

Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	Baseline Finish	Schedule slip to baseline (work days)	Remaining Float	FY08		
								MAY	JUN	JUL
Phil Heitzenroeder										
Brooks										
Job: 8204 - Systems Analysis-BROOKS										
8204-FY08X	Systems Analysis, studies & tech assurance FY08	250*	01OCT07A	30SEP08	30SEP08	0	1,521			
1000	magnetic Material Study	0		14MAY08*		0	1,617			
Brown										
Job: 8203 - Design Integration-BROWN										
8203FY08-2	Facility models update&integration	377*	01APR08A	30SEP09	30SEP09	0	1,272			
8203FY08-3	Cryostat design rvw & integration update	41	05JUN08*	01AUG08	01AUG08	0	1,562			
8203FY08-4	General integration activities	170*	01FEB08A	30SEP08	30SEP08	0	1,521			
Chrzanowski										
Job: 1302 - PF Design -CHRZANOWSKI										
1302-275	Resolve FDR Chits	70*	22FEB08A	30MAY08	02MAY08	-19	1,236*			
Job: 1352 - PF Coil Procurement-CHRZANOWSKI										
PF Coil Fabrication										
1352-100	Materials Delivery PF 4,5,6	69*	01APR08A	08JUL08	07JUL08	-1	1,580			
141-035E	DOE Approval	0		16MAY08*	09MAY08*	-5	303			
141-038.1	PF Conductor Delivery	105*	21FEB08A	18JUL08	18JUL08	0	356			
141-036	PF Coils Awarded	0		30MAY08*	30MAY08*	0	303			
1352-121	Design/Fab Tooling	85	02JUN08*	30SEP08	30SEP08	0	303			
141-031	Title III engr WBS 132	370	02JUN08*	19NOV09	23OCT09	-19	1,236			
Cole										
Job: 1260 NB Transition Ducts- COLE										
1260-191	Peer Review to Establish Requirements	20	27MAY08*	23JUN08	23JUN08	0	328			
1260-192	Review and Update Assbly Dwgs	20	24JUN08	22JUL08	22JUL08	0	328			
Job: 1416 - Mod Coil Type AB Fnl Dsn-COLE										
Analysis and closeout documentation										
1416-601	Prepare EM and structural analysis of leads	77*	31JAN08A	16MAY08	30APR08	-12	1,615			
1416-606	Resolve documentation comments	15	01MAY08	21MAY08	20MAY08	-1	1,612			
1416-650	Prepare cooling analysis of lead area	18	01MAY08*	27MAY08	27MAY08	0	1,609			
1416-651	Prepare cooling analysis coefficient for cryosta	18	01MAY08*	27MAY08	27MAY08	0	1,609			
ECN Modifications										
1416-801	ECN Mods-Resize vertical port boot	40	01MAY08*	26JUN08	27MAY08	-22	1,587			
1416-802	ECN Mods-Revise Type B cooling lines	40	01MAY08*	26JUN08	27MAY08	-22	1,587			
1416-803	ECN Mods-Issue DXF shim files for fab	40	01MAY08*	26JUN08	27MAY08	-22	1,587			
1416-805	ECN Mods-Add TC's at bottom of 101,102,103 dwgs	40	01MAY08*	26JUN08	27MAY08	-22	1,587			
1416-806	ECN Mods-Revise dwg 123-151	40	01MAY08*	26JUN08	27MAY08	-22	1,587			
Job: 1421 - Mod Coil Interface Design-COLE										
Inboard Interface-CC										
1421-3155	Resolve C-C shim FDR comments	20	01MAY08*	29MAY08	28APR08	-22	1,607			

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								MAY			JUN			JUL							
								8	5	12	19	26	2	9	16	23	30	7	14	21	28
INTRF-100	Misc travel, meetings,reporting,job 1416&1421	271*	01MAY07A	30MAY08	30MAY08	0	1,606														
Job: 1901 - Stellarator Core Mngtt&Integr-COLE																					
191 - Stellarator Core Management & Oversight																					
1901-08	WBS 191 FY08	249*	01OCT07A	29SEP08	29SEP08	0	1,522														
192 - Stellarator Core Integr & Global Analysis																					
1902-08	WBS 192 FY08	249*	01OCT07A	29SEP08	29SEP08	0	1,522														
193 - Risk Mitigation Tasks																					
RISK-43	Bolt preload could relax with time.	61	03MAR08A	28JUL08	28JUL08	0	-43														
RISK-752	Pucks held by Nomex felt-demonstrate feasibility	44	05MAY08*	07JUL08	07JUL08	0	460														
RISK-755	Relax fit-up tolerances on remotely handled bush	50	25FEB08A	11JUL08	11JUL08	0	456														
RISK-696	consider a bringing all 3 120 degree field perio	227	03MAR08A	31MAR09	31MAR09	0	168														
Job: 1806 - FP Assembly specs and drawings-COLE																					
Station 3-Modular Coil to VVSA Assembly																					
1803-301	Station 3 Assembly Specification	224*	02JUL07A	23MAY08	30APR08	-17	161														
1803-305	Station 3 Assembly Drawings	224*	02JUL07A	23MAY08	30APR08	-17	161														
Station 5-Final Field Period Assembly																					
1803-501	Station 5 Assembly Specification	9*	27MAY08*	06JUN08	06JUN08	0	236														
1803-509	Field period Assy Dwgs	132*	01FEB08A	06AUG08	06AUG08	0	194														
6.00-Final Machine Assembly																					
1803-601	Station 6 Assembly Specification	120	01MAY08*	20OCT08	02OCT08	-12	360														
1803-605	Station 6 Assembly Drawings	120	01MAY08*	20OCT08	02OCT08	-12	360														
1803-613	Detail dwgs-man access port (deleted)	0	01MAY08	30APR08	30JAN08	-65	480														
1803-010	meetings,reporting,/presentations assy models	194*	31JAN08A	31OCT08	31OCT08	0	1,498														
Dahlgren																					
Job: 1702 - Base Support Struct Design-DAHLGREN																					
1702-520	Final design. Assy dwgs, fab dwgs, BOMs,specs/SO	81*	01FEB08A	23MAY08	30APR08	-17	221														
1702-522	FDR Prep	5	19MAY08	23MAY08	30APR08	-17	221														
1702-525M	Base Support Structure FDR	0		23MAY08	30APR08	-17	221														
1702-530	Resolve chits, issue dwgs for fab,Issue requisit	10	27MAY08	09JUN08	14MAY08	-17	221														
Job: 1501 - Coil Structures Design-DAHLGREN																					
1501-533	Detail CAD Drawings,BOM	270*	01JUN07A	30JUN08	16JUN08	-10	211														
1501-533F	Integrated Stress Analysis	186*	01OCT07A	30JUN08	16JUN08	-10	211														
1501-536	Issue dwgs for review	0		30JUN08*	01APR08*	-63	211														
1501-535	Develop Interfaces with cryostat	0		30MAY08*	01MAY08*	-20	232														
1501-549	Update C.S.Support Attacgment Design	6	19MAY08	27MAY08	27MAY08	0	211														
1501-550	Peer review C.S.Design	5	28MAY08	03JUN08	03JUN08	0	211														
1501-554	Resolve CS peer review Chits	5	04JUN08	10JUN08	10JUN08	0	211														
1501-562	Prepare Specs for Coil Structure & CSS h/w	14	11JUN08	30JUN08	30JUN08	0	211														
1501-537	FDR Prep	10	17JUN08	30JUN08	30JUN08	0	211														
1501-541	Coil Support Structures - FDR	0		30JUN08	30JUN08	0	211														

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								MAY	JUN	JUL	MAY	JUN	JUL	MAY	JUN	JUL										
Dudek													8	5	12	19	26	2	9	16	23	30	7	14	21	2
Job: 1429 - MC Interface R&D-DUDEK																										
Outboard Interface-Friction																										
1429-3030	G-10 Test	12	01MAY08*	16MAY08	09MAY08	-5	1,615																			
Ellis																										
Job: 8205 - Dimensional Control Coordin-ELLIS																										
Station 3-Modular Coil to VVSA Assembly																										
METDCP-3	Dimensional control plans for station 3	74*	01FEB08A	14MAY08	30APR08	-10	168																			
STAT3 PREP	Station 3 preparations	30	01MAY08	12JUN08	09JUN08	-3	166																			
METFY08R	Support FPA Station 2	442*	01FEB08A	02NOV09	02NOV09	0	1,249																			
Goranson																										
Job: 1601 - Coil Services Design-GORANSON																										
161 - LN2 Distribution																										
191-001	Title I design WBS 161 LN2 manifolds&piping	86*	01FEB08A	02JUN08	02JUN08	0	230																			
162-201	Layout distribution system header geometry&locat	0		09MAY08*	09MAY08*	0	245																			
162-209	Perform thermohydraulic analyses	0		16MAY08*	16MAY08*	0	240																			
162-211	Design hose electric break fittings	0		23MAY08*	23MAY08*	0	235																			
162-213	Route MC, TF, PF hoses	0		30MAY08*	30MAY08*	0	231																			
162-215	Develop SRD	0		23MAY08*	23MAY08*	0	235																			
191-002	Coil Serv-LN2 manifolds&piping-PDR (incl SRD)	1	03JUN08	03JUN08	03JUN08	0	230																			
162-011A	R&D pressure drop simulation	15	04JUN08	24JUN08	24JUN08	0	280																			
162-217	PDR	0		03JUN08	03JUN08	0	230																			
161-003	Resolve PDR comments	5	04JUN08	10JUN08	10JUN08	0	230																			
161-004	Update cost estimate for Coil Services	0		30JUN08*	30JUN08*	0	260																			
191-011	Title II design WBS 161 LN2 manifolds&piping	60	11JUN08	04SEP08	04SEP08	0	230																			
161-110	Fabrication specifications	65	05JUN08	05SEP08	05SEP08	0	230																			
161-100	meetings/reporting/presentations	267	01FEB08A	24FEB09	24FEB09	0	1,425																			
162 - Electrical Leads																										
1416-503C	Complete drawings of MC power cable connections	95*	01FEB08A	13JUN08	31MAR08	-53	288																			
161-209	Route MC leads	0		13JUN08*	13JUN08*	0	288																			
132-001	Title I design WBS 162 Coil leads	143*	01FEB08A	21AUG08	21AUG08	0	240																			
161-203	Layout MC stubs, terminations	0		09MAY08*	09MAY08*	0	312																			
161-205	Determine lead gauges	0		16MAY08*	16MAY08*	0	307																			
161-207	Locate Thermal Transition Boxes (TTB)	0		09JUN08*	09JUN08*	0	292																			
162-100	meetings/reporting/presentations	201*	01FEB08A	12NOV08	12NOV08	0	1,490																			
Heitzenroder																										
Job: 8202 - Engr Mgmt & Sys Eng Sprt-HEITZENROED																										
8205DC	document control & admin support	967*	01FEB08A	13DEC11	13DEC11	0	724																			
8205FY08.2	Engr mgt & systems engr FY08	170*	01FEB08A	30SEP08	30SEP08	0	1,521																			
Kalish																										
Job: 1361 - TF Fabrication-KALISH																										
TF Title III and Fabrication Oversight																										
131-033C	Title III engr,inspection, support	214*	02JAN08A	30OCT08	30OCT08	0	1,499																			

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								MAY	JUN	JUL	
TF Fabrication Contract								8 5	12 19 26 2	9 16 23 30 7	14 21 2
1361C-113	Fab, Test & Deliver Coil #13	1	16MAY08*	16MAY08	16MAY08	0	531				
1361C-114	Fab, Test & Deliver Coil #14	1	10JUN08*	10JUN08	10JUN08	0	531				
Job: 1354 - Trim Coil Design & Procurement-KALISH											
Trim Coil **Updated estimate**											
TRIM-120	Modifications to allow for mid-plane coils	100*	25MAR08A	13AUG08	13AUG08	0	331				
TRIM-160	Approve Trim Coil Procurement Spec	7*	01MAY08	09MAY08	25APR08	-10	233				
TRIM-200	Structure Assy drawings & parts list	39*	01APR08A	23MAY08	14MAY08	-7	223				
TRIM-240	Trim Coil Procurement time	29	16MAY08A	07JUL08	19JUN08	-11	223				
Perry											
Job: 1752 - Base Support Proc-PERRY											
172 - Base Support Structure											
161-038	Title III	306	10JUN08*	28AUG09	05AUG09	-17	1,294				
Job: 8215 Plant Design											
FY07 Rebaseline Exercise											
8210-08	Plant Design	746*	01FEB08A	31JAN11	31JAN11	0	945				
Raftopolous											
Job: 1701 - Cryostat Design											
1701-090	Cryostat Configuration Peer Review	0		21MAY08*	21MAY08*	0	247				
1701-230	Cryostat Consultant/Expert Award Contract	0		23MAY08*		0	0				
1701-120	Design PPPL prototype	5	19MAY08*	23MAY08		0	0				
1701-130	Design ORNL prototype	5	19MAY08*	23MAY08		0	0				
1701-140	Procure materials for PPPL prototype	7	14MAY08A	22MAY08		0	223				
1701-150	Procure material for ORNL prototype	7	14MAY08A	22MAY08		0	223				
1701-160	Fabricate prototype PPPL	10	27MAY08	09JUN08		0	222				
1701-170	fabricate prototype ORNL	10	27MAY08	09JUN08		0	222				
1701-180	Develop test criteria	5	27MAY08	02JUN08		0	227				
1701-190	Test PPPL prototype warm	3	10JUN08	12JUN08		0	222				
1701-200	Test ORNL prototype warm	3	10JUN08	12JUN08		0	222				
1701-210	Test PPPL prototype cold	10	13JUN08	26JUN08		0	222				
1701-220	Test ORNL prototype cold	10	13JUN08	26JUN08		0	222				
1701-240	SRD Draft	2	01JUL08	02JUL08		0	218				
1701-280	Requirement document approved	0		02JUL08		0	218				
62122-306	Review of current baseline cryo system dsn	0		10JUN08*	10JUN08*	0	234				
62122-307	Review of alternate cryo system design	0		30JUN08*	30JUN08*	0	220				
1701-095	Decide on Cryostat Concept	0		02JUL08*	02JUL08*	0	218				
1701-091	Update cost estimate for Cryostat & cryo systems	0		02JUL08	02JUL08	0	258				
1701-250	FMECA Draft	11	09MAY08A	15MAY08		0	291				
1701-260	Interface Document Draft	6	22MAY08*	30MAY08		0	0				
1701-100	Cryostat- Conceptual Design	40	03JUL08	28AUG08	11AUG08	-13	218				
1701-100M	INTEGRATED CRYO SYSTEMS CDR (wbs 16,17,62)	0		28AUG08	11AUG08	-13	218				
1701-101	Cryostat- Preliminary design	91	29AUG08	16JAN09	19DEC08	-13	218				
1701-121	INTEGRATED CRYO SYSTEMS- PDR (incl SRD)	0		16JAN09	19DEC08	-13	218				
1701-131	Cryostat- Final Design	107	19JAN09	17JUN09	29MAY09	-13	218				
1701-141	INTEGRATED CRYO SYSTEMS- FDR	0		17JUN09	29MAY09	-13	218				
1751-169	Cryogenic consultant/Expert start	247	27MAY08*	21MAY09	28APR09	-17	1,363				

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								MAY			JUN			JUL							
								8	5	12	19	26	2	9	16	23	30	7	14	21	28
1751-170	Cryostat & Cryogenic systems oversight&reporting	418*	01FEB08A	29SEP09	29SEP09	0	1,273														
Job: 6201 - Cryogenic Syst																					
621 - LN2 Supply & LN2 coil cooling supply																					
62122-300	Conceptual Design	71	01MAY08*	11AUG08	11AUG08	0	325														
62122-308	Update cost estimate for Cryogenic systems	0		30JUN08*	30JUN08*	0	354														
6201-169	Cryogenic consultant (Vic Garzotto)	493	01MAY08*	26APR10	26APR10	0	1,134														
623 - GN2 Cryostat Cooling System																					
623-099	GN2 Cryostat Cooling Sys Conceptual design	71	01MAY08*	11AUG08	11AUG08	0	231														

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								MAY	JUN	JUL	
Larry Dudek								8 5	12 19 26 2	9 16 23 30 7	14 21 2
Brown											
Job: 1803/1805- FPA Tooling/Constr-BROWN											
Station 3-Modular Coil to VVSA Assembly											
1803S3-4	Generate laser screen trace drawings (3 periods)	15	28MAY08	17JUN08	12JUN08	-3	166				
1803S3-6	Station 3 simulation detail model	21*	01MAY08A	30MAY08	30MAY08	0	178				
1803S3-7	VV/MC clearance study (for VVSA1)	29*	01APR08A	09MAY08	09MAY08	0	180				
1803S3-7B	VV/MC clearance study (for VVSA 2 and 3)	11	15MAY08*	30MAY08	30MAY08	0	1,606				
1803S3-8	Station 3 deflection FEA study	12	12MAY08	28MAY08	28MAY08	0	180				
1803S3-10	Complete station 3 design & analysis	0		30MAY08	30MAY08	0	178				
1803S3-9	Oversite, cost and schedules, reviews	171*	31JAN08A	30SEP08	30SEP08	0	1,521				
1805S3-2	Left side base grout plates	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-3	MCHP lift fixture frame weldment	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-4	Lift fixture mounting bracket weldments	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-5	Reworked laser frame structure	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-6	Right inboard laser frame structure	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-7	Left inboard laser frame structure	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-8	Laser screen lexan sheet (1/8 x 48" x 96")	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-9	Estimate for Station 2 type alignment system	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-100	Hardware & Misc items	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-110	Misc assembly Cost	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-201	MC base support system (left / rt side)	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-202	Hilman roller - 8-0T plus R & U guides	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-203	AirLoc Wedgmount Precision Levelers	49*	24MAR08A	30MAY08	04AUG08	45	173				
1805S3-204	Lift fixture mounting bracket weldments	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-205	Estimate for Station 2 type alignment system	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-206	Hardware & Misc items	49*	24MAR08A	30MAY08	30APR08	-21	173				
1805S3-207	Misc assembly Cost	171*	31JAN08A	30SEP08	30APR08	-106	1,521				
Station 5-Final Field Period Assembly											
1803S5-14	Oversite, cost and schedules, reviews	170	01MAY08*	09JAN09	29SEP08	-65	1,457				
6.00-Final Machine Assembly											
1803S6-1	Stage 6 FP support and roller system	187*	01APR08A	02JAN09	25SEP08	-62	341				
Chrzanowski											
Job: 1408 - MC Winding Supplies-CHRZANOWSKI											
1408-3	Misc and safety supplies (\$7k/mo.)	276*	23MAY07A	30JUN08	30JUN08	0	1,585				
1408-6	VPI clean manifold contract	276*	23MAY07A	30JUN08	30JUN08	0	1,585				
1408-8	Cutting hardware for flange bolts	276*	23MAY07A	30JUN08	30JUN08	0	1,585				
1408-7	Misc tech shop support	276*	23MAY07A	30JUN08	30JUN08	0	1,585				
Job: 1451 - Mod Coil Winding-CHRZANOWSKI											
Station 3-Casting Prep & Winding											
P1-161	Wind coil A6	35*	28MAR08A	15MAY08	27MAY08	7	122				
P1-170	Instl Chill Plates,Tubing,Bag A6	32*	16MAY08	01JUL08	29JUL08	19	122				
Station 1 Post VPI											
P3-171C	Final Clamps & Warm Test (Station1) B5	38*	19MAR08A	09MAY08	13MAY08	2	199				
P2-171C	Final Clamps & Warm Test (Station1) B6	16	01MAY08	22MAY08	23JUN08	21	181				

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								MAY	JUN	JUL											
LOE Oversight & Supervision								8	5	12	19	26	2	9	16	23	30	7	14	21	28
145XSPRV-2	Winding Engineering oversight and supervision	314*	01MAY07A	31JUL08	31JUL08	0	1,563	[Gantt bar]													
145XSPRV-3	Winding Engineering oversight and supervision	356*	01MAY07A	30SEP08	30SEP08	0	1,521	[Gantt bar]													
145XSPRV-A	Winding Engineering oversight and supervision	185*	01NOV07A	31JUL08	31JUL08	0	1,563	[Gantt bar]													
Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI																					
Punchlist Tech shop/RESA																					
PLTS-C5	Grinding & Drill Holes -C5	22*	01MAY08	02JUN08	18APR08	-30	271	[Gantt bar]													
PLTS-A5	Grinding -A5	23*	01MAY08	03JUN08	31JAN08A	-87	183	[Gantt bar]													
PLTS-B5	Grinding -B5	5	04JUN08	10JUN08	20MAY08	-14	183	[Gantt bar]													
PLTS-A6	Grinding -A6	5	01OCT07A	22AUG08	19SEP08	19	122	[Gantt bar]													
PLTS-B6	Grinding -B6	5	23MAY08	30MAY08	30JUN08	21	181	[Gantt bar]													
PLTS-C6	Grinding & Drill Holes -C6	20	01MAY08	29MAY08	27FEB08	-65	182	[Gantt bar]													
PLTS-GRIND	Coil to coil fitup modifications (grinding/cp)	165*	01DEC07A	31JUL08	31JUL08	0	1,563	[Gantt bar]													
Punchlist- Coil Technicians																					
PLCT-A1	Insul,measure,TC, other punch list-A1	228*	01AUG07A	30JUN08	30NOV07A	-143	1,585	[Gantt bar]													
PLCT-A2	Insul,measure,TC, other punch list-A2	228*	01AUG07A	30JUN08	30NOV07A	-143	1,585	[Gantt bar]													
PLCT-B1	Insul,measure,TC, other punch list-B1	228*	01AUG07A	30JUN08	30NOV07A	-143	1,585	[Gantt bar]													
PLCT-C1	Insul,measure,TC, other punch list-C1	228*	01AUG07A	30JUN08	30NOV07A	-143	1,585	[Gantt bar]													
PLCT-B2	Insul,measure,TC other punch list-B2	205*	04SEP07A	30JUN08	08JAN08A	-123	1,585	[Gantt bar]													
PLCT-C2	Insul,measure,TC, other punch list-C2	248*	03JUL07A	30JUN08	21DEC07A	-128	98	[Gantt bar]													
PLCT-A3	Insul,measure,TC, other punch list-A3	247*	05JUL07A	30JUN08	14FEB08	-96	132	[Gantt bar]													
PLCT-A4	Insul,measure,TC, other punch list-A4	246*	06JUL07A	30JUN08	05MAR08	-82	132	[Gantt bar]													
PLCT-B3	Insul,measure,TC, other punch list-B3	186*	01OCT07A	30JUN08	20MAR08	-71	40	[Gantt bar]													
PLCT-C3	Insul,measure,TC, other punch list-C3	186*	01OCT07A	30JUN08	07APR08	-59	105	[Gantt bar]													
PLCT-B4	Insul,measure,TC, other punch list-B4	186*	01OCT07A	30JUN08	21APR08	-49	124	[Gantt bar]													
PLCT-C4	Insul,measure,TC, other punch list-C4	233*	25JUL07A	30JUN08	02MAY08	-40	210	[Gantt bar]													
PLCT-A5	Insul,measure,TC, other punch list-A5	14	30JUL07A	11JUN08	12MAY08	-21	183	[Gantt bar]													
PLCT-A6	Insul,measure,TC,SG other punch list-A6	14	01OCT07A	12SEP08	09OCT08	19	122	[Gantt bar]													
PLCT-B5	Insul,measure,TC, other punch list-B5	14	01OCT07A	30JUN08	29OCT08	85	183	[Gantt bar]													
PLCT-C5	Insul,measure,TC, other punch list-C5	18	01OCT07A	08MAY08	06NOV08	127	219	[Gantt bar]													
PLCT-B6	Insul,measure,TC,SG other punch list-B6	14	01OCT07A	19JUN08	21JUL08	21	181	[Gantt bar]													
PLCT-C6	Insul,measure,TC,SG other punch list-C6	14	01OCT07A	18JUN08	18MAR08	-65	182	[Gantt bar]													
PLCT-CRANE	Crane support	207*	01DEC07A	30SEP08	30SEP08	0	1,521	[Gantt bar]													
Dudek																					
Job: 1431 - Mod. Coil Interface Hardware-DUDEK																					
Pucks																					
1429-3110	PPPL cut and grind to thickness	290*	04FEB08A	31MAR09	31MAR09	0	16	[Gantt bar]													
Shims-Outboard																					
1429-3066	Outboard Shims	135	03MAR08A	03SEP08	03SEP08	0	79	[Gantt bar]													
Shims-Inboard																					
1429-3062X	Inboard Shims	208*	03MAR08A	02JAN09	02JAN09	0	73	[Gantt bar]													
Studs,Washers,Nuts																					
1421-3070	Order studs & washers for c-c joint	264	12MAY08*	02JUN09	02JUN08	-249	285	[Gantt bar]													
1421-3073	Deliver supernuts for c-c joint	40	03JUN08*	29JUL08	29JUL08	0	547	[Gantt bar]													
Misc Tech Shop Support																					
1421-4000	Misc Tech Shop support through sta 2 (1/2 mm/mo.	499*	01OCT07A	30SEP09	30SEP09	0	1,272	[Gantt bar]													

Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	Baseline Finish	Schedule slip to baseline (work days)	Remaining Float	FY08																		
								MAY	JUN	JUL																
Perry													8	5	12	19	26	2	9	16	23	30	7	14	21	2
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																										
GPP Projects Required for NCSX (non-MIE cost)																										
GPP-01	CS Crane	0		30MAY08*	30MAY08*	0	470																			
714.020	LOE Prior to assy starting	583*	01OCT07A	25JAN10	25JAN10	0	1,221																			
Stratton																										
Job: 3101 - Magnetic Diagnostics-STRATTON																										
Modular Coil C-wound Loops																										
3101-230	Check elect characteristics of T/C	20	13JUN08*	11JUL08	27OCT08	75	1,577																			
Rogowski Coils																										
3101-352	Assy & detail dgws	78*	01FEB08A	20MAY08	03APR08	-33	397																			
3101-353	Prep installation procedure	31	21MAY08	03JUL08	16MAY08	-33	397																			
3101-370	Check elect characteristics of cables	30	09MAY08*	20JUN08	23APR10	456	1,591																			
3101-357	Fab coil clamps & ends	12*	15MAY08A	02JUN08	02JUN08	0	420																			
3101-359	Install Rogowski coils support (in job 1815)	63*	02APR08A	30JUN08	30APR08	-42	499																			
3101-360	Title III support	165*	09MAY08*	12JAN09	19MAR10	296	1,456																			
TF and PF Co-wound Loops																										
3101-425	Design Protective boxes for PF	227*	01NOV07A	30SEP08	01APR08	-127	1,431																			
3101-426	Purchase SS Sheet	220*	12NOV07A	30SEP08	18JUN08	-72	252																			
3101-452	Form Protective boxes	223*	12NOV07A	03OCT08	23JUN08	-72	252																			
3101-454	Weld end plates of PF protective boxes	224*	09NOV07A		30JUN08	-67																				
3101-427	Purchase Heat Shrink tubing	220*	12NOV07A	30SEP08	19MAY08	-93	1,431																			
3101-428	Purchase add'l CoAxial cable	46	01MAY08*	07JUL08	07JUL08	0	315																			
3101-458	Fab PF & solenoid co-wound loops	186	02JUL07A	10NOV08	15AUG08	-60	1,431																			
T/C and Heater Tape Leads																										
1204-141	Drawings Signed T/C and Heater Tape Leads	20*	02MAY08A	30MAY08	01MAY08*	-20	258																			
1204-144	Check elect characteristics T/C & heater port 12	11*	02JUN08	16JUN08	04AUG08	34	324																			
1204-147	Field/Fab support (title III) T/C&Heater Tape	65	02JUN08	02SEP08	04AUG08	-20	1,541																			
Voltage Loops & Protective Boxes																										
3101-806	Check elect characteristics of coax	20	16MAY08*	13JUN08	13JUN08	0	1,596																			
3101-807	Check elect characteristics ex-vessel flux loops	32*	01MAY08	16JUN08	30OCT08	96	1,595																			
Job: 3901 - Diagnostics sys Integration-STRATTON																										
390-04	LOE Support FY08	249*	01OCT07A	29SEP08	29SEP08	0	1,522																			
Viola																										
Job: 1802 - FP Assy Oversight&Support-VIOLA																										
Oversight and Supervision																										
1802ORNLO2	ORNL Title III field period assy station 2	441*	04FEB08A	02NOV09	02NOV09	0	0																			
R1802-003	Metrology Engr Super FY08	250*	01OCT07A	30SEP08	30SEP08	0	1,521																			
R1802-007	FPA Management FY08	250*	01OCT07A	30SEP08	30SEP08	0	1,521																			
R1802-009	PU Title III support	630*	04FEB08A	10AUG10	10AUG10	0	0																			
R1802-010	Drexel co-op student support	630*	04FEB08A	10AUG10	10AUG10	0	0																			
R1802-015	HP Coverage in the TFTR TC LOE FY08	250*	01OCT07A	30SEP08	30SEP08	0	1,521																			
1802MISC	Misc materials,tools, GSA vehicle,rigging	615*	01FEB08A	19JUL10	19JUL10	0	1,076																			

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								MAY	JUN	JUL											
								8	5	12	19	26	2	9	16	23	30	7	14	21	28
8203FY08.2	Title III Design support FY08 PPPL	170*	01FEB08A	30SEP08	30SEP08	0	1,521														
Station 3 procedures,JHA,ACC,Training,Prep																					
R1802-307	Procedures written & approved	23*	14APR08A	14MAY08	14MAY08	0	168														
R1802-309	JHA completed	6	15MAY08	22MAY08	22MAY08	0	168														
R1802-311	Training needs identified & released	6	23MAY08	02JUN08	02JUN08	0	168														
R1802-313	ACC review completed	6	03JUN08	10JUN08	10JUN08	0	168														
R1802-315	Pre-job brief completed	6	11JUN08	18JUN08	18JUN08	0	168														
Job: 1810 - Field Period AssyStation 1,2,3 VIOLA																					
General Assy Support																					
R1810-003	LOE Crane support, fixture setupfor FY08	250*	01OCT07A	30SEP08	30SEP08	0	1,521														
R1810-025	Crane & Rigging inspections	625*	01FEB08A	02AUG10	02AUG10	0	1,066														
R1810-035	Welding qualifications	625*	31JAN08A	30JUL10	30JUL10	0	1,067														
R1810-007	LOE Field Supervision for FY08	250*	01OCT07A	30SEP08	30SEP08	0	1,521														
R1810-2001	Misc Hardware and hardware rework (1/2 fte loe)	615*	01FEB08A	19JUL10	19JUL10	0	1,076														
S21-4.02	Perform routine metrology set-up and checks (loe)	526*	01FEB08A	12MAR10	12MAR10	0	1,165														
Station 1-VV Prep (hard surface components) FP#1																					
R1810-1110	Install Final Internal&Ext monuments & meas	4	02MAY08A	05JUN08	07MAY08	-20	258														
R1810-1114	Install heater tape on all removable ports	25	01MAY08	05JUN08	07MAY08	-20	258														
R1810-1100	Design & Build heater& thermo termination box	41	01MAY08*	27JUN08	01MAY08	-40	1,586														
R1810-1111	Final Scan	4	06JUN08	11JUN08	03JUN08	-6	258														
R1810-1113	Prepare &transfer completed VV to holding area	5	12JUN08	18JUN08	10JUN08	-6	258														
Station 1- VV Prep (hrd surf cmpntsFP#2																					
R1810-1208	Perform final acceptance testing (H/C flow test)	32	01MAY08	16JUN08	30MAY08	-11	329														
R1810-1216	Install Final Internal&Ext monuments & meas	20	17JUN08	15JUL08	27JUN08	-11	329														
R1810-1214	Install heater tape on all removable ports	25	17JUN08	22JUL08	09SEP08	34	324														
Station 1- VV Prep (hrd surf cmpntsFP#3																					
R1810-1308	Perform final acceptance testing (H/C flow test)	22	17JUN08*	17JUL08	01JUL08	-11	368														
R1810-1310	Heater and thermo termination & verification	19*	30APR08A	27MAY08	29OCT08	109	404														
Setup																					
R1810-2034	Misc Tool and Hardware	375*	01MAY08	28OCT09	28OCT09	0	1,252														
R1810-2036	Fuji Paper	454*	01MAY08	02MAR10	02MAR10	0	1,173														
R1810-2081	Removable photogrammetry targets	355*	01MAY08*	30SEP09	30SEP09	0	1,272														
R1810-2082	Fixed photogrammetry targets	355*	01MAY08*	30SEP09	30SEP09	0	1,272														
R1810-2083	Replacement photogrammetry targets	355*	01MAY08*	30SEP09	30SEP09	0	1,272														
R1810-2084	Design and purchase 3 additional wedge supports	44*	01APR08A	02JUN08	02JUN08	0	1,605														
R1810-2024	Rework wedges f/combined assemblies& coil handli	106*	01MAY08	30SEP08	16JUN08	-74	1,521														
R1810-2026	Setup up satellite shop in Mock-up area	43*	01APR08A	30MAY08	22MAY08	-5	1,606														
R1810-2087	Coordinate measuring machine	21	01MAY08*	30MAY08	30MAY08	0	1,606														
R1810-2088	HEPA machine tool exhaust system	21	01MAY08*	30MAY08	30MAY08	0	1,606														
R1810-2089	Tools, cabinets & storage shelving	579*	01MAY08*	26AUG10	26AUG10	0	1,048														
R1810-2002	Purchase grinding machine	21	01MAY08	30MAY08	30MAY08	0	1,606														
R1810-2090	Consulting services nose welding (England)	644	01MAY08*	30NOV10	26AUG10	-65	983														
S20-4.02	Perform metrology set-up;purchase 6 pillars	21	01MAY08*	30MAY08	30MAY08	0	1,606														
Pre-Measuring and fitup checks																					
Pre measurement of MCHP A2,B2,C2 flanges																					
S22-3.02	Compress shims sort by thickness	50	01MAY08	11JUL08	10JUL08	-1	90														

Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	Baseline Finish	Schedule slip to baseline (work days)	Remaining Float	FY08															
								MAY	JUN			JUL											
								8	5	12	19	26	2	9	16	23	30	7	14	21	28		
Pre measurement of MCHP A3,B3,C3 flanges																							
2-3-2.99	Drill Stycast fill holes	3	27JUN08	01JUL08	01JUL08	0	39																
S23-3.02	Compress shims sort by thickness	6	27JUN08	07JUL08	07JUL08	0	39																
S23-4.01	Install MCHP fixtures & metrology equipt	6	24JUN08*	01JUL08	01JUL08	0	39																
Pre measurement of MCHP A5,B5,C5 flanges																							
S25-1.01	Verify mating MC's of MCHP will come together	4	06JUN08	11JUN08	10OCT08	85	183																
S25-2.01	Set the B5 coil on fixture, & measure	1	12JUN08	12JUN08	13OCT08	85	183																
S25-2.02	Align to the conical seats locking into min of 8	2	13JUN08	16JUN08	15OCT08	85	183																
S25-2.03	Measure monuments on fixture and walls.	7	17JUN08	25JUN08	24OCT08	85	183																
S25-2.04	Measure tooling ball monuments	1	26JUN08	26JUN08	27OCT08	85	183																
S25-2.05	Scan the B flange of B5	1	27JUN08	27JUN08	28OCT08	85	183																
S25-2.07	Remove B5 move to holding area.	1	30JUN08	30JUN08	29OCT08	85	183																
Station 2 MC subassy A1B1C1																							
AB-C MC Assembly																							
2-1-7.12	Torque50% of final value.	1	15MAY08*	15MAY08	19MAY08	2	57																
2-1-7.13	Measure position of all monuments	2	14MAY08	15MAY08	19MAY08	2	57																
2-1-7.14	Measure shim puck height	1	15MAY08	15MAY08	19MAY08	2	57																
2-1-7.15	remove puck locating rings & install all nose s	3	16MAY08	20MAY08	22MAY08	2	57																
2-1-7.16	"Lightly" tack weld nose flex shims	1	21MAY08	21MAY08	23MAY08	2	57																
2-1-7.17	remove "C" coil & place it on a separate fixtur	1	22MAY08	22MAY08	27MAY08	2	57																
2-1-7.18	Recheck part alignment & weld all Type-B flex s	3	23MAY08	28MAY08	30MAY08	2	57																
2-1-7.19	After welding "B" coil nose shims recheck align	1	29MAY08	29MAY08	02JUN08	2	57																
2-1-7.20	Back office assessment of part after weld	2	30MAY08	02JUN08	04JUN08	2	57																
2-1-7.21	Measure "C" fiducials	1	30MAY08	30MAY08	03JUN08	2	58																
2-1-7.22	Weld all Type-C (A-flange) flex shims plasma sid	2	03JUN08	04JUN08	06JUN08	2	57																
2-1-7.23	After welding determine metrology acceptance	1	05JUN08	05JUN08	09JUN08	2	57																
2-1-7.24	Back office assessment	2	06JUN08	09JUN08	11JUN08	2	57																
2-1-7.25	Remove shims for alignment mating coil	0	06JUN08	05JUN08	09JUN08	2	59																
2-1-7.07	Place unfilled shim bags in wing areas	1	06JUN08	06JUN08	10JUN08	2	59																
2-1-7.26	Lower mating "C" coil into position.	1	10JUN08	10JUN08	12JUN08	2	57																
2-1-7.261	alignment "C" coil tooling balls	1	11JUN08	11JUN08	13JUN08	2	57																
2-1-7.27	position coil accurately in x, y, & z directio	1	12JUN08	12JUN08	16JUN08	2	57																
2-1-7.28	Install shims;studs, & "wiggle"	1	13JUN08	13JUN08	17JUN08	2	57																
2-1-7.29	Torque50% of final value.	1	16JUN08	16JUN08	18JUN08	2	57																
2-1-7.30	Measure position of all monuments	1	17JUN08	17JUN08	19JUN08	2	57																
2-1-7.301	Fuji paper, & examine load sharing. back office	2	18JUN08	19JUN08	23JUN08	2	57																
2-1-7.302	Install new shims & Fuji paper. Lower & reposit	3	20JUN08	24JUN08	26JUN08	2	57																
2-1-7.303	Install shims without Fuji paper, studs & torqu	2	25JUN08	26JUN08	30JUN08	2	57																
2-1-7.31	Adjust shims locally. Re-torque all studs50%.	2	27JUN08	30JUN08	02JUL08	2	57																
Station 2 MC subassy A2B2C2																							
A-B MC Assembly																							
2-2-6.15	Recheck part alignment of "A" coil	2	15MAY08	16MAY08	07MAY08	-7	84																
2-2-6.151	Weld all Type-A flex shims plasma side	2	19MAY08*	20MAY08	09MAY08	-7	84																
2-2-6.16	recheck alignment	1	21MAY08	21MAY08	12MAY08	-7	84																
2-2-6.17	Back office assessment of part after weld	2	22MAY08	23MAY08	14MAY08	-7	84																
2-2-6.18	Measure "B" fiducials estab coord sys	1	22MAY08	22MAY08	13MAY08	-7	85																
2-2-6.19	Weld all Type-B (A-flange) flex shims plasma sid	2	27MAY08	28MAY08	16MAY08	-7	84																
2-2-6.20	Recheck part metrology acceptance criterion.	1	29MAY08	29MAY08	19MAY08	-7	84																
2-2-6.21	Back office assessment of part after weld	2	30MAY08	02JUN08	21MAY08	-7	84																
2-2-6.22	Remove shims as necessary	0	30MAY08	29MAY08	19MAY08	-7	85																
2-2-6.04	Place unfilled shim bags in wing areas	1	30MAY08	30MAY08	20MAY08	-7	85																

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								MAY			JUN			JUL									
								8	5	12	19	26	2	9	16	23	30	7	14	21	28		
2-2-6.23	Lower mating "B" coil into position.	1	03JUN08	03JUN08	22MAY08	-7	84																
2-2-6.231	Perform alignment "B" coil tooling balls	1	04JUN08	04JUN08	23MAY08	-7	84																
2-2-6.24	"B" coil, position coil accurately in x, y, &	1	05JUN08	05JUN08	27MAY08	-7	84																
2-2-6.25	Install shims; studs, supernuts, wiggle t	1	06JUN08	06JUN08	28MAY08	-7	84																
2-2-6.26	Torque 50% of final value.	1	09JUN08	09JUN08	29MAY08	-7	84																
2-2-6.27	Measure position of all monuments	2	10JUN08	11JUN08	02JUN08	-7	84																
2-2-6.28	Adjust shims locally. Re-torque all studs 50%.	3	12JUN08	16JUN08	05JUN08	-7	84																
2-2-6.29	Install bushing. Replace nut & tighten back 50%	3	17JUN08	19JUN08	10JUN08	-7	84																
2-2-6.30	After super bolt tightening, measure position	1	20JUN08	20JUN08	11JUN08	-7	84																
2-2-6.31	Tighten all bolts sir final torque.	1	23JUN08	23JUN08	12JUN08	-7	84																
2-2-6.32	After tightening hardware, measure position	2	24JUN08	25JUN08	16JUN08	-7	84																
2-2-6.33	Weld A / B nose region solenoid side	3	26JUN08	30JUN08	19JUN08	-7	84																
Station 2 MC subassy A3B3C3																							
A-B MC Assembly																							
2-3-6.01	Lower Type-A modular coil onto jacks	3	02JUL08*	07JUL08	07JUL08	0	39																
2-3-6.02	Mark nose shim locations & puck locations.	0	08JUL08	07JUL08	07JUL08	0	39																
2-3-6.03	Place initial set of shims (4-8) on Type	1	08JUL08	08JUL08	08JUL08	0	39																
Station 3 Setup/Preparations/General																							
Misc Prep activities																							
R1810-3112	Load Test 3 legged actuator lift fixtur	8	03JUN08*	12JUN08	12JUN08	0	169																
R1810-3113	Procure wire rope slings & 6 17ton shackles	8	03JUN08*	12JUN08	12JUN08	0	169																
R1810-3109	Remove winding stations & enclosures	20	12MAY08*	09JUN08	09JUN08	0	169																
R1810-3107	Test out station 3 equipment and procedures	30	01MAY08*	12JUN08	02JUN08	-8	169																
Station 3-Assemble Mod Coils and VVSA-FP#1																							
Set-up and Prep																							
3-1-1.01	transfer CAD models	7	19MAY08*	28MAY08	28MAY08	0	180																
3-1-1.02	Install Station 3 site monuments	3	13JUN08	17JUN08	12JUN08	-3	166																
3-1-1.03	Install floor mounted tracks and the VV base sup	5	02JUN08	06JUN08	07MAY08	-21	173																
Install Laser Screen																							
3-1-6.02	Place all laser screens	2	18JUN08	19JUN08	16JUN08	-3	166																
3-1-6.03	Turn each lasers on & measure each laser source	1	20JUN08	20JUN08	17JUN08	-3	166																
3-1-6.04	Print path on milar paper	0	23JUN08	20JUN08	17JUN08	-3	166																
Install Vacuum Vessel																							
3-1-7.02	Install VV NBI port support stand.	2	23JUN08	24JUN08	20JUN08	-2	166																
3-1-7.03	Install VVSA to base support and make connection	1	25JUN08	25JUN08	23JUN08	-2	166																
3-1-7.04	take tooling ball readings and secure VVSA	2	26JUN08	27JUN08	25JUN08	-2	166																
3-1-7.05	Scan VV surface and compare data	3	30JUN08	02JUL08	30JUN08	-2	166																

Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	Baseline Finish	Schedule slip to baseline (work days)	Remaining Float	FY08															
								MAY	JUN	JUL													
Al vonHalle								8	5	12	19	26	2	9	16	23	30	7	14	21	2		
Gentile																							
Job: 8501 - Integrated Systems Testing-GENTILE																							
Startup Documentation																							
Y																							
8501-000	Health/Safety Directive HSD 5008 Classification	0		30JUN08	30JUN08	0	537																
Ramakrishnan																							
Job: 4301 - DC Systems-RAMAKRISHNAN																							
431 - C-Site DC Systems																							
431-240	Simulate each of 6 pwr loops in PSCAD	467*	01APR08A	17FEB10	17FEB10	0	234																
431-250	c-site dc sys DGS dsn documentation	466*	01APR08A	16FEB10	16FEB10	0	235																
431-261	Redo power loop design	355	01MAY08*	30SEP09	30SEP09	0	324																
431-275A	Power cabling & Installation FY08	85*	02JUN08*	30SEP08	30SEP08	0	486																
431-276	Maint of C-site rectifiers	997*	01OCT07A	30SEP11	30SEP11	0	774																
Job: 4401 - Control & Protection-RAMAKRISHNAN																							
441 - Electrical Interlocks																							
441-100	PLC Specification	160	01MAY08*	17DEC08	17DEC08	0	314																
445 - Coil Protection Systems																							
445-2-110	Overload Protect-Design	351*	01APR08A	24AUG09	24AUG09	0	337																
Sichta																							
Job: 5801 - Central I&C Integr& Oversight-SICHTA																							
R58-20	WBS58 -FY08 Management & Integration LOE	250*	01OCT07A	30SEP08	30SEP08	0	1,521																