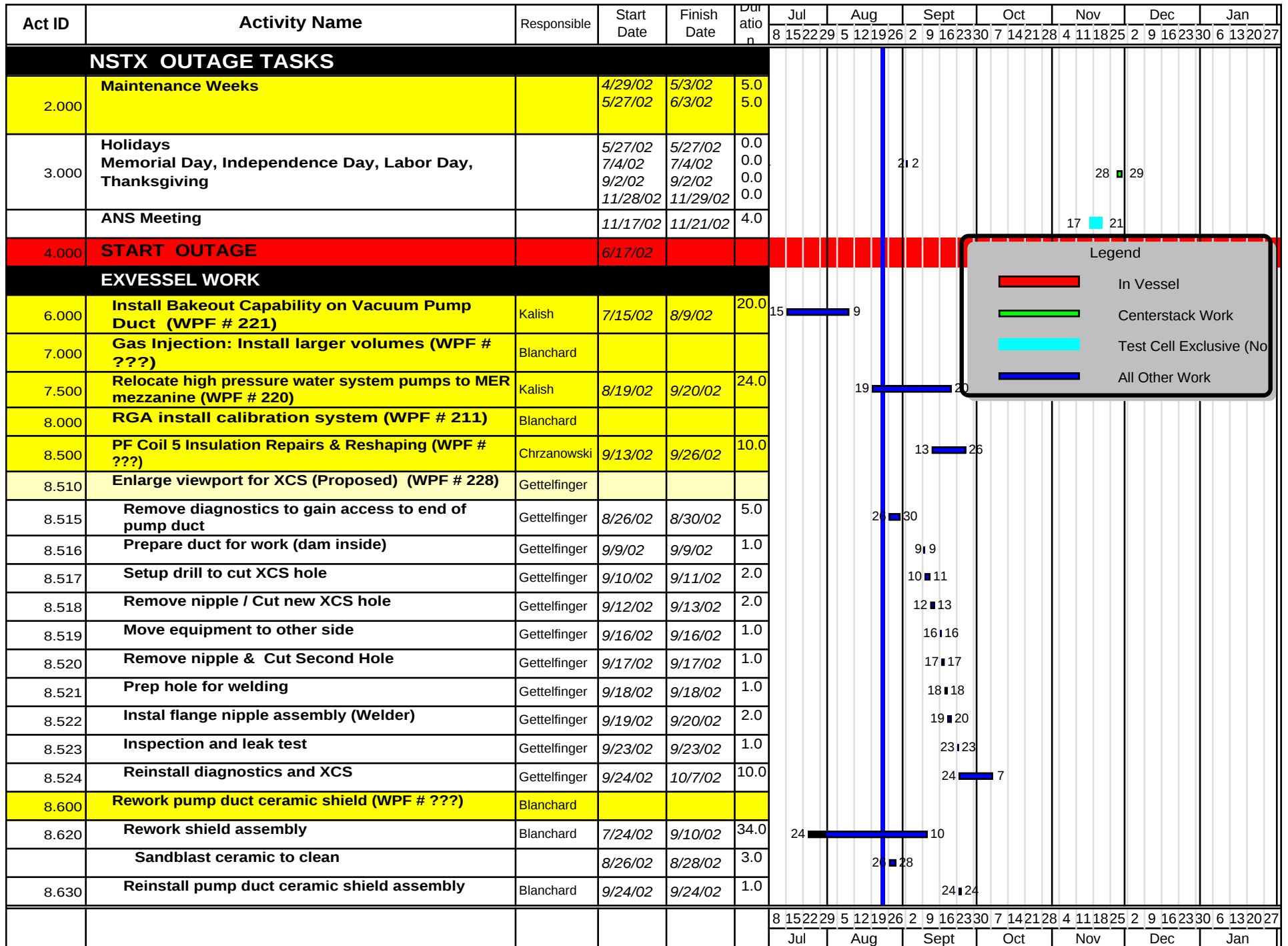


NSTX 2002 June Outage

File Date: 8/23/02

Printed on: Friday, August 23, 2002

5:38 PM



NSTX 2002 June Outage

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5:38 PM

Act ID	Activity Name	Responsible	Start Date	Finish Date	Duration	Jul	Aug	Sept	Oct	Nov	Dec	Jan
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18.000	Vacuum Vessel Access	Dudek	7/1/02									
18.700	Removal of Bay I-J In-vessel mirror Assembly	Vlad	7/2/02	7/2/02	0.1							
19.000	Vessel Door Guard	Winston	7/1/02	10/30/02	84.0							
20.000	Firewatch assignment in TC (as Req'd.)	Winston	6/24/02	11/18/02	102.0							
20.020	NBI TIV Replacement	Cropper	10/7/02	11/1/02	20.0				7	1		
20.170	Remove Compressors #2 & #4	Cropper	6/27/02	7/1/02	3.0							
20.300	Install bellows in compressor suction line	Cropper	7/1/02	9/30/02	63.0							
20.200	Send Compressors out for Rebuild	Cropper	7/2/02	9/3/02	43.0							
20.330	Refrigerator Maintenance	Cropper	7/1/02	9/30/02	63.0							
20.370	Remove unused cryo piping	Cropper	7/26/02	8/8/02	10.0	26	8					
20.230	Install Compressors #2 & #4	Cropper	9/4/02	9/10/02	5.0			4	10			
20.250	Test Compressors	Cropper	9/11/02	9/17/02	5.0			11	17			
20.350	Inspect Beamline Internals (TBD)	Cropper										
20.400	Replace Beamline Turbo Pump (TBD)	Cropper										
20.430	Reconfigure TIV airline	Cropper	9/3/02	9/9/02	5.0			3	9			
20.450	Rebuild MP-06 (TBD)	Cropper										
21.000	New Ceramic Break (WPF no. 185)	Chrzanowski										
31.000	Remove the Centerstack assembly (WPF 185)	Chrzanowski	7/8/02	7/8/02	1.0	8						
32.000	Fabricate and Install New Ceramic Break (WPF 185)	Chrzanowski										
36.500	Assemble ceramic break components to CS	Chrzanowski	8/21/02	8/23/02	3.0		21	23				
36.600	Leak check bellows / ceramic assem	Chrzanowski	8/23/02	8/25/02	1.0		23	25				
36.700	Reassemble hub and splice water tubes	Chrzanowski	8/26/02	9/6/02	9.0		26	6				
49.000	Refurbish Lower Ceramic Break (WPF # 185)											
49.600	Refurbish lower Ceramic Break	Chrzanowski	7/22/02	8/30/02	30.0	22		30				
49.650	Fabricate new insulator washers, and sleeves	Chrzanowski	8/26/02	8/30/02	5.0		26	30				
49.700	Install rigging and install lower Ceramic Break	Winston	9/4/02	9/6/02	3.0			4	6			
50.000	Reinstall the Centerstack assembly (WPF no. 185)	Chrzanowski	9/14/02	9/16/02	1.0			14	16			
50.500	Install upper ceramic break	Chrzanowski	9/17/02	9/23/02	5.0			17	23			
51.000	Install CHI Coil #2	Chrzanowski	9/23/02	9/27/02	5.0			23	27			
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NSTX 2002 June Outage

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5:38 PM

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52.000	Reinstall upper CHI bus connections (inc. tack welds)	Chrzanowski	9/30/02	10/2/02	2.0				30 ■ 2			
53.000	Reassemble upper and lower bus connections (WPF no. 185)	Chrzanowski										
54.000	Reinstall upper PF1A & OH bus & hose connections	Chrzanowski	10/3/02	10/7/02	2.0				3 ■ 7			
55.000	Reinstall upper TF bus & hose connections	Chrzanowski	10/9/02	10/23/02	10.0				9 ■ 23			
56.000	Reinstall upper umbrella lid	Chrzanowski	10/22/02	10/23/02	1.0				22 ■ 23			
57.000	Reorient Lower Gas Injection Valve to clear bus	Blanchard	9/25/02	10/1/02	4.0				25 ■ 1			
58.000	Reinstall lower PF1A & PF1B bus and hose connections	Chrzanowski	10/1/02	10/3/02	2.0				1 ■ 3			
59.000	Reinstall lower CHI inner bus	Chrzanowski	10/3/02	10/7/02	2.0				3 ■ 7			
60.000	Reinstall lower TF bus & hose connections	Chrzanowski	10/7/02	10/21/02	10.0				7 ■ 21			
61.000	Reinstall lower umbrella lid	Chrzanowski	10/21/02	10/22/02	1.0				21 ■ 22			
62.000	Reconnect TF water cooled flex bus	Chrzanowski	10/22/02	10/23/02	1.0				22 ■ 23			
63.000	Reinstall CHI inner to ring bus	Chrzanowski	10/23/02	10/25/02	2.0				23 ■ 25			
64.000	Reconnect CHI inner to ring bus	Chrzanowski	10/25/02	10/29/02	2.0				25 ■ 29			
64.500	RF Antenna Repair (TBD) WP # ???)											
	Remove antennae 10-12 for inspection	Ellis	8/20/02	8/22/02	3.0		20 ■ 22					
	Remove center conductor for machining	Ellis	8/23/02	8/27/02	3.0		23 ■ 27					
	Machine center conductors	Ellis	8/28/02	8/30/02	3.0		28 ■ 30					
	Reassemble antennae	Ellis	9/2/02	9/6/02	4.0		2 ■ 6					
DIAGNOSTIC WORK												
66.000	Upgrade MSE (CIF) (Bay B) (WPF # 226)											
67.000	MSE Fiber Installation	Levinton										
70.000	Inspect, clean & replace CHERS/MSE viewing window	Levinton	7/25/02	8/26/02	22.1	25 ■ 26						
71.000	Alignment Check Pre-adjustment	Bell	8/21/02	8/26/02	4.0		21 ■ 26					
76.000	Route MSE F/O bundles from MSE room to NTC Bay "B"	Levinton	8/27/02	8/30/02	2.1		27 ■ 30					
72.000	Install CHERS F/O bundle and holder & run F/O to CHERS room	Levinton	9/3/02	9/4/02	1.0		3 ■ 4					
72.200	Install new optics support for CHERS/MSE	Levinton	9/5/02	9/9/02	1.0		5 ■ 9					
72.500	Mount F/O support for lower MSE	Levinton	9/8/02	9/10/02	1.0		8 ■ 10					
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5:38 PM

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74.000	Install collection optics & PEMS	Levinton	9/10/02	9/12/02	1.0			10 12				
75.000	Collection optics preadjustment using CHERS Fibers	Levinton	9/11/02	9/16/02	3.0			11 16				
77.000	Make all F/O connections to spectrometers in CHERS room	Levinton	9/20/02	9/23/02	1.0			20 23				
78.000	Install MSE F/O bundles	Levinton	9/23/02	9/27/02	4.0			23 27				
83.000	New XCS Vacuum Interface Installation (Bay D) (WPF 162)	Loesser										
86.500	Install Vertical XCS vacuum valve	Gorman										
87.000	New Modified Divertor for XCS in Bay D (WPF 162)	Loesser	7/1/02	8/2/02	23.0		2					
109.000	New MSE Polarizer / Shutter (Bay B) (WPF # ???)	Labik										
110.000	Polarizer and Shutter Design	Labik	7/24/02	8/23/02	23.0	24		23				
111.000	Pol/Shutter Fabrication	Labik	8/26/02	9/9/02	10.0		26	9				
112.000	Assembly	Labik	9/10/02	9/10/02	1.0			10 10				
113.000	Vacuum Prep	Labik	9/11/02	9/12/02	2.0			11 12				
114.000	Install new SHUTTER / Polarizer	Labik	9/13/02	9/13/02	1.0			13 13				
115.000	Test MSE Polarizer / Shutter	Labik	9/16/02	9/16/02	1.0			16 16				
116.000	Upgrade 1mm Reflectometer (Bay G Midplane) (WPF # 206)	Labik										
118.000	Tile Fabrication	Labik	6/24/02	8/30/02	48.0			30				
119.000	Assembly	Labik	9/3/02	9/9/02	5.0			3 9				
120.000	Vacuum Prep	Labik	9/9/02	9/16/02	5.0			9 16				
120.050	Install Bay G Port Cover for Tile measurement	Labik	9/15/02	9/15/02	0.0			15 15				
120.100	One day invessel for tile retroreflector measurement (after CS installation)(Coordinate with Tang. Bolometer measurement)	Labik	9/16/02	9/16/02	1.0			16 16				
120.200	Machine tile	Labik	9/16/02	9/23/02	5.0			16 23				
121.000	Replace CS tile during next Outage (WPF 206)	Labik	9/23/02	9/24/02	2.0			23 24				
122.000	Install new 1mm SHUTTER	Labik	10/1/02	10/3/02	3.0			1 3				
123.000	Test 1mm interferometer shutter	Labik	10/3/02	10/9/02	5.0			3 9				
INVESSEL WORK												
123.900	Replace All Used GDC Filaments with New Filaments	Winston	10/30/02	10/30/02	1.0				30 30			
124.000	Upgrade Compact Soft Xray Array (Bay G) (WPF # ???)(Lane)	Roquemore										
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NSTX 2002 June Outage

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5:38 PM

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125.000	Design new interface (Stutman)	Roquemore	7/11/02	8/7/02	20.0		7					
126.000	Fabricate interface (Huntington)	Roquemore	8/6/02	10/1/02	40.0		6	1				
127.000	Install Compact Soft Xray Interface on Machine	Roquemore	10/7/02	10/8/02	2.0				7 8			
128.000	Upgrade FireTIPS (Bay G) (WPF 195)	Labik										
133.000	Install two new retroreflectors (Labik)	Labik	11/4/02	11/6/02	3.0					4 6		
136.000	New EBW Receiver with Movable Limiter (Bay I-J) (WPF 208)	Labik										
138.000	Fabricate	Labik	8/22/02	10/4/02	30.0		22	4				
138.200	Remove Bay J Port Cover for Mill installation fixture	Labik	8/26/02	8/26/02	1.0		26 26					
138.300	Vessel cutting (InHouse)	Labik	8/26/02	9/6/02	9.0		26	6				
138.700	Weld in new nozzle (from the inside)	Labik	9/9/02	9/10/02	2.0			9 10	Machine shop fab needed			
138.000	Remove Bay G Port Cover for access	Labik	9/18/02	9/18/02	1.0			18 18				
138.500	Reinstall Bay J Port Cover	Labik	9/18/02	9/18/02	1.0			18 18				
139.000	Asm Install EBW Receiver	Labik	10/7/02	10/18/02	10.0				7 18			
139.300	Test EBW Receiver	Labik	10/18/02	10/24/02	4.0				18 24			
140.000	Upgrade Divertor Bolometer Array (Bay J) (WPF # 179)	Feder										
142.000	Fabricate shield	Feder	7/24/02	8/6/02	10.0	24	6					
144.000	Upgrade existing port with new shield	Feder	8/11/02	8/13/02	2.0		11 13					
145.000	Reinstall port on vessel	Feder	8/14/02	8/16/02	2.0		14 16					
148.000	New sFLIP (bay J) (WPF # ???)											
149.000	Install scintillator based beam ion loss probe (Approx. 4 days invessel)	Labik	7/15/02	8/26/02	31.0	5	26					
149.500	Complete sFlip Measurementt	Darrow	8/22/02	8/27/02	4.0		22 27					
150.500	Reassemble, Check for light tightness and test system	Labik	9/23/02	9/27/02	5.0			23 27	After Bay J Port Cover is reinstalled			
151.000	New Fast X-Ray Camera (Bay K) (WPF # 193)	Feder										
153.000	Install extension cone and transition Piece, valve	Feder	8/26/02	8/26/02	0.5		26 26					
154.000	Align Supports with Port/Gate valve	Feder	11/4/02	11/4/02	0.5					4 4		
155.000	Install camera assembly with Rails	Feder	11/4/02	11/6/02	3.0					4 6		
156.000	Install magnetic shielding	Feder	11/7/02	11/7/02	1.0					7 7		
157.000	Power and Control Installation, Electrical	Feder	11/11/02	11/13/02	3.0					11 13		
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5:38 PM

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158.000	Test and Calibrate	Feder	11/14/02	11/15/02	2.0					14 ■ 15		
159.000	Repair NPA, Replace Bellows Assembly (Bay K) (WPF # ???)	Feder										
160.000	Procure new bellows	Feder	7/8/02	8/30/02	40.0							
161.000	Remove existing bellows/ install new	Feder	9/5/02	9/5/02	1.0			5 5				
162.000	Upgrade Mirnov Coils (Invessel) (WPF # ???)	Menard										
162.300	Remove inner 14 inner divertor CS coils for upgrade	Menard	7/24/02	7/24/02	1.0	24 ■ 24						
162.500	Remove 10 outer divertor coils for upgrade from VV	Menard	8/6/02	8/6/02	1.0		6 ■ 6					
162.600	Remove 4 inner divertor (vert.) tiles for new coils	Menard	8/23/02	8/23/02	1.0			23 ■ 23				
163.000	Install 10 Outer Divertor Coils in VV	Menard	8/12/02	8/21/02	8.0		12 ■ 21					
164.000	Install 4 New Inner Divertor Coils	Menard	8/22/02	9/5/02	10.0		22 ■ 5					
165.000	Machine pockets in 10 inner divertor tiles	Mount	9/3/02	9/9/02	5.0			3 ■ 9				
165.500	Install 10 coils in tiles	Guttadora	9/10/02	9/23/02	10.0			10 ■ 23				
166.000	Install 10 invessel divertor Coils	Menard	9/23/02	9/30/02	5.0			23 ■ 30				
169.999	New Resistive Wall Mode Coils (WPF # 227)	Menard										
170.000	Design	Raftopoulos	6/6/02	8/8/02	44.0		8 ■ 23					
170.300	Fabricate brackets	Raftopoulos	8/5/02	8/23/02	15.0		5 ■ 23					
170.500	Invessel / platform setup for RWM	Raftopoulos	8/27/02	8/29/02	3.0			27 ■ 29				
170.700	Remove 10 x12 Center tiles, identify, place in bags, trays (RWM)	Raftopoulos	8/30/02	9/3/02	1.5			30 ■ 3				
171.000	Transport tiles to work area (RWM)	Raftopoulos	9/3/02	9/3/02	0.2			3 ■ 3				
171.500	Cut groove in tile (10 x 12)		9/3/02	9/5/02	1.5			3 ■ 5				
171.700	Move tray to vacuum vessel (12) (RWM)	Raftopoulos	9/5/02	9/5/02	0.2			5 ■ 5				
172.000	Take wire from spool and wrap around center of plate, clamp in position (12) (RWM)	Raftopoulos	9/5/02	9/5/02	0.3			5 ■ 5				
172.300	Take (10 x 12) tile assemblies and install starting on outboard edge, work around to inboard center (RWM)	Raftopoulos	9/5/02	9/6/02	0.8			5 ■ 6				
172.500	Modify 10th tile for Bz coil bracket (12) (RWM)	Raftopoulos	9/6/02	9/10/02	2.0			6 ■ 10				
172.700	Install 10th tile and dress wires (RWM)	Raftopoulos	9/10/02	9/11/02	0.8			10 ■ 11				
173.000	Calibrate torque tool and torque tiles (120) (RWM)	Raftopoulos	9/11/02	9/12/02	1.0			11 ■ 12				
173.500	Route wire (24 x 4 hrs), dress from panel to feedthru (RWM)	Raftopoulos	9/23/02	10/3/02	9.0			23 ■ 3				
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NSTX 2002 June Outage

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5:38 PM

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174.000	Terminate (24 x 2 hrs) panel (external)	Raftopoulos	10/4/02	10/10/02	4.5				4	10		
175.000	New CHI Flux Loops (Invessel) (WPF 185)	Gettelfinger	6/17/02	8/8/02	37.0		8					
180.000	New Diagnostic SHUTTERS (WPF # ???)											
181.000	SHUTTER DESIGNS	Labik	3/26/02	5/17/02	39.0							
182.000	SHUTTER FABRICATION	Labik	5/20/02	7/17/02	40.0		17					
183.000	SHUTTER ASSEMBLY	Labik	7/19/02	8/15/02	19.5	19	15					
184.000	SHUTTER VAC PREP	Labik	8/16/02	8/29/02	10.0		16	29				
185.000	"Install new Divertor Fast Camera SHUTTER (4-5/8" viewpport)" Bay ?)	Roquemore	8/30/02	9/4/02	2.0			30	4			
186.000	Install new SHUTTER (Bay J Upper)	Labik	9/4/02	9/6/02	2.0			4	6			
187.000	Install new Fiberscope SHUTTER (bay ?)	Labik	9/6/02	9/10/02	2.0			6	10			
188.000	Install new SHUTTER (Bay B Upper)	Raftopoulos	9/10/02	9/12/02	2.0			10	12			
189.000	Install new 1D CCD SHUTTER (Bay ?)	Labik	9/12/02	9/16/02	2.0			12	16			
190.000	"Install new SHUTTER (4-5/8" viewpport bay C & I)"	Labik	9/16/02	9/18/02	2.0			16	18			
191.000	Test Shutters	Labik	9/18/02	9/27/02	7.0			18	27			
191.500	Gas Puff Imaging											
191.510	Install new manifold		8/27/02	8/27/02	1.0		27	27				
191.512	Mount new target plate onto manifold		8/28/02	8/28/02	1.0		28	28				
191.513	Install reentrant port into final position		8/29/02	8/29/02	1.0		29	29				
191.514	Modify reentrant fiber bundle holders for larger bundles		8/30/02	8/30/02	1.0		30	30				
191.515	Preliminary measurement		9/9/02	9/13/02	5.0			9	13			
191.520	Passive Plate Viewing Slots											
191.530	Machine Slots in Bay B-F Secondary Passive Plates	Gettelfinger	9/10/02	9/11/02	2.0			10	11			
191.540	Reinstall Secondary Passive Plates	Gettelfinger	9/12/02	9/13/02	2.0			12	13			
191.600	Fast Probe Head											
191.700	Install Fast Probe Head / Measure position		9/4/02	9/13/02	7.0			4	13			
192.000	Prepare to Pumpdown (Ops)	Winston										
192.500	Vacuum Prep Work	Winston	7/8/02	10/15/02	71.0				15			
193.000	Final Calibrations	Johnson										
193.050	Tangential Bolometer Measurement at Bay G		9/17/02	9/17/02	1.0			17	17	Requires Bay G Port Cover Installation		
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5:38 PM

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193.070	Fast Probe Measurement											
193.150	Gas Puff Imaging diagnostic (Zweben, Maqueda)		10/7/02	10/11/02	5.0				7	11		
193.100	CHERS/MSE Calibrations (Restricted Access Around Bays B-K!!)	Levinton										
193.200	Spatial calibration using measurement arm	Levinton	10/17/02	10/23/02	4.1				17	23		
193.300	CHERS background white plate calibration	Bell/Levinton	10/23/02	10/25/02	2.1				23	25		
193.400	MSE/CHERS primary white plate calibration	Bell/Levinton	10/25/02	10/30/02	3.8				25	30		
193.410	Compact SOFT X-Ray Array Calibration (TBD)											
193.420	Spatial Cal for Edge Rotation		11/1/02	11/1/02	1.0				1	1		
193.430	Vert XCS Cal		11/4/02	11/4/02	0.5				4	4		
194.000	1-D CCD camera calibrations	Vlad	10/31/02	10/31/02	0.7				31	31		
194.300	MPTS White Plate Claibration	LeBlanc	10/31/02	11/4/02	2.0				31	4		
194.500	MPTS Verify Array Alignment	LeBlanc	11/4/02	11/5/02	0.5				4	5		
194.550	MPTS Alignment, Measuring arm & White Plate calibration	LeBlanc	11/5/02	11/7/02	2.0				5	7		
195.000	Photo Vessel Interior	Dudek	11/7/02	11/7/02	0.5				7	7		
196.000	Remove invessel platform / ventilation / lighting/ etc	Winston	11/5/02	11/7/02	2.0				5	7		
197.000	Remove VV Entry area	Winston	11/7/02	11/11/02	2.0				7	11		
198.000	Reinstall Entry Port Covers	Winston	11/11/02	11/12/02	1.0				11	12		
199.000	Close Up VV/Pumpdown(Ops)	Winston	11/13/02									
200.000	Prepare for Operations(Ops)	von Halle										
201.000	Leak Check Vacuum Vessel	Winston	11/13/02	11/20/02	5.0				13	20		
202.000	Machine Scrub (top)	Winston	11/14/02	11/21/02	5.0				14	21		
203.000	Bakeout	Kalish	11/21/02	12/2/02	5.0					21	2	
204.000	Startup Water System (switch adjustment)	Kalish	10/30/02	11/7/02	5.9				30	7		
205.000	Complete Machine Scrub	Winston	12/2/02	12/5/02	3.0					2	5	
205.500	MPTS Raleigh Scattering		12/6/02	12/6/02	1.0					6	6	
206.000	Power Testing	Neumeyer	12/5/02	12/10/02	3.0					5	10	
207.000	Start of Plasma Ops(Ops)	von Halle	12/10/02									12/10
208.000												
						8 15 22 29	5 12 19 26	2 9 16 23 30	7 14 21 28	4 11 18 25	2 9 16 23 30	6 13 20 27
						Jul	Aug	Sept	Oct	Nov	Dec	Jan

NSTX 2002 June Outage

File Date: 8/23/02

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