



Activity ID	WAF	Activity Description	Duration (work days)	Baseline Start	Baseline Finish	Shifts	Total Float	FY07					FY08					FY09					FY10					FY11																							
								M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
R1810-2009		Perform trial x-y-z alignments on A1-A2.	7	01MAY07*	09MAY07	1	291	EM//TB =140hr ; 41=02\$K ;																																											
R1810-2010		Perform developmental trials on A1-A2.	30	10MAY07*	21JUN07	1	291	EM//TB =600hr ; 41=02\$K ; Perform developmental trials on A1-A2.																																											
R1810-2011		Alignment mechanisms, metro equipt & positioning	6	22JUN07	29JUN07	1	291	EM//TB =120hr ; 41=40\$K ; Alignment mechanisms, metro equipt & positioning																																											
R1810-2013		Procure alignment mechanisms, fiducials, lifting	20	01MAY07*	29MAY07	1	284	EM//TB =400hr ; 41=25\$K ;																																											
R1810-2015		Develop procedures for torquing bolts	4	01MAY07*	04MAY07	1	289	EM//TB =80hr ;																																											
R1810-2017		Determine fiducial types&locations	11	07MAY07	21MAY07	1	289	EM//TB =220hr ; 41=02\$K ; Determine fiducial types&locations																																											
R1810-2019		Procure monuments&related metrology equipment	15	01MAY07*	21MAY07	1	289	EM//TB =300hr ; 41=15\$K ;																																											
R1810-2023		Install FIRST Holding 20 deg fixture	4	22JAN07A	04MAY07A	1		Install FIRST Holding 20 deg fixture																																											
R1810-2025		Install SECOND Holding 20 deg fixture	3	01MAY07*	03MAY07	1	331	EM//TB =60hr ; 41=02\$K ;																																											
R1810-2027		Install THIRD Holding 20 deg fixture	6	01MAY07*	08MAY07	1	328	EM//TB =120hr ; 41=02\$K ;																																											
R1810-2029		Install LAST Holding 20 deg fixture	3	06JUN07*	08JUN07	1	306	EM//TB =60hr ; 41=02\$K ; Install LAST Holding 20 deg fixture																																											
R1810-2021		Tools&tooling available for FPA operations	0		29JUN07	1	291	EM//TB =00hr ; Tools&tooling available for FPA operations																																											
<b>Station 2-Modular Coil Subassembly-FP#1</b>																																																			
R1810-2002		Test out Equip & Procedures	7	01OCT07	09OCT07	1	221	Test out Equip & Procedures EM//TB =140hr ;																																											
R1810-2004		Receive Drawings & Hardware (shims & Bolts)	7	01OCT07	09OCT07	1	221	EM//TB =140hr ; Receive Drawings & Hardware (shims & Bolts)																																											
R1810-2108		HARDWARE, DRAWINGS, & PROCURES AVAILABLE	0		09OCT07	1	221	HARDWARE, DRAWINGS, & PROCURES AVAILABLE STATION 2																																											
R1810-2109		Begin A1/B1/C1 Mobilize	1	10OCT07	10OCT07	1	221	Begin A1/B1/C1 Mobilize EM//TB =20hr ;																																											
R1810-2110		Re-measure Type A "A" flange	3	11OCT07	15OCT07	1	221	Re-measure Type A "A" flange EM//TB =50hr ;																																											
R1810-2111		Pre-fit & install alignment tooling A1-A2	4	16OCT07	19OCT07	1	221	EM//TB =80hr ; Pre-fit & install alignment tooling A1-A2																																											
R1810-2113		Align A1-A2& with 3 shims and studs	2	22OCT07	23OCT07	1	221	EM//TB =40hr ; Align A1-A2& with 3 shims and studs																																											
R1810-2114		Measure A1-A2 shims with gage blocks	1	24OCT07	24OCT07	1	221	EM//TB =10hr ; Measure A1-A2 shims with gage blocks																																											
R1810-2116		install 3 bushings for alignment A1-A2	2	25OCT07	26OCT07	1	221	EM//TB =40hr ; install 3 bushings for alignment A1-A2																																											
R1810-2143		Begin 3 pack A1/B1/C1 Install A1	3	29OCT07	31OCT07	1	221	Begin 3 pack A1/B1/C1 Install A1 EM//TB =60hr ;																																											
R1810-2145		Align A1-B1 with 3 shims and studs	2	01NOV07	02NOV07	1	221	Align A1-B1 with 3 shims and studs EM//TB =40hr ;																																											
R1810-2117		Install shims with Fuji paper	1	05NOV07	05NOV07	1	221	Install shims with Fuji paper EM//TB =20hr ;																																											
R1810-2118		Install studs	1	06NOV07	06NOV07	1	221	Install studs EM//TB =10hr ;																																											
R1810-2126		Measure shims with gage blocks	1	07NOV07	07NOV07	1	221	Measure shims with gage blocks EM//TB =10hr ;																																											
R1810-2119		measure/grind/install nose shims	3	08NOV07	12NOV07	1	221	measure/grind/install nose shims EM//TB =100hr ;																																											
R1810-2120		Tension 50%	1	13NOV07	13NOV07	1	221	Tension 50% EM//TB =40hr ;																																											
R1810-2123		Measure nose shims	1	14NOV07	14NOV07	1	221	Measure nose shims EM//TB =20																																											
R1810-2125		Verify alignment A1-B1	2	15NOV07	16NOV07	1	221	Verify alignment A1-B1 EM//TB =40hr ;																																											
R1810-2128		Tack nose shim one side	1	19NOV07	19NOV07	1	221	Tack nose shim one side EM//TB =20hr ;																																											
R1810-2127		De Tension & remove Fuji	1	20NOV07	20NOV07	1	221	De Tension & remove Fuji EM//TB =40hr ;																																											
R1810-2131		Final adjustment to shims-install final outboard	2	21NOV07	22NOV07	1	221	EM//TB =80hr ; Final adjustment to shims-install final outboard																																											
R1810-2135		Re Tension 50%	1	23NOV07	23NOV07	1	221	Re Tension 50% EM//TB =40hr ;																																											
R1810-2132		Fabricate Nose Clamps	10	12NOV07	23NOV07	1	221	Fabricate Nose Clamps EM//TB =400hr ;																																											
R1810-2133		Install Nose Clamps	10	26NOV07	11DEC07	1	221	Install Nose Clamps EM//TB =400hr ;																																											
R1810-2134		Weld nose	3	12DEC07	14DEC07	1	221	Weld nose EM//TB =60hr ;																																											
R1810-2137		Verify alignment A1-B1	2	17DEC07	18DEC07	1	221	Verify alignment A1-B1 EM//TB =40hr ;																																											
R1810-2138		Meas&instl bushings 2 at a time	4	19DEC07	02JAN08	1	221	Meas&instl bushings 2 at a time EM//TB =80hr ;																																											
R1810-2139		Tension 100%	1	03JAN08	03JAN08	1	221	Tension 100% EM//TB =40hr ;																																											
R1810-2140		Verify alignment A1-B1	2	04JAN08	07JAN08	1	221	Verify alignment A1-B1 EM//TB =40hr ;																																											
R1810-2141		Pre-fit C1-C5	7	11OCT07	19OCT07	1	236	Pre-fit C1-C5 EM//TB =224hr ;																																											
R1810-2142		Perform C-C mating areas need painting	2	22OCT07	23OCT07	1	236	EM//TB =80hr ; Perform C-C mating areas need painting																																											
R1810-2144		Epoxy Paint wings and close surfaces	3	24OCT07	26OCT07	1	236	EM//TB =60hr ; Epoxy Paint wings and close surfaces																																											
R1810-2147		Fit B1-C1	50	08JAN08	17MAR08	1	221	Fit B1-C1 EM//TB =1580hr ;																																											
R1810-2149		Verify Align Mod-Coils A1/B1/C1	5	18MAR08	24MAR08	1	221	Verify Align Mod-Coils A1/B1/C1 EM//TB =100hr ;																																											
R1810-2151		Pre-fit C2-C3	12	29OCT07	13NOV07	1	236	Pre-fit C2-C3 EM//TB =364hr ;																																											
R1810-2152		Re-measure Type A "A" flange	3	14NOV07	16NOV07	1	236	Re-measure Type A "A" flange EM//TB =50hr ;																																											
R1810-2153		Fit A2-B2	50	19NOV07	07FEB08	1	236	Fit A2-B2 EM//TB =1580hr ;																																											
R1810-2155		Fit B2-C2	50	08FEB08	17APR08	1	236	Fit B2-C2 EM//TB =1580hr ;																																											
R1810-2157		Verify Align Mod-Coils A2/B2/C2	5	18APR08	24APR08	1	236	Verify Align Mod-Coils A2/B2/C2 EM//TB =100hr ;																																											









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								M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	A
7503-454	C	Install cryostat base, vapor barrier port boots	5	26JUL10	30JUL10	2	221																										EM//SM =80hr ; EM//TB =320hr ; Install cryostat base, vapor barrier port boots																			
7503-456	C	Install elec pwr, LN2, & instr feedthrus	3	02AUG10	04AUG10	2	221																										EM//SM =40hr ; EM//TB =160hr ; Install elec pwr, LN2, & instr feedthrus																			
7503-458	C	Integrated Electrical testing	5	05AUG10	11AUG10	2	221																										EM//EM =80hr ; EM//SM =80hr ; EM//TB =320hr ; Integrated Electrical testing																			
7503-462	C	LN2 connections from coils to manifolds	5	12AUG10	18AUG10	2	229																										EM//SM =80hr ; EM//TB =320hr ; LN2 connections from coils to manifolds																			
7503-464	C	Connect coil & VV instrumentation	5	12AUG10	18AUG10	2	221																										EM//SM =80hr ; EM//TB =320hr ; Connect coil & VV instrumentation																			
7503-466	C	Connect 150C bakeout	3	19AUG10	23AUG10	2	221																										EM//SM =40hr ; EM//TB =160hr ; Connect 150C bakeout																			
7503-470	C	Install cryostat cooling syst & instrumentation	10	31AUG10	14SEP10	2	221																										EM//SM =320hr ; EM//TB =1,280hr ; Install cryostat cooling syst & instrumentation																			
7503-471	C	Install cryostat upper section, VB & port boots	5	15SEP10	21SEP10	2	221																										EM//SM =80hr ; EM//TB =320hr ; Install cryostat upper section, VB & port boots																			
7503-472	C	Install midplane cryostat sections & port boots	8	22SEP10	01OCT10	2	221																										EM//SM =120hr ; EM//TB =480hr ; Install midplane cryostat sections & port boots																			
7503-473	C	Install cryostat circulation duct	3	04OCT10	06OCT10	2	221																										EM//SM =40hr ; EM//TB =160hr ; Install cryostat circulation duct																			
730.8200	C	PTP and Cool down	3	07OCT10	11OCT10	2	221																										EM//EM =80hr ; EM//SM =80hr ; PTP and Cool down EM//TB =480hr ;																			
<b>8 - Project Oversight and Support</b>																																																				
<b>85 - Integrated Systems Testing</b>																																																				
<b>Job: 8501 - Integrated Systems Testing-GENTILE</b>																																																				
8501-102		Punch list & CSIS & HIS PTP's complete,	5	27JUL10	02AUG10	1	221																										Punch list & CSIS & HIS PTP's complete,																			
8501-103		PTP's complete for ECS,HCS,vac pmpg	5	03AUG10	09AUG10	1	221																										PTP's complete for ECS,HCS,vac pmpg																			
8501-104		ACC review and ORA	5	10AUG10	16AUG10	1	221																										ACC review and ORA																			
8501-301		Configure for Startup ISTP	5	17AUG10	23AUG10	1	221																										Configure for Startup ISTP																			
8501-305		Coil Testing at room temp	5	24AUG10	30AUG10	1	221																										Coil Testing at room temp																			
730.1250	C	PSO Operational Readiness Assessment	0		16AUG10	1	221																										COMPLETE OPERATIONAL READINESS ASSESSMENT DOE LEVEL 2 MILESTONE PSO Operational Readiness Assessment																			
8501-106		Coil testing @ cryo temp, Pump-down VV	5	12OCT10	18OCT10	1	221																										Coil testing @ cryo temp, Pump-down VV																			
8501-107		Combined field testing, Make 1st Plasma	5	19OCT10	25OCT10	1	221																										Combined field testing, Make 1st Plasma																			
8501-108		Vent VV, Config for & instl e-beam mapping	5	26OCT10	01NOV10	1	221																										Vent VV, Config for & instl e-beam mapping																			
8501-306		E-beam mapping	5	02NOV10	08NOV10	1	221																										E-beam mapping																			
8501-110		NCSX Startup Complete	0		08NOV10	1	221																										NCSX Startup Complete																			
730.9000	C	CD-4	0		28SEP11*	1	0																																													