Activity ID	MILE-STONE LEVEL	Activity Description	Forecast Start	Forecast Finish	Orig Dur	Shifts	Total Float
75 - Test Cell and Basement Assembly Operations							
Job: 7503 - Machine Assembly (station 6)-PERRY							
1.0 - Component Preparation							
S-6-1.00A		Assemble assembly structure	01FEB10*	18MAR10	34		41
7501-10.4M	2	Complete Base Support Structure Assembly		18MAR10	0	1	41
S-6-1.00B		Assemble structure between assy sleds & FPA	18DEC09	18MAR10	57		41
S-6-1.01		Assemble three field period support stands (see	01DEC09	24FEB10	54		41
S-6-1.02		Assemble three spool piece support stands (see F	12JUL10	23JUL10	10		41
S-6-1.03		Assemble machine base structure (see Fig 2a)	17DEC09	10FEB10	32		41
S-6-1.04		Assemble three FPA installation carts (see Fig 1	11FEB10	24FEB10	10		41
S-6-1.05		Assemble spool support stand platforms	25JUN10	23JUL10	20		41
S-6-1.06		Fabricate and Assemble 3 laser support polls	16DEC09	04FEB10	29		41
2.0 - Test Cell Metrology set-up/deflection test							
S-6-2.01		Install test cell metrology site monuments	03DEC09	02MAR10	56	NO	41
S-6-2.02		Install the laser supports	05FEB10	12FEB10	6	NO	41
S-6-2.03		Laser tracker support pole bases installed	15FEB10	25FEB10	9	NO	41
S-6-2.04		Install laser support pole on each Period base.	26FEB10	02MAR10	3		41
S-6-2.05		Establish global coordinate system	03MAR10	10MAR10	6	NO	41
S-6-2.06		Qualify laser accuracy when laser is installed	11MAR10	18MAR10	6	NO	41
3.0 - Pre-installation set-up and test							
S-6-3.01		Install the machine base support structure	11FEB10	24FEB10	10		41
S-6-3.02		Install each of three FPA carts and drive system	25FEB10	17MAR10	15		41
S-6-3.04		Position the lower PF 5 and 6 coils	18MAR10	18MAR10	1		41
4.0 - FPA-1 Installation and Assembly Test							
S-6-4.01		Obtain a set of Period 1 alignment fiducial posi	19MAR10	18MAR10	0		41
S-6-4.01A		Exercise assembly structure with FPA-1	19MAR10	13MAY10	40	NO	41
S-6-4.02		Move FPA 1 support fixture to the assembly posit	14MAY10	14MAY10	1		41
S-6-4.03		Using laser at Period 1 establish a global coor	17MAY10	18MAY10	2	NO	41
S-6-4.04		Position Period 1 on the period support stand	19MAY10	18MAY10	0		41
7503-080		FPA-1 Installed on sleds		18MAY10	0	1	41
S-6-4.05		Use the corner positioning device to position Pe	19MAY10	19MAY10	1		41
S-6-4.06		AirLoc Wedgemount leveleup to take the load.	20MAY10	20MAY10	1		41
S-6-4.07		Return FPA support fixt with Period 1 to extrac	21MAY10	21MAY10	1		41
S-6-4.09		Install personnel lift platform on right side Pe	24MAY10	21MAY10	0		41
S-6-4.09A		Fabricate platform	19MAY10	21MAY10	3		41
S-6-4.09B		Install platform	24MAY10	24MAY10	1		41
S-6-4.10		Measure VV &MC end flanges right side of Period	25MAY10	08JUN10	10		41
S-6-4.11		Measure the Period 1 left side VV &Type-C flange	09JUN10	08JUN10	0		41
S-6-4.11A		Install platform	09JUN10	09JUN10	1		41
S-6-4.11B		Measure end flange	10JUN10	23JUN10	10		41
S-6-4.12		Machine Period 1 C side spool flange only	24JUN10	22JUL10	20	VEND	41
5.0 - Spool piece installation test							
S-6-5.01		Return FPA support fixt Period 1 to extracted po	23JUL10	23JUL10	1		41
S-6-5.02		Local platform supports spool support stand Peri	26JUL10	23JUL10	0		41
S-6-5.02A		Fabricate platform	26JUL10	28JUL10	3		41
S-6-5.02B		Install platform	29JUL10	29JUL10	1		41
S-6-5.03		Reposition metrology lasers	30JUL10	02AUG10	2		41
S-6-5.04		Install the Period 1 spool support stand	03AUG10	05AUG10	3		41
S-6-5.05		Operational check bringing spool piece/Period 1	06AUG10	10AUG10	3		41
S-6-5.06		Spool flanges can continue to be machined	11AUG10	10AUG10	0		41
S-6-5.07		Loosen Period 1 VV supports and pull VV outboard	11AUG10	12AUG10	2		41
S-6-5.08		Remove the spool, spool support stand and platfo	13AUG10	16AUG10	2		41
6.0 - Spool piece flange machining							
S-6-6.00A		Obtain contract for machining of spool pieces	20JUL10	16AUG10	20	NO	41
S-6-6.00B		Transport spool piece 1 to vendor	17AUG10	23AUG10	5	NO	41
S-6-6.00C		Machine spool piece 1	24AUG10	14SEP10	15	NO	41
S-6-6.00D		Transport spool piece 1 back to PPPL	15SEP10	21SEP10	5	NO	71
S-6-6.00E		Transport spool piece 2 to vendor	11AUG10	17AUG10	5	NO	60
S-6-6.00F		Machine spool piece 2	15SEP10	05OCT10	15	NO	41
S-6-6.00G		Transport spool piece 2 back to PPPL	06OCT10	12OCT10	5	NO	56
S-6-6.00H		Transport spool piece 3 to vendor	11AUG10	17AUG10	5	NO	75
S-6-6.00I		Machine spool piece 3	06OCT10	26OCT10	15	NO	41
S-6-6.00J		Transport spool piece 3 back to PPPL	27OCT10	02NOV10	5	NO	41
7.0 - FPA-2 Installation							
S-6-7.01		Obtain set Period 2 alignment fiducial positions	18JUN10	18JUN10	1		44
S-6-7.02		Move FPA 2 support fixture to the assembly posit	21JUN10	21JUN10	1		44
S-6-7.03		Place laser supprt pole Period 2 estab global coo	22JUN10	23JUN10	2	NO	44
S-6-7.04		Position Period 2 on the period support stand	24JUN10	23JUN10	0		44
7503-110		FPA-2 Installed on sleds		23JUN10	0	1	44
S-6-7.05		Period 2, bring three primary fiducials into al	24JUN10	24JUN10	1		44
S-6-7.06		AirLoc Wedgemount leveler to take the load.	25JUN10	25JUN10	1		44
S-6-7.07		Return FPA support fixt Period 2 to extracted po	28JUN10	28JUN10	1		44
S-6-7.09		Install a personnel lift platform between Period	29JUN10	28JUN10	0		44
S-6-7.09A		Fabricate platform	24JUN10	28JUN10	3		44
S-6-7.09B		Install platform	29JUN10	29JUN10	1		44
S-6-7.10		Measure type C MC left end flanges of Period 2.	30JUN10	07JUL10	5		44
S-6-7.11		Pull VV outboard to imaximum extent	08JUL10	09JUL10	2		44
S-6-7.12		Return FPA 2 support fixture Period 2 to extract	12JUL10	12JUL10	1		44
8.0 - FPA-3 Installation							
S-6-8.01		Obtain set Period 3 alignment fiducial positions	11AUG10	11AUG10	1		0
S-6-8.02		Move FPA 3 support fixture to assembly position	12AUG10	12AUG10	1		0
S-6-8.03		Place laser support pole Period 3 estabglobal co	13AUG10	16AUG10	2	NO	0
S-6-8.04		Position Period 3 on period support stand	17AUG10	16AUG10	0		0
7503-150	2	FPA-3 Installed on sleds		16AUG10	0	1	0
S-6-8.05		position Period 3, bring 3 primary fiducials int	17AUG10	17AUG10	1		0
S-6-8.06		AirLoc Wedgemount leveler up to take load	18AUG10	18AUG10	1		0
S-6-8.07		Return the FPA support fixt Period 3 to extracte	19AUG10	19AUG10	1		0
S-6-8.08		Install a personnel lift platform between Period	20AUG10	19AUG10	0		0
S-6-8.08A		Fabricate platform	17AUG10	19AUG10	3		0
S-6-8.08B		Install platform	20AUG10	20AUG10	1		0
S-6-8.09		Measure type MC right end flanges of Period 3.	23AUG10	27AUG10	5		0
S-6-8.1		Pull VV outboard to maximum extent	30AUG10	31AUG10	2		0
S-6-8.11		Return FPA 3 support fixt Period 3 toextracted	01SEP10	01SEP10	1		0
9.0 - Measure Type-C MC Flanges							
S-6-9.01		Mount laser head support bracket and laser head	02SEP10	03SEP10	2		0
S-6-9.02		Measure type C MC left end flanges of Period 3.	07SEP10	07SEP10	1		0
S-6-9.03		Measure Period 2 right side VV and Type-C end fl	08SEP10	09SEP10	2		0
10.0 - Type-C Shim Sizing/Prep							
S-6-10.01		Define the C/C shim thickness.	08SEP10	07SEP10	0		3
S-6-10.02		Compress alumina coated shims and sort	08SEP10	09SEP10	2		3
11.0 - Type-C Inboard Shim Installation Check							
S-6-11.01A		Design	30APR10*	27MAY10	20	NO	67
S-6-11.01B		Fabricate	02SEP10	09SEP10	5		0
S-6-11.01C		Install	10SEP10	13SEP10	2		0
S-6-11.02		Removeplatforms used for C-C surface measurement	10SEP10	13SEP10	2		0
S-6-11.03		Slowly bring 3 FPA support fixtures to within a	14SEP10	14SEP10	1		0
S-6-11.04A		Design platforms to access type-C flanges	03MAY10*	28MAY10	20	NO	68
S-6-11.04B		Fabricate	07SEP10	13SEP10	5		0
S-6-11.04C		Install	14SEP10	14SEP10	1	2	0
S-6-11.04		Locate outboard shims (3 top / 3 bottom) each of	15SEP10	16SEP10	2	2	0
S-6-11.051		Design/spec camera system	14APR10*	11MAY10	20	NO	67
S-6-11.052		Procure camera system	11JUN10*	09JUL10	20		46
S-6-11.053		Train technicians on camera system	15SEP10	16SEP10	2		0
S-6-11.05		Return 3FPA support fixt to installed position.	17SEP10	21SEP10	3	NO	0
S-6-11.06		Install studs supernuts shimmed locations; torqu	22SEP10	23SEP10	2	2	0
S-6-11.08		"wiggle" test) on shims. Tighten bolt and reche	24SEP10	29SEP10	4	2	0
S-6-11.07		Measure the C-C gap at each puck locations	30SEP10	04OCT10	3	2	0
S-6-11.09		Metrology measurements of all periods.	05OCT10	05OCT10	1	2	0
S-6-11.1A		Back office input on new shim sizes	06OCT10	06OCT10	1	2	0
S-6-11.1B		Loosen hardware and install new shims	07OCT10	08OCT10	2	2	0
S-6-11.1C		Install studs and supernuts torque to 50%	11OCT10	12OCT10	2	2	0
S-6-11.1D		"wiggle" test on shims Tighten bolts and reche	13OCT10	18OCT10	4	2	0
S-6-11.1E		measure the C-C gap at puck locations	19OCT10	21OCT10	3	2	0
S-6-11.1F		metrology measurements	22OCT10	22OCT10	1	2	0
S-6-11.11		Remove hardware return Period to retracted posi	25OCT10	25OCT10	1	2	0
S-6-11.12		Assemble all inboard shim pucks	26OCT10	27OCT10	2	2	0
S-6-11.13		inboard retaining plate&shim pucks 1 "C" interf	28OCT10	28OCT10	1	2	0
12.0 - Install Remaining TF Coils							
S-6-12.01A		Design and fabricate temporary TF supports.	14JUN10*	26JUL10	30		67
S-6-12.01		Install TF coils at each end with full TF suppor	29OCT10	05NOV10	6		0
S-6-12.02		align to fiducials on MC locking into minimum of	08NOV10	11NOV10	4	NO	0
S-6-12.03		Position FP1 TF coils so they are properly align	12NOV10	16NOV10	3	NO	0
S-6-12.04		Secure FP1 TF coils in place to measure the oute	17NOV10	22NOV10	4	NO	0
S-6-12.05		measure the interfacing FP1 TF surfaces	23NOV10	24NOV10	2	NO	0
S-6-12.06		retract TF coil outward FP1 as far as possible	29NOV10	29NOV10	1	2	0
S-6-12.07A		On Period 2 install TF coils at each end	30NOV10	01DEC10	2	2	0
S-6-12.07B		Align FP2 TF to fiducials on the MC locking into	02DEC10	03DEC10	2	2	0
S-6-12.07C		Position FP2 TF coils so they are properly align	06DEC10	07DEC10	2	2	0
S-6-12.07D		Secure FP2 TF coils in place to inspect and meas	08DEC10	09DEC10	2	2	0
S-6-12.07E		Measure interfacing Period 2 TF surfaces and the	10DEC10	10DEC10	1	2	0
S-6-12.07F		Retract FP2 TF coil outward as far as possible	13DEC10	13DEC10	1	2	0
S-6-12.08A		On Period 3 install TF coils at each end	14DEC10	15DEC10	2	2	0
S-6-12.08B		Align FP3 TF to fiducials on the MC locking into	16DEC10	17DEC10	2	2	0
S-6-12.08C		Position FP3 TF coils so they are properly align	20DEC10	21DEC10	2	2	0
S-6-12.08D		Secure FP3 TF coils in place to inspect and meas	22DEC10	23DEC10	2	2	0
S-6-12.08E		Measure interfacing Period 3 TF surfaces and the	03JAN11	03JAN11	1	2	0
S-6-12.08F		Retract FP3 TF coil outward as far as possible	04JAN11	04JAN11	1	2	0
13.0 - Install PF-4 Lwr & Solenoid suprt column							
S-6-13.01		Place PF-4 lower in temp position	05JAN11	05JAN11	1	2	0
S-6-13.02		Temporarily place lower TF centering disks	05JAN11	05JAN11	1	2	0
14.0 - Move all Periods to installed position							
S-6-14.01		install the local platforms between each Period	06JAN11	06JAN11	1	2	0
S-6-14.02		Install spool support stand and spool on platfo	07JAN11	07JAN11	1	2	0
S-6-14.03		Install a camera for viewing the VV / spool inte	10JAN11	10JAN11	1	2	0
S-6-14.04		verify each Period in proper orientation metr ch	10JAN11	10JAN11	1	2	0
S-6-14.05		bring all three FPA & three spacers (spool piece	11JAN11	12JAN11	2	2	0
7503-412M	2	Move FPA's & spacers together/chk fitup complete		12JAN11	0	2	0
S-6-14.06A		Design platform	19AUG10*	16SEP10	20		69

RB08

NCSX Project
Critical Path Summary

Activity ID	MILE-STONE LEVEL	Activity Description	Forecast Start	Forecast Finish	Orig Dur	Shifts	Total Float
S-6-14.06B		Fabricate platform	01OCT10*	08OCT10	6		59
S-6-14.06		Install local platforms access C-C interface	12JAN11	12JAN11	1	2	0
S-6-14.07		re-install C-C shims Bring Periods final positio	13JAN11	14JAN11	2	2	0
S-6-14.08		"wiggle" test Tighten bolt and recheck.	17JAN11	20JAN11	4	2	0
S-6-14.09		Make shim adjustments if needed.	21JAN11	24JAN11	2	2	0
S-6-14.09A		Back office input on new shim sizes	25JAN11	25JAN11	1	2	0
S-6-14.09B		Loosen hardware and install new shims	26JAN11	31JAN11	4	2	0
S-6-14.10A		Design platform	16AUG10*	13SEP10	20	NO	72
S-6-14.10B		Fabricate platform	18OCT10*	29OCT10	10		48
S-6-14.1		Install local support platform in the solenoid	13JAN11	14JAN11	2	2	3
S-6-14.11		Install remaining shims, studs supernuts torque	17JAN11	20JAN11	4	2	3
S-6-14.12		"wiggle" test (rotate on bolt) Tighten bolt a	21JAN11	26JAN11	4	2	3
S-6-14.13		Install bushing, Replace nut and tighten back t	01FEB11	15FEB11	11	2	0
S-6-14.14A		Torquing C-C	16FEB11	16FEB11	1	2	0
S-6-14.14B		Sealing C-C	17FEB11	18FEB11	2	2	0
S-6-14.14C		Retorque C-C all super-nuts after 30 days	17MAR11	21MAR11	3	2	50
S-6-14.15		Measure the tooling balls on all Periods.	21FEB11	22FEB11	2	2	0
S-6-14.16		Determ level sequence lowering machine on final	23FEB11	23FEB11	1	2	0
15.0 - Move VV Period to final position and Weld							
S-6-15.01		Secure VV into its final installed position.	24FEB11	28FEB11	3	2	0
S-6-15.02A		Design and fabricate clips	26OCT10*	22NOV10	20	NO	62
S-6-15.02B		Develop weld procedure and qualify it.	29NOV10*	03JAN11	20	NO	40
S-6-15.02		properly position each spool pieces	01MAR11	08MAR11	6	NO	0
S-6-15.03		Remove each spool support stand.	09MAR11	10MAR11	2	2	0
S-6-15.04A		Move FPAs to final position	11MAR11	11MAR11	1	2	0
S-6-15.04B		Weld vacuum vessel spool pieces (1st shift)	14MAR11	22APR11	30	NO	0
S-6-15.04M	2	Vacuum Vessel Welding complete (3 FP's)		22APR11	0	NO	0
S-6-15.04C		Leak check / inspect spool piece welds (2nd shi	05APR11	25APR11	15	NO	24
S-6-15.04D		Weld port 4s (1st shift)	25APR11	26MAY11	24	NO	0
S-6-15.04E		Leak check / inspect port 4s welds (2nd shift)	18MAY11	27MAY11	8	NO	0
S-6-15.05		Remove all temporary vertical VV support rods	31MAY11	31MAY11	1	2	0
S-6-15.06		Place boots on all three spool ports	01JUN11	01JUN11	1	2	77
S-6-15.07		Secure VV horizontal supports at each NB port.	01JUN11	01JUN11	1	2	22
16.0 - Move TF Coils to final position							
S-6-16.01		secure TF centering disk to the MC.	01JUN11	01JUN11	1	2	0
S-6-16.02		Align TF centering disks and secure to MC she	02JUN11	02JUN11	1	2	0
S-6-16.03		Pull / push TF coils are into wedged position.	03JUN11	08JUN11	4	2	0
S-6-16.04		Align fiducials on the MCs measure talignment of	09JUN11	09JUN11	1	2	0
17.0 - Install Lower PF Colis							
S-6-17.01		Remove the PF access plates from the carts	10JUN11	10JUN11	1	2	0
S-6-17.02		Raise PF5,6 and install off lower PF support str	13JUN11	13JUN11	1	2	0
18.0 - Transfer Weight to Final Machine Supports							
S-6-18.01		Install final machine structures at each of "C-C	14JUN11	15JUN11	2	NO	0
S-6-18.02		Install local machine support fittings	16JUN11	17JUN11	2	NO	0
S-6-18.03		Obtain Wedgemount leveling sequence	20JUN11	17JUN11	0		0
S-6-18.04		Transfer machine weight frontemp supports to fin	20JUN11	22JUN11	3	NO	0
S-6-18.05		Retract & remove the FPA support stands and cart	23JUN11	27JUN11	3	NO	0
S-6-18.06		Install inboard machine supports at the "A-A" in	28JUN11	30JUN11	3	NO	0
19.0 - Vacuum Pump System							
S-6-19.01		Install the NB transition duct on Period 1.	01JUL11	01JUL11	1	2	1
S-6-19.02		Install vacuum system off Period 1 NB transition	05JUL11	05JUL11	1	2	2
S-6-19.03		Install pumping rack in Period 1 area near pump	01JUN11*	03JUN11	3	2	19
S-6-19.04		Perform A/C pwr connections&pump sys RGA / IG ho	06JUN11	07JUN11	2	2	19
S-6-19.05		Install gas injection sys on upper port 12 on Pe	06JUL11	06JUL11	1	2	2
S-6-19.06		Install E-Beam mapping and diagnostic equipment	01JUL11	08JUL11	5	2	0
7503-250	2	Begin Vac Vsl Pumpdown		08JUL11	0	2	0
S-6-19.07		Pumpdown vacuum vessel & perform full leakcheck	11JUL11	20JUL11	8	2	0
20.0 - MC/VVSA Annulus insulation fill							
S-6-20.01		Recheck VV penetrations to assure seals in place	01JUL11	15JUL11	10	2	46
S-6-20.02A		Design & install feed tubes flaerogel distributi	06JUL11	19JUL11	10	2	43
S-6-20.0B		Procure agitators assure compl fill of aerogel	20JUL11	20JUL11	1	2	43
S-6-20.02		Fill MC / VVSA annulus with pourable aerogel ins	21JUL11	22JUL11	2	NO	43
21.0 - Instl Remaining Trim Coils & Mag struct							
S-6-21.01		Install 4 horiz trim coils (2 top 2 bottom) eac	21JUL11	21JUL11	1	2	0
S-6-21.02		Temporary secure (slanted) trim coils	22JUL11	22JUL11	1	2	0
S-6-21.03		Install magnet systems support structure off TF	25JUL11	25JUL11	1	2	0
S-6-21.04		Attach the trim coils to the magnet system struc	26JUL11	26JUL11	1	2	0
S-6-21.05		Attach channel structure behind TF coil located	27JUL11	27JUL11	1	2	0
S-6-21.06		Perform metrology measurements new trim coils i	28JUL11	01AUG11	3	NO	0
22.0 - Install solenoid & Remaining PF Coils							
S-6-22.01		Locate laser tracker system on floor	02AUG11	03AUG11	2	2	0
S-6-22.03		Install solenoid central support column	04AUG11	04AUG11	1	2	0
S-6-22.04		Lower solenoid assy and secure	05AUG11	08AUG11	2	2	0
S-6-22.05		Install PF-4 lower	09AUG11	09AUG11	1	2	0
S-6-22.06		Install PF-5 upper.	10AUG11	10AUG11	1	2	0
S-6-22.07		Install PF-6 upper.	11AUG11	11AUG11	1	2	0
S-6-22.08		Align PF-5 lower and secure in place.	12AUG11	12AUG11	1	2	0
S-6-22.09		Align PF-6 lower and secure in place.	15AUG11	15AUG11	1	2	0
S-6-22.1		Install laser tracker to align PF-4 upper	16AUG11	16AUG11	1	2	0
S-6-22.11		Install PF-4 upper; align and secure in place.	17AUG11	17AUG11	1	2	0
S-6-22.11M	2	ALL PF Coils Installed		17AUG11	0	2	0
23.0 - Instl/Route Mag Leads to Transition Box							
S-6-23.00C		Install transition boxes	18AUG11	22AUG11	3	2	0
S-6-23.01		Support and route all TF leads.	23AUG11	25AUG11	3	2	0
S-6-23.02		Support and route all MC leads.	26AUG11	30AUG11	3	2	0
S-6-23.03		Support and route all PF leads to the designated	31AUG11	01SEP11	2	2	0
S-6-23.04		Support and route all trim coil leads.	02SEP11	14SEP11	8	2	0
S-6-23.5		Install and route all magnet leads from transiti	23AUG11	29AUG11	5	2	11
24.0 - Install LN2 and I&C Services							
S-6-24.01		Run Rogowski lead cabled at spool piece port to	15SEP11	16SEP11	2	2	0
S-6-24.05		grounding wires to single ground point in cryost	19SEP11	23SEP11	5	2	0
S-6-24.02B		Run I&C from PF to transition box	26SEP11	30SEP11	5	2	10
S-6-24.03B		Run I&C from TF to transition box	03OCT11	07OCT11	5	2	10
S-6-24.04B		Run I&C from MC to transition box	10OCT11	14OCT11	5	2	10
S-6-24.02A		Run LN2 lines to PF	17OCT11	18OCT11	2	2	10
S-6-24.03A		Run LN2 lines to TF	19OCT11	20OCT11	2	2	10
S-6-24.04A		Run LN2 lines to MC	21OCT11	24OCT11	2	2	10
25.0 thru 35.0 - Cryostat,NB duct & I&C Routing							
S-6-25		Install NB transition duct Period 2 and 3	23AUG11	24AUG11	2	2	57
S-6-26		Install thermal insulation on all Port 4s	25JUL11	25JUL11	1	2	43
7503-330	2	Begin Cryostat Installation		23SEP11	0	2	0
S-6-29.1		Install cryostat base, vapor barrier, port boots	26SEP11	04OCT11	7	NO	0
S-6-29.2		Install power, LN2 and I&C feedthrus	05OCT11	10OCT11	4	NO	0
S-6-29.3		Install cryostat cooling system and instrumentat	11OCT11	13OCT11	3	NO	0
S-6-29.4		Install cryostat midplane and port boots	14OCT11	24OCT11	7	NO	0
S-6-29.5		Install cryostat upper section and port boots	25OCT11	08NOV11	11	NO	0
S-6-31		Final LN2 connections to supplies.(incl in 6201)	25OCT11	31OCT11	5	2	10
S-6-32.1		Design I&C tray system in NCTC	25JUL11*	19AUG11	20	NO	50
S-6-35		Install all remaining test cell platforms	28JUN11	06JUL11	6	2	92
S-6-32.2		Install I&C tray system in NCTC	01NOV11	04NOV11	4	2	0
S-6-32.5		Install cable extensions from cryostat to J-boxe	07NOV11	14NOV11	6	2	0
S-6-29.6		Install cryostat circulation duct	09NOV11	14NOV11	4	NO	0
S-6-33		Connect 150 C bakeout system	08NOV11	14NOV11	5	2	0
S-6-36		Begin Startup Testing		14NOV11	0		0
85 - Integrated Systems Testing							
Job: 8501 - Integrated Systems Testing-GENTILE							
Start-up							
8501-102		Punch list & CSIS & HIS PTP's complete,	18OCT11	24OCT11	5	1	0
8501-103		PTP's complete for ECS,HCS,vac pmpg	25OCT11	31OCT11	5	1	0
8501-104		ACC review and ORA	01NOV11	07NOV11	5	1	0
730.1250	2	PSO Operational Readiness Assessment		07NOV11	0	1	0
8501-301		Configure for Startup ISTP	08NOV11	14NOV11	5	1	0
8501-304	2	Begin Start-up Testing		14NOV11	0	1	0
8501-305		Coil Testing at room temp	15NOV11	21NOV11	5	1	0
730.8200M	2	Cooldown of Machine		21NOV11	0	2	0
8501-106		Machine cool down and cold test coils &Pump-down	22NOV11	07DEC11	10	1	0
8501-107		Combined field testing, Make 1st Plasma	08DEC11	14DEC11	5	1	0
8501-108		Vent VV, Config for & instl e-beam mapping	15DEC11	21DEC11	5	1	0
8501-306		E-beam mapping	22DEC11	05JAN12	5	1	0
8501-110	1	NCSX Startup Complete		05JAN12	0	1	0