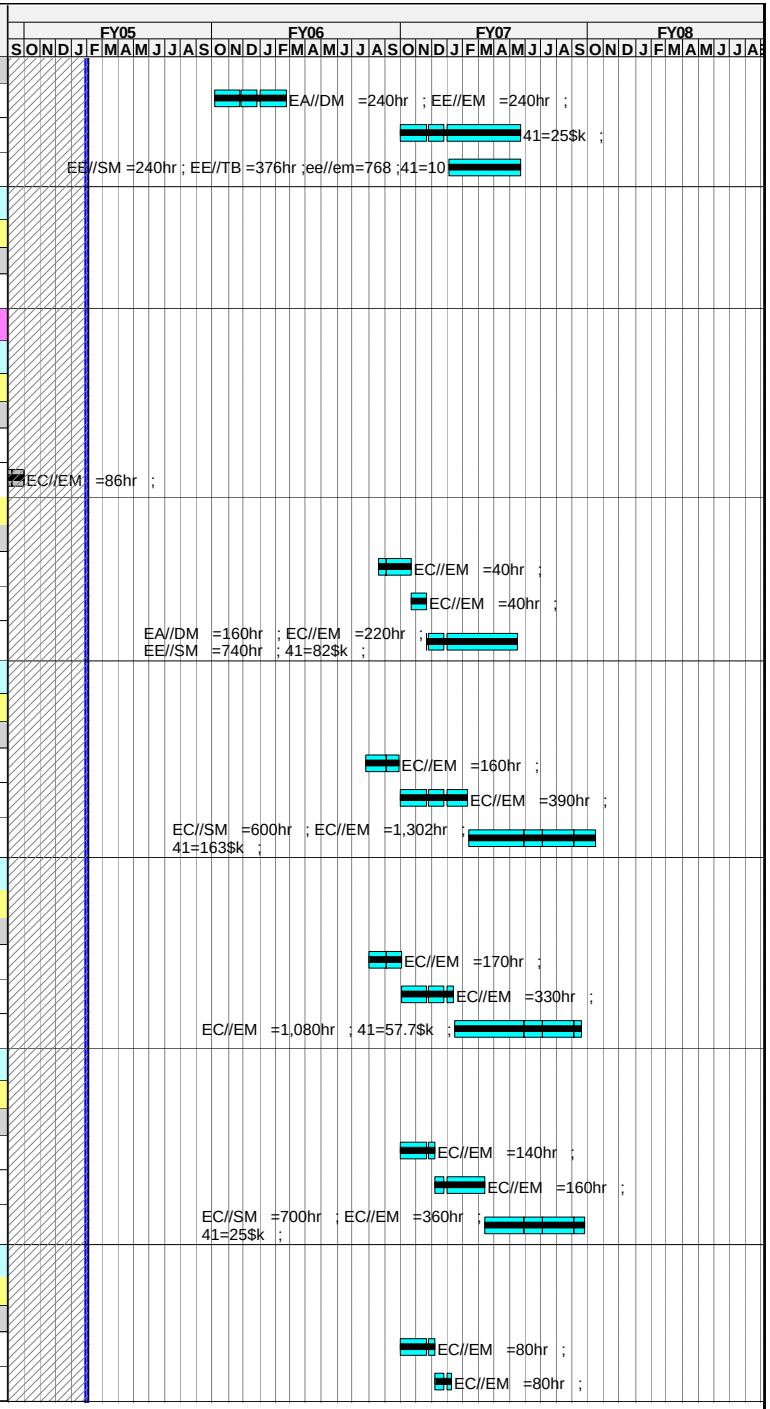
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
453 - System Testing (PTP's)									
453-1-2	New Procedures	**06OCT05***	*90*	**20FEB06**	***301***		***0.00***	65,246.40	
453-1-4	Preop Testing-Procure test equipt	**02OCT06***	*160*	**23MAY07**	***145***		***0.00***	33,125.00	
453-1-8	Testing PTPs, ISTPs	**04JAN07***	*100*	**23MAY07**	***145***		***0.00***	207,122.72	
46 - FCPC Building Modifications									
Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN									
0000									
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***	***12,358.20***	12,358.20	
51-10	Preliminary Design (Title I)	**21AUG06***	*45*	**23OCT06**	***214***		***0.00***	6,212.12	
51-20	Final Network Design (Title II)	**24OCT06**	*20*	**20NOV06**	***214***		***0.00***	6,408.80	
51-30	Installation, Testing, Documentation (Title III)	**21NOV06***	*120*	**17MAY07**	***214***		***0.00***	252,039.30	
52 - Central Instrumentation & Control									
52-10	Preliminary Design (Title I)	**28JUL06***	*45*	**29SEP06**	***110***		***0.00***	24,414.40	
52-20	Final Design (Title II)	**02OCT06**	*87*	**09FEB07**	***110***		***0.00***	62,485.80	
52-30	Installation, Testing, Documentation (Title III)	**12FEB07***	*173*	**15OCT07**	***110***		***0.00***	483,884.73	
53 - Data Acquisition & Facility Computing									
53-10	Preliminary Design (Title I)	**01AUG06***	*45*	**03OCT06**	***130***		***0.00***	25,997.95	
53-20	Final Design (Title II)	**04OCT06**	*65*	**12JAN07**	***130***		***0.00***	52,872.60	
53-30	Coding, Configuration, Testing (Title III)	**15JAN07**	*173*	**17SEP07**	***130***		***0.00***	249,490.10	
54 - Facility Timing & Synchronization									
54-10	Preliminary Design (Title I)	**02OCT06***	*45*	**05DEC06**	***125***		***0.00***	22,430.80	
54-20	Final Design (Title II)	**06DEC06**	*65*	**14MAR07**	***125***		***0.00***	25,635.20	
54-30	Installation, Testing, Documentation (Title III)	**15MAR07**	*135*	**24SEP07**	***125***		***0.00***	158,726.20	
55 - Real Time Plasma & Power Supply Control Sys									
55-10	Preliminary Design (Title I)	**02OCT06***	*45*	**05DEC06**	***185***		***0.00***	12,817.60	
55-20	Final Design (Title II)	**06DEC06**	*20*	**10JAN07**	***185***		***0.00***	12,817.60	



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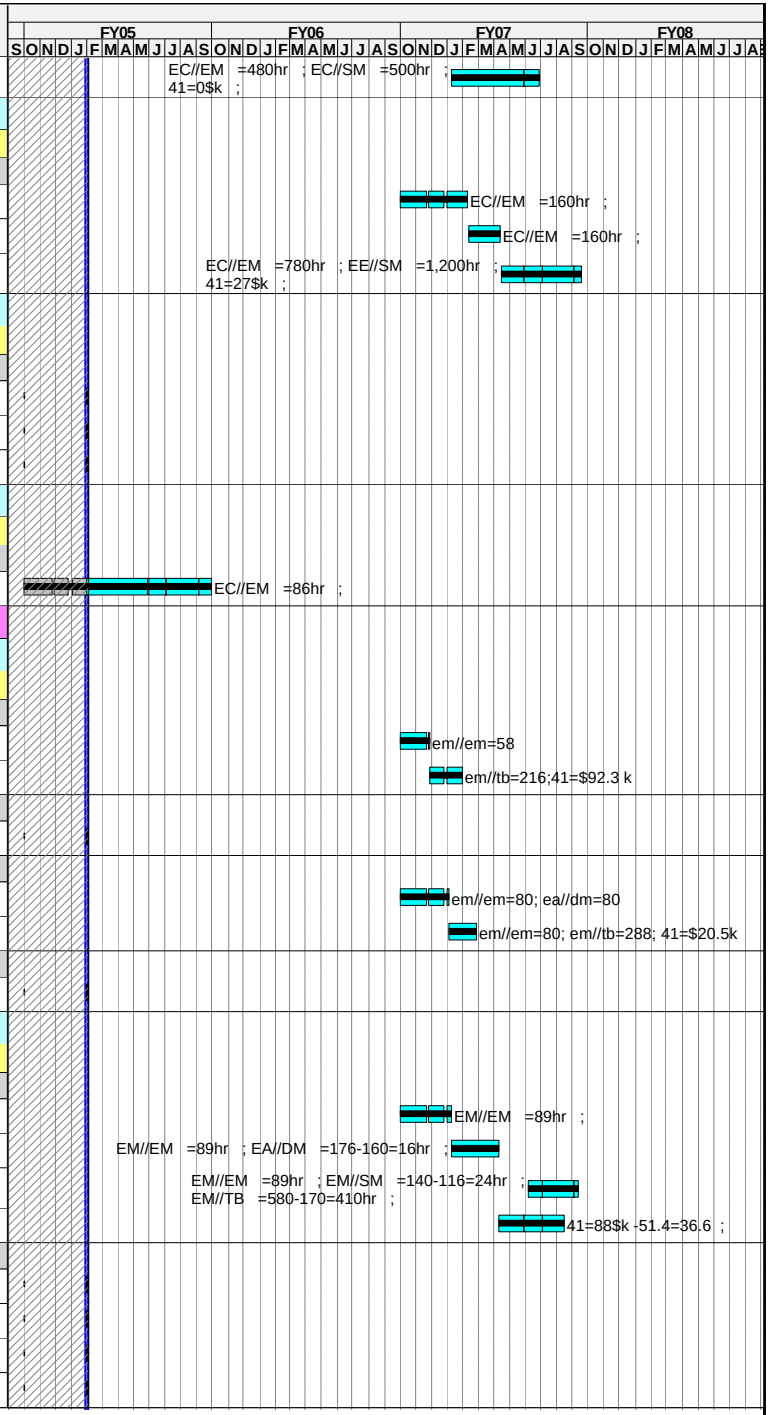
55-30	Installation, Testing, Documentation (Title III)	11JAN07	120	28JUN07	185		0.00	125,610.60	
56 - Central Safety Interlock Systems									
56-10	Preliminary Design (Title I)	02OCT06*	87	09FEB07	130		0.00	25,635.20	
56-20	Final Design (Title II)	12FEB07	45	13APR07	130		0.00	25,635.20	
56-30	Installation, Testing, Documentation (Title III)	16APR07	108	17SEP07	130		0.00	306,390.60	
57 - Control Room Facility									
57-10	Preliminary Design (Title I)	01FEB05	0	31JAN05	1,181		0.00	0.00	
57-20	Final Design (Title II)	01FEB05	0	31JAN05	1,181		0.00	0.00	
57-30	Installation, Testing, Documentation (Title III)	01FEB05	0	31JAN05	1,181		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	4,037.70	12,900.00	
6 - Facility Systems									
61 - Water Systems									
611 - C-Site Cooling System									
615.011	Engr recommissioning of C-Site Water systems	02OCT06*	40	28NOV06	213		0.00	10,401.72	
615.021	Replace valves, resins, filters	29NOV06	40	31JAN07	213		0.00	140,696.38	
612 - NB Water Cooling Systems									
622.001	**not req'd for CD-4** ECP 16	01FEB05	0	31JAN05	1,181		0.00	0.00	
613 - Vacuum Pumping System									
623.011	Design WBS 612	02OCT06*	59	02JAN07	194		0.00	23,312.00	
632.021	WBS 612 Assembly/Fabrication/Installation	03JAN07*	40	27FEB07	194		0.00	66,041.54	
614 - Bakeout Water System									
625.001	*not req'd for CD-4** ECP 16	01FEB05	0	31JAN05	1,181		0.00	0.00	
62 - Cryogenic Systems									
621 - LN2-LHe Supply System									
631-001	Preliminary Design	02OCT06*	65	10JAN07	135		0.00	15,961.26	
631-010	Final Design**reduced scope	11JAN07	65	11APR07	135		0.00	17,754.22	
631-015	Fab/Assy/Installation**reduced scope	08JUN07*	65	10SEP07	135		0.00	71,144.16	
631-020	Procurement **reduced scope	12APR07*	88	15AUG07	135		0.00	116,070.00	
622 - LN2 Coil Cooling Supply									
632-001	Preliminary Design**deleted scope	01FEB05	0	31JAN05	1,181		0.00	0.00	
632-010	Final Design**deleted scope	01FEB05	0	31JAN05	1,181		0.00	0.00	
632-015	Fab/Assy/Installation**deleted scope	01FEB05	0	31JAN05	1,181		0.00	0.00	
632-020	Procurement**deleted scope	01FEB05	0	31JAN05	1,181		0.00	0.00	



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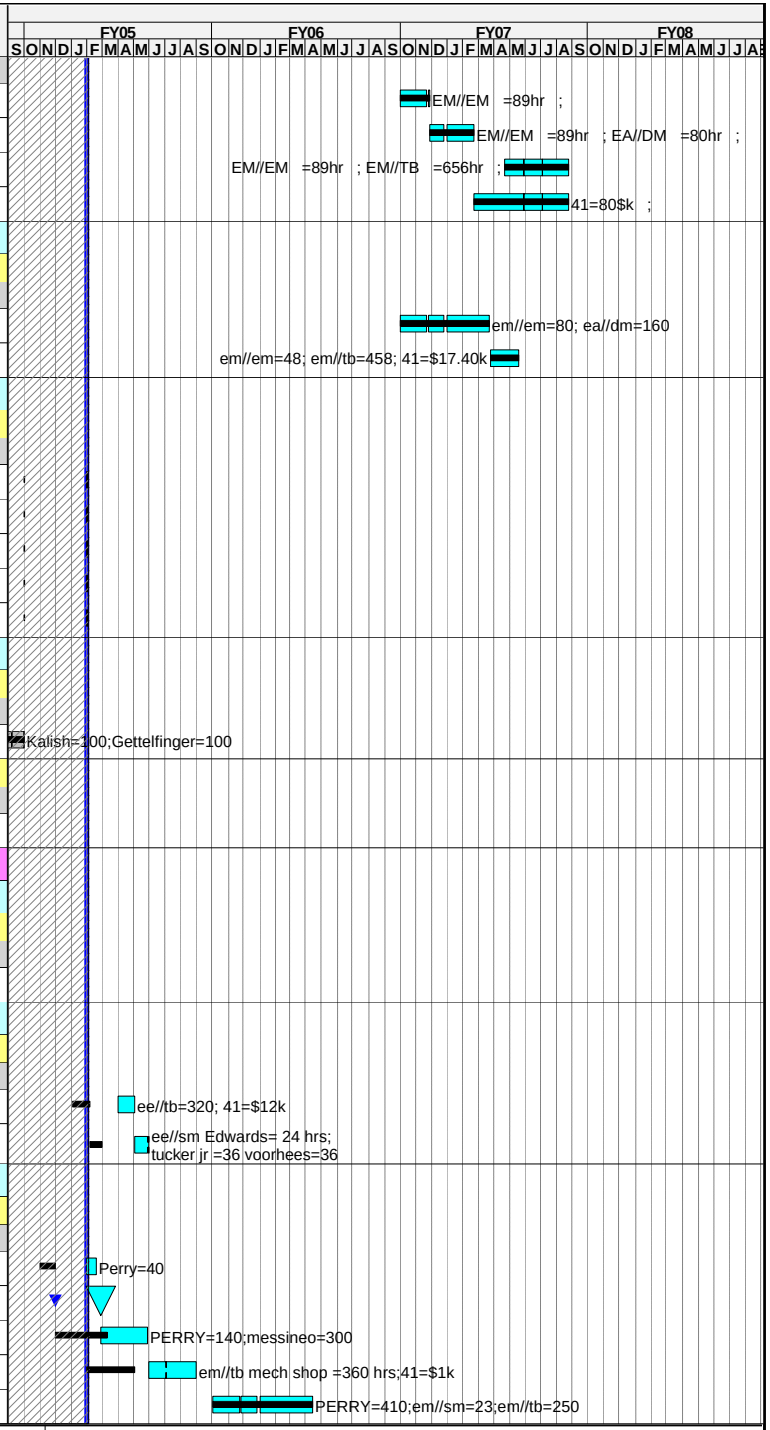
623 - GN2 Cryostat Cooling System									
633-001	Preliminary Design	02OCT06*	40	28NOV06	145		0.00	15,961.26	
633-010	Final Design	29NOV06	55	21FEB07	145		0.00	24,926.06	
633-015	Fab/Assy/Installation	23APR07*	88	24AUG07	145		0.00	71,839.34	
633-020	Procurement	22FEB07*	130	24AUG07	145		0.00	105,933.75	
63 - Utility Systems									
640.011	Design GN2, Air & Vent Systems	02OCT06*	117	23MAR07	148		0.00	32,276.80	
640.021	Assembly/Fabrication	26MAR07*	40	18MAY07	148		0.00	71,205.76	
64 - PFC/VV Heating & Cooling*ELIMINATED*									
650.001	Preliminary Design	01FEB05	0	31JAN05	1,181		0.00	0.00	
650.005	Final Design	01FEB05	0	31JAN05	1,181		0.00	0.00	
650.010	Lab Fab/Assy/Installation/Test	01FEB05	0	31JAN05	1,181		0.00	0.00	
650.012	Procured Hardware/Material	01FEB05	0	31JAN05	1,181		0.00	0.00	
650.015	Procured Installation/Assy	01FEB05	0	31JAN05	1,181		0.00	0.00	
65 - Facility Systems Integration									
Job: 6163 - Facility Systems Support FY04									
65-03	LOE WBS 6	01OCT03A	250*	30SEP04A		LOE	32,220.00	32,220.00	
Job: 6501 - Facility Systems Integration-DUDEK									
0000									
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									
0000									
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	01APR05*	24	04MAY05	1,096		0.00	41,762.40	
711B.050	Complete Control Room Flooring	05MAY05*	18	31MAY05	1,096		0.00	8,447.76	
73 - Platform Design & Fabrication									
Job: 7301 - Platform Design & Fab-PERRY									
712.008	Update Platform Specification	01FEB05*	14*	18FEB05	1,037		0.00	6,699.60	
712.009	Platform PDR		0	25FEB05*	1,032		0.00	0.00	
712.010	Final Design	28FEB05*	65	27MAY05	1,038		0.00	54,843.60	
711A.040	Platform nut plates	31MAY05*	65	30AUG05	1,032		0.00	30,027.00	
712.020	Platform Parts	03OCT05*	132	14APR06	304		0.00	24,541.00	



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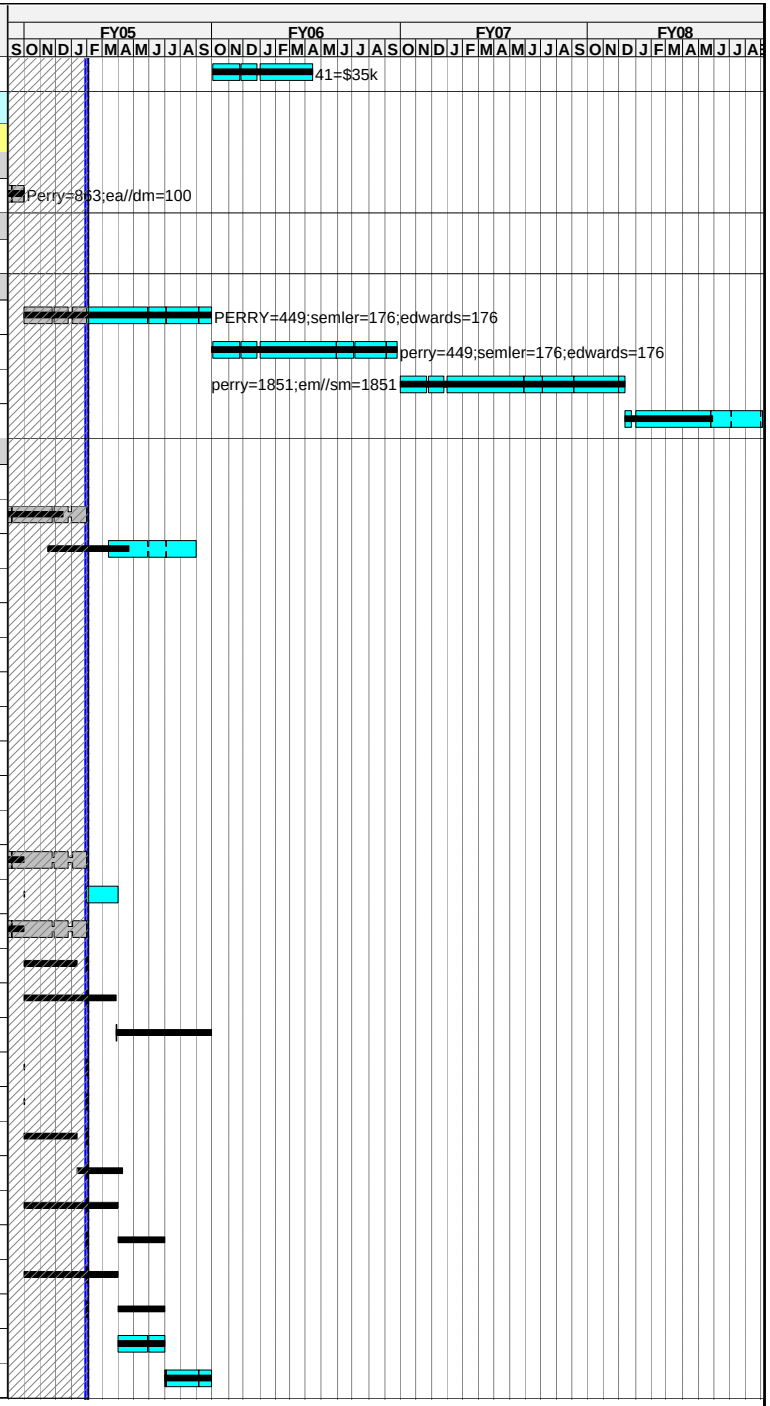
712.030	Miscs Hardware/Material	03OCT05*	132	14APR06	304		0.00	45,150.00	
74 - Machine Assembly Planning and Oversight									
Job: 7401 - TC Prep & Mach Assy Planning-PERRY									
Oversight and Supervision									
711A.020	LOE FY04	01OCT03A	256*	30SEP04A		LOE	149,894.50	149,894.50	
0000									
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	131,680.00	131,680.00	
Project Scope									
714.010	LOE FY05	01OCT04A	249*	30SEP05	284	LOE	35,777.99	114,306.69	
714.020	LOE FY06 prior to assy starting	03OCT05	246	26SEP06	284		0.00	116,569.04	
714.030	LOE FY07 thru first plasma	02OCT06*	300	12DEC07	281		0.00	550,917.49	
714.031	WBS 7 mgt stretch out cost	13DEC07	180	02SEP08	281		0.00	286,369.20	
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**	15MAR05*	119*	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	206*				0.00	0.00	
GPP004.1	GPP-Roofing Install	01FEB05*	44*	01APR05	1,137		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***	01FEB05	0	31JAN05	1,181		0.00	0.00	
GPP006	GPP-Test Cell HVAC/dew point control Design*TBD	01FEB05	0	31JAN05	1,181		0.00	0.00	
GPP006.1	GPP-Test Cell HVAC/dew point control InstallTBD	30MAR05*	0	29MAR05	1,140		0.00	0.00	
GPP007	GPP-C-Site elevators Design	01FEB05*	0*	31JAN05	1,181		0.00	0.00	
GPP007.1	GPP-C-Site elevators Install	01FEB05	0	31JAN05	1,181		0.00	0.00	
GPP008	GPP-Fire suppression high bay design*TBD*	01FEB05	0	31JAN05	1,181		0.00	0.00	
GPP008.1	GPP-Fire suppression high bay install*TBD*	01FEB05	0	31JAN05	1,181		0.00	0.00	
GPP009	Control Room Lights & Outlets design*TBD*	01FEB05	0	31JAN05	1,117		0.00	0.00	
GPP009.1	Control Room Lights & Outlets install*TBD*	01FEB05	0	31JAN05	1,117		0.00	0.00	
GPP010	Control Room HVAC Design **TBD**	01FEB05	0	31JAN05	1,117		0.00	0.00	
GPP010.1	Control Room HVAC Install **TBD**	01FEB05	0	31JAN05	1,117		0.00	0.00	
GPP011	Control Room Ceiling Design	01APR05*	64	30JUN05	1,010		0.00	0.00	
GPP011.1	Control Room Ceiling Install	01JUL05	64	30SEP05	1,010		0.00	0.00	



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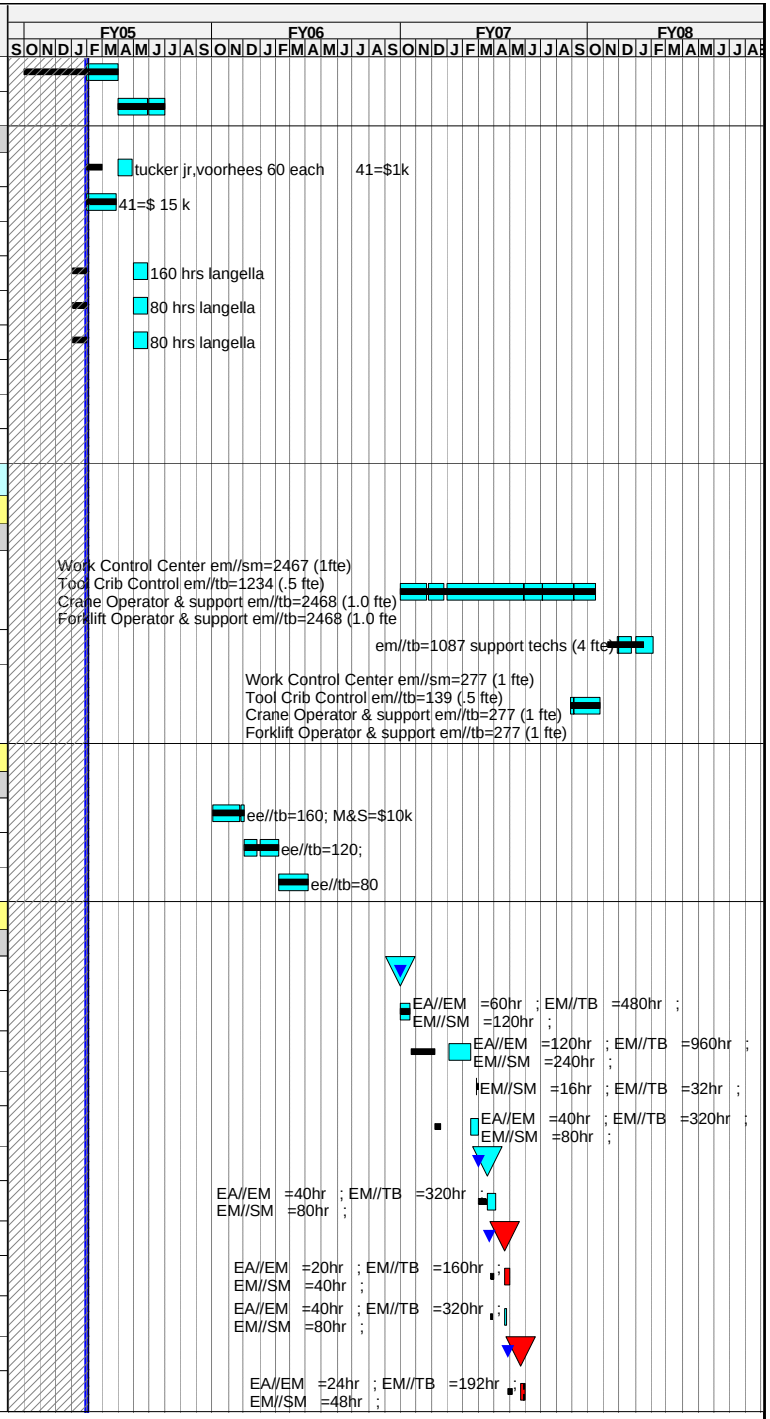
GPP012	Control Rm Fire Detection & Suppression Design	01FEB05*	43*	31MAR05	1,010		0.00	0.00	
GPP012.1	Control RmFire Detection & Suppression Install	01APR05	64	30JUN05	1,010		0.00	0.00	
Test Cell Modifications & Upgrades									
613.030	Test Cell copper ground plane cuts	01APR05*	20	28APR05	1,124		0.00	10,935.00	
713.010	General procurements	01FEB05*	40	28MAR05	1,147		0.00	20,835.00	
7502-000	Outlet Design	02FEB04A	107*	30JUN04A		100	25,272.00	25,272.00	
7502-001	Test Cell 110v outlets	02MAY05*	20	27MAY05	1,097		0.00	17,414.40	
7502-002	Test Cell 208v outlets	02MAY05*	20	27MAY05	1,097		0.00	8,707.20	
7502-010	Ready Rooms (under control room) 110v outlets	02MAY05*	20	27MAY05	971		0.00	8,707.20	
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	02OCT06*	260	15OCT07	110		0.00	814,222.14	
7501-06	Construction Support Crew during e-beam mapping	28NOV07*	41	04FEB08	429		0.00	95,732.09	
7501-07	Construction Support Crew during cryostat instl	28AUG07*	40	23OCT07	495		0.00	92,672.39	
7502 - Test Cell Facility Preparations									
7502-020	Resurface TC floor	03OCT05*	42	01DEC05	884		0.00	30,660.00	
7502-030	TC Floor firesealing	02DEC05	42	07FEB06	884		0.00	13,320.00	
7502-035	Control room firesealing	08FEB06	42	06APR06	884		0.00	8,880.00	
7503 - Machine Assembly									
Revised Assembly Logic (ecp18)									
7503-010	Begin Assembly Activities	02OCT06*	0		186		0.00	0.00	
7503-020	Install & Level Support Base Plates	02OCT06	15	20OCT06	186		0.00	65,659.20	
7503-030	Install/Level FPA's and Spool Piece supports	05JAN07	30	15FEB07	140		0.00	131,318.40	
7503-060	Install Lower PF 4,5&6 into prelim position	26FEB07	2	27FEB07	147		0.00	4,590.56	
7503-070	Install 3 Spool Pieces on fixt & test movement	16FEB07	10	01MAR07	140		0.00	43,772.80	
7503-080	FPA-1 Installed on support platform		0	20MAR07	127		0.00	0.00	
7503-090	Install local Platforms around FPA-1	21MAR07	10	03APR07	128		0.00	43,772.80	
7503-110	FPA-2 Installed on support platform		0	23APR07	103		0.00	0.00	
7503-120	Test movement of FPA-1& -2 & position checks.	24APR07	5	30APR07	103		0.00	21,886.40	
7503-130	Install local Platforms around FPA-2	24APR07	3	26APR07	111		0.00	43,772.80	
7503-150	FPA-3 Installed on support platform		0	21MAY07	88		0.00	0.00	
7503-160	Position all FPA's / Spool Pieces @ MC Interface	22MAY07	6	30MAY07	88		0.00	26,263.68	



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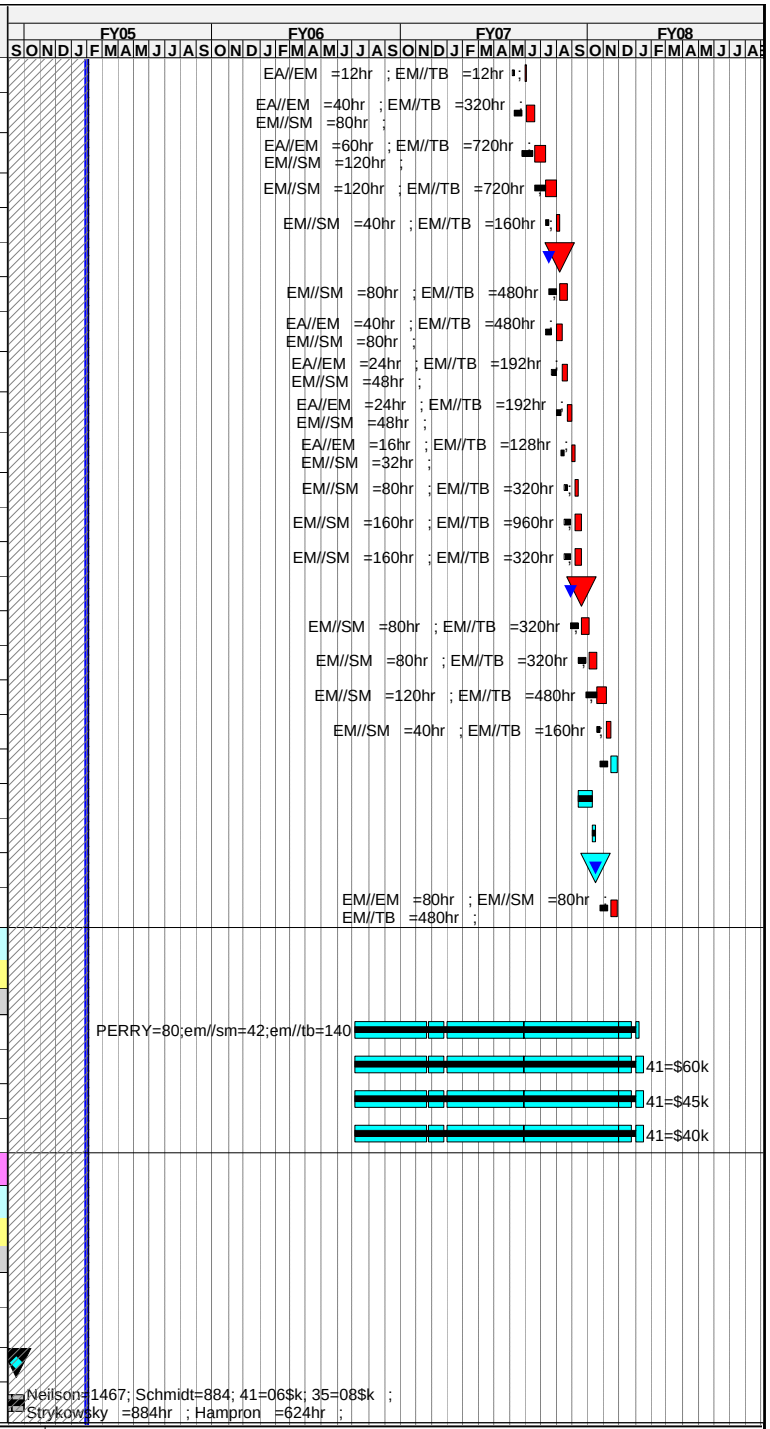
7503-170	FPA Metrology Checks to Assure Alignment	31MAY07	3	04JUN07	88		0.00	3,179.52	
7503-190	Install local Platforms around FPA-3	05JUN07	10	18JUN07	88		0.00	43,772.80	
7503-180	MC Interfaces: shim, ream holes ,bolt together	19JUN07	15	09JUL07	88		0.00	86,102.40	
7503-200	Mate-up and weld all VV-to-Spool interfaces	10JUL07	15	30JUL07	88		0.00	75,315.60	
7503-240	Bolt on preassembled pump duct	31JUL07	5	06AUG07	88		0.00	18,290.80	
7503-250	Begin Vac Vsl Pumpdown	07AUG07	0		95		0.00	0.00	
7503-260	PTP Pumpdown & leak check VV	07AUG07	10	20AUG07	95		0.00	50,210.40	
7503-210	Fit-up all TF coils	31JUL07	10	13AUG07	88		0.00	57,401.60	
7503-270	Raise lower PF 4,5&6 coils into final position	14AUG07	6	21AUG07	88		0.00	26,263.68	
7503-280	Install Upper PF 4,5 & 6 coils	22AUG07	6	29AUG07	88		0.00	26,263.68	
7503-290	Install PF Solenoid into position (U/L PF1,2,3)	30AUG07	4	04SEP07	88		0.00	17,509.12	
7503-310	Complete LN2 connections **2 SHIFT**	05SEP07	5	11SEP07	93		0.00	36,581.60	
7503-320	Complete Elect Pwr connections **2 SHIFT**	05SEP07	10	18SEP07	88		0.00	100,420.80	
7503-321	Complete mag diag & machine I&C **2 SHIFT**	05SEP07	10	18SEP07	88		0.00	45,905.60	
7503-330	Begin Cryostat Installation	19SEP07	0		88		0.00	0.00	
7503-340	Install Cryostat Base, vapor barrie& port boots	19SEP07	10	02OCT07	88		0.00	36,829.92	
7503-350	Install Cryostat upper section,VB and port boots	03OCT07	10	16OCT07	88		0.00	37,823.20	
7503-360	Install Midplane Cryostat sections and port boot	17OCT07	15	06NOV07	88		0.00	56,734.80	
7503-370	Install Cryostat Circulation Duct	07NOV07	5	13NOV07	88		0.00	18,911.60	
730.8200Z	PTP and Cooldown (dup of 730.8200)	14NOV07	10	27NOV07	470		0.00	0.00	
730.1248	ACC Review	11SEP07	20	08OCT07	110		0.00	0.00	
730.1249	PSO Operational Readiness Assessment	09OCT07	5	15OCT07	110		0.00	0.00	
730.1250	PSO Operational Readiness Assessment		0	15OCT07	110		0.00	0.00	
730.8200	PTP and Cooldown	14NOV07	10	27NOV07	89		0.00	66,749.60	
76 - Tooling Design & Fabrication									
Job: 7601 - Tooling Design & Fabrication									
713.020	Lab Fab/Assy/Installation	05JUL06*	377	08JAN08	445		0.00	31,096.35	
713.030	Tooling,assy fixtures,misc equipt	05JUL06*	383	16JAN08	445		0.00	79,446.42	
713.040	General procurements	05JUL06*	383	16JAN08	445		0.00	59,584.82	
713.050	Welding tools, materials & equipt	05JUL06*	383	16JAN08	445		0.00	52,964.28	
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	689,381.22	689,381.22	



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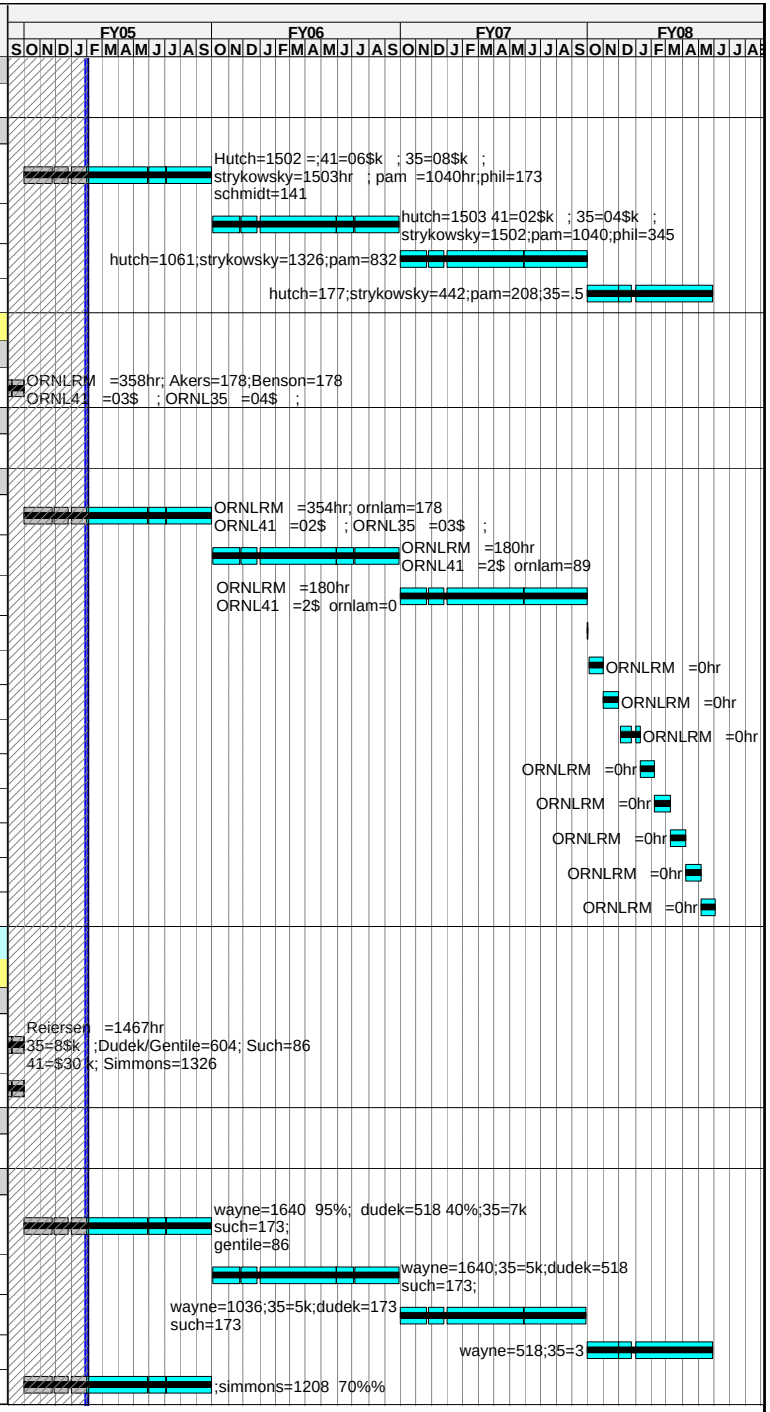
FEBRUARY 1 Status

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
0000									
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***	***216,652.28***	687,785.00	
810.004	Project Management Office PPPL FY06	**03OCT05***	*250**	**29SEP06**	***765***		***0.00***	644,509.94	
810.005	Project Management OfficePPPL FY07	**02OCT06***	*251**	**28SEP07**	***514***		***0.00***	513,758.61	
810.900	Project Management Office PPPL FY08	**01OCT07***	*164*	**28MAY08**	***350***		***0.00***	126,311.11	
Job: 8102 - NCSX MIE Management ORNL-LYON									
FY04 Actual Cost									
810.102	Project Management Office ORNL FY04	**01OCT03A**	*256**	**30SEP04A**		***LOE***	***121,274.02***	121,274.02	
0000									
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***	***30,339.68***	96,316.45	
810.104	Project Management Office ORNL FY06	**03OCT05***	*250**	**29SEP06**	***514***		***0.00***	49,323.49	
810.104X	Project Management Office ORNL FY06	**02OCT06**	*251**	**28SEP07**	***514***		***0.00***	36,217.36	
810.105	Project Management Office ORNL FY07	**01OCT07**	*0**	**28SEP07**	***514***		***0.00***	0.00	
810.901	Project Management Office ORNL 1 mo SO	**02OCT07***	*21*	**30OCT07**	***345***		***0.00***	0.00	
810.980	Project Management Office ORNL 1 mo SO	**31OCT07***	*21*	**28NOV07**	***345***		***0.00***	0.00	
810.981	Project Management Office ORNL 1 mo SO	**03DEC07***	*21*	**09JAN08**	***345***		***0.00***	0.00	
810.982	Project Management Office ORNL 1 mo SO	**10JAN08***	*21*	**07FEB08**	***345***		***0.00***	0.00	
810.983	Project Management Office ORNL 1 mo SO	**08FEB08***	*21*	**07MAR08**	***345***		***0.00***	0.00	
810.984	Project Management Office ORNL 1 mo SO	**10MAR08***	*21*	**07APR08**	***345***		***0.00***	0.00	
810.985	Project Management Office ORNL 1 mo SO	**08APR08***	*21*	**06MAY08**	***345***		***0.00***	0.00	
810.986	Project Management Office ORNL 1 mo SO	**07MAY08***	*21*	**04JUN08**	***345***		***0.00***	0.00	
82 - Project Engineering									
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN									
FY04 Actual Cost									
820.002	LOE FY04	**01OCT03A**	*256**	**30SEP04A**		***LOE***	***626,751.30***	626,751.30	
8202-ECP16	ecp16	**01OCT03A**	*256**	**30SEP04A**		***LOE***	***68,000.00***	68,000.00	
0000									
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***	***136,006.80***	431,767.64	
820.004	Proj engr FY06	**03OCT05***	*250**	**29SEP06**	***765***		***0.00***	392,793.60	
820.004Z	Proj engr FY07	**02OCT06***	*248**	**25SEP07**	***517***		***0.00***	241,867.20	
820.005	Proj engr FY08	**01OCT07***	*166**	**30MAY08**	***348***		***0.00***	101,796.02	
8205FY05	System Engr Support FY05	**01OCT04A**	*251**	**30SEP05**	***1,015***	***LOE***	***70,027.10***	222,308.24	



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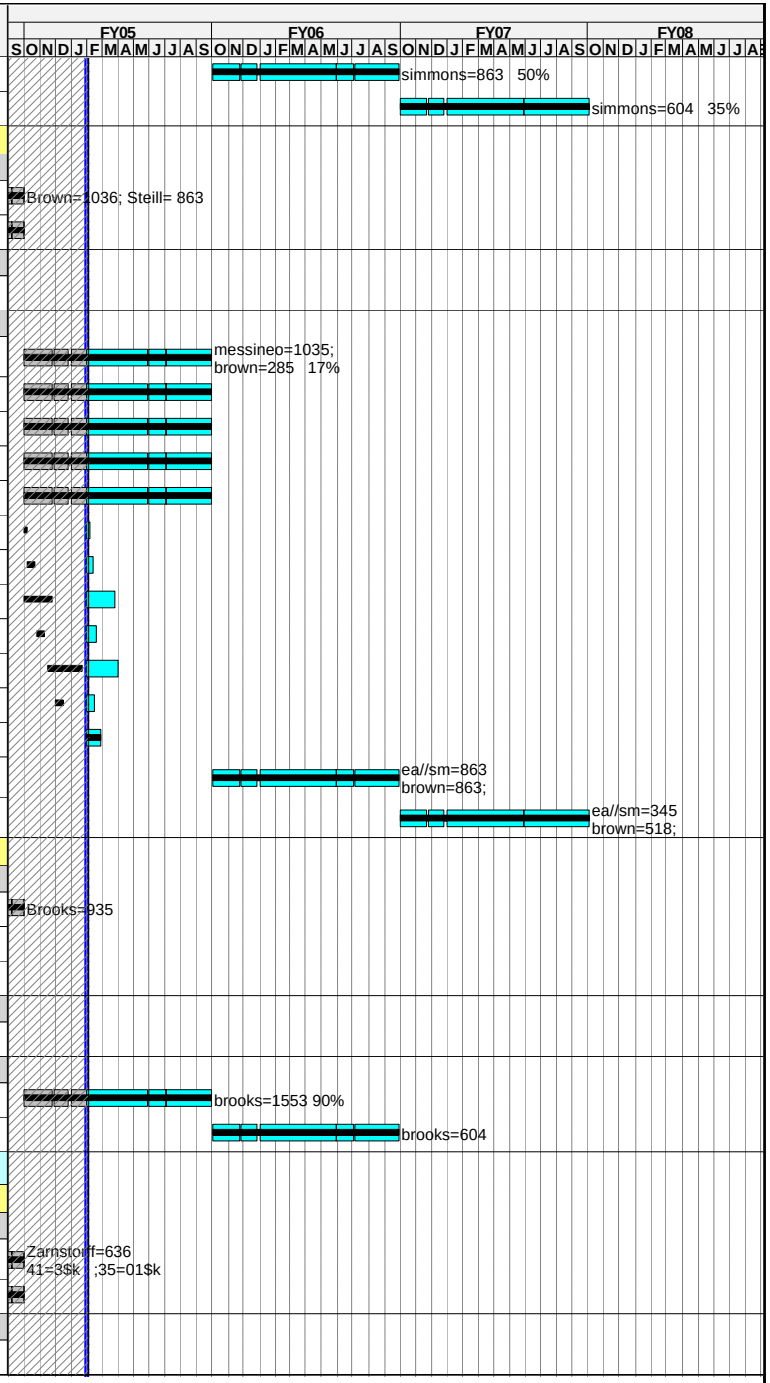
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	ETC ADD"L COST
8205FY06	Systems Engineering Support FY06	03OCT05*	250*	29SEP06	765		0.00	161,959.21	
8205FY07	Systems Engineering Support FY06	02OCT06*	252*	01OCT07	513		0.00	119,024.24	
Job: 8203 - Design Integration-BROWN									
FY04 Actual Cost									
820.200	LOE FY04	01OCT03A	256*	30SEP04A		LOE	257,272.80	257,272.80	
8203-ECP16	ecp16	01OCT03A	256*	30SEP04A		LOE	125,000.00	125,000.00	
0000									
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		49,190.84	156,161.40	
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	01FEB05*	4	04FEB05	1,183		0.00	0.00	
8203-07	Rvw cryostat & conventional magnet sys design	01FEB05*	9	11FEB05	1,178		0.00	0.00	
8203-08	tollerance reqmnts for MCsuprt install fixt dwgs	01FEB05*	39	25MAR05	1,148		0.00	0.00	
8203-09	Machine suprt dsn f/compatibility with assy reqt	01FEB05*	12	16FEB05	1,175		0.00	0.00	
8203-10	Dynamic simul MC half period install fixt w/ Pro	01FEB05*	42	30MAR05	1,145		0.00	0.00	
8203-11	Document NCSX Interlink& dwg control process	01FEB05*	11	15FEB05	1,176		0.00	0.00	
8203-12	Update definition VV spool piece assy simul	01FEB05*	19	25FEB05	1,168		0.00	0.00	
8203FY06	Design Integration FY06	03OCT05*	250*	29SEP06	765		0.00	239,862.22	
8203FY07	Design Integration FY07	02OCT06*	252*	01OCT07	513		0.00	131,804.52	
Job: 8204 - Systems Analysis-BROOKS									
FY04 Actual Cost									
820.174	LOE FY04	01OCT03A	172*	30SEP04A		LOE	150,254.50	150,254.50	
8204.01	Assess magnetic material in test cell	02FEB04A	85*	28MAY04A		100	38,568.00	38,568.00	
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A		100	19,284.00	19,284.00	
0000									
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	82,130.95	260,733.17	
8204FY06	Systems Analysis FY06	03OCT05*	250*	29SEP06	765		0.00	103,416.88	
84 - Project Physics									
Job: 8401 - Project Physcis-ZARNSTORFF									
FY04 Actual Cost									
840.202	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A		LOE	99,806.20	99,806.20	
840.203	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A		LOE	14,000.00	14,000.00	
0000									
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	210,270.00	210,270.00	



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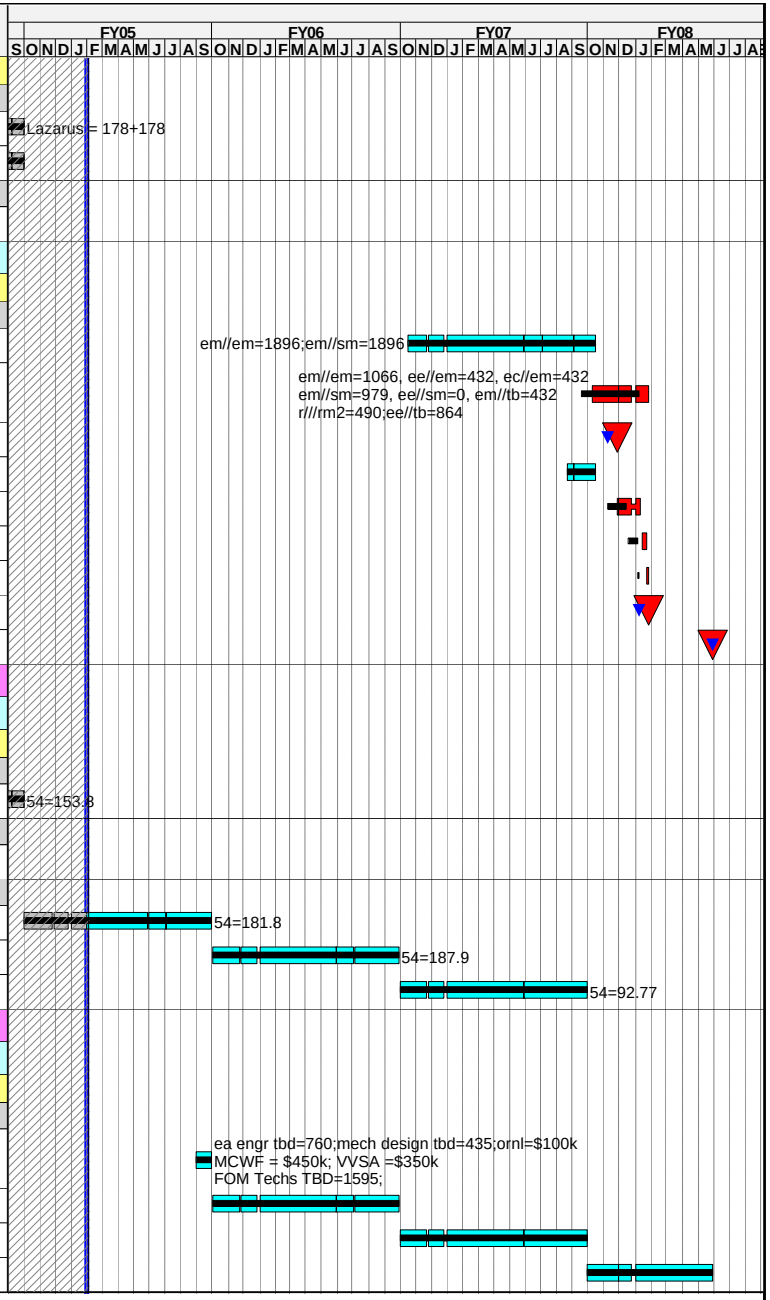
Job: 8402 - Project Physics MIE ORNL-LYON									
FY04 Actual Cost									
840.302	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A		LOE	61,110.96	61,110.96	
840.303	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A		LOE	44,000.00	44,000.00	
0000									
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A		100	40,980.00	40,980.00	
85 - Integrated Systems Testing									
920.001	Procedure and Document Preparation	16OCT06*	250	15OCT07	110		0.00	561,846.69	
920.000	Startup Personnel	08OCT07	72	25JAN08	89		0.00	661,852.01	
920.004	Begin Start-up Testing	28NOV07	0		89		0.00	0.00	
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	23AUG07	37	15OCT07	120		0.00	0.00	
920.010	Field Coil Testsing,FCPC test & E-Beam Mapping	28NOV07	25	11JAN08	89		0.00	0.00	
920.020	Final ISTP	14JAN08	7	22JAN08	89		0.00	0.00	
920.021	Operations Approval	23JAN08	3	25JAN08	89		0.00	0.00	
730.9000	First Plasma		0	25JAN08	89		0.00	0.00	
M-0120	CD-4 First Plasma		0	30MAY08*	0		0.00	0.00	
Allocations									
PPPL Allocations									
Job: 8998 - Allocations									
FY04 Actual Cost									
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A		LOE	265,920.20	265,920.20	
0000									
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	60,670.00	60,670.00	
99.05	PPPL Allocations FY05	01OCT04A	251*	30SEP05	1,015	LOE	99,014.64	314,332.20	
99.06	PPPL Allocations FY06	03OCT05*	250*	29SEP06	765		0.00	320,745.30	
99.07	PPPL Allocations FY07	02OCT06*	251*	28SEP07	514		0.00	166,893.23	
Contingency									
Contingency									
Contingency-Project									
99.105	Contingency	01SEP05*	21*	29SEP05	1,016		0.00	2,603,815.42	
99.106	Contingency	03OCT05*	250*	29SEP06	765		0.00	2,917,148.73	
99.107	Contingency	02OCT06*	251*	28SEP07	514		0.00	5,431,133.02	
99.108	Contingency	01OCT07*	166*	30MAY08	348		0.00	1,804,979.59	



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