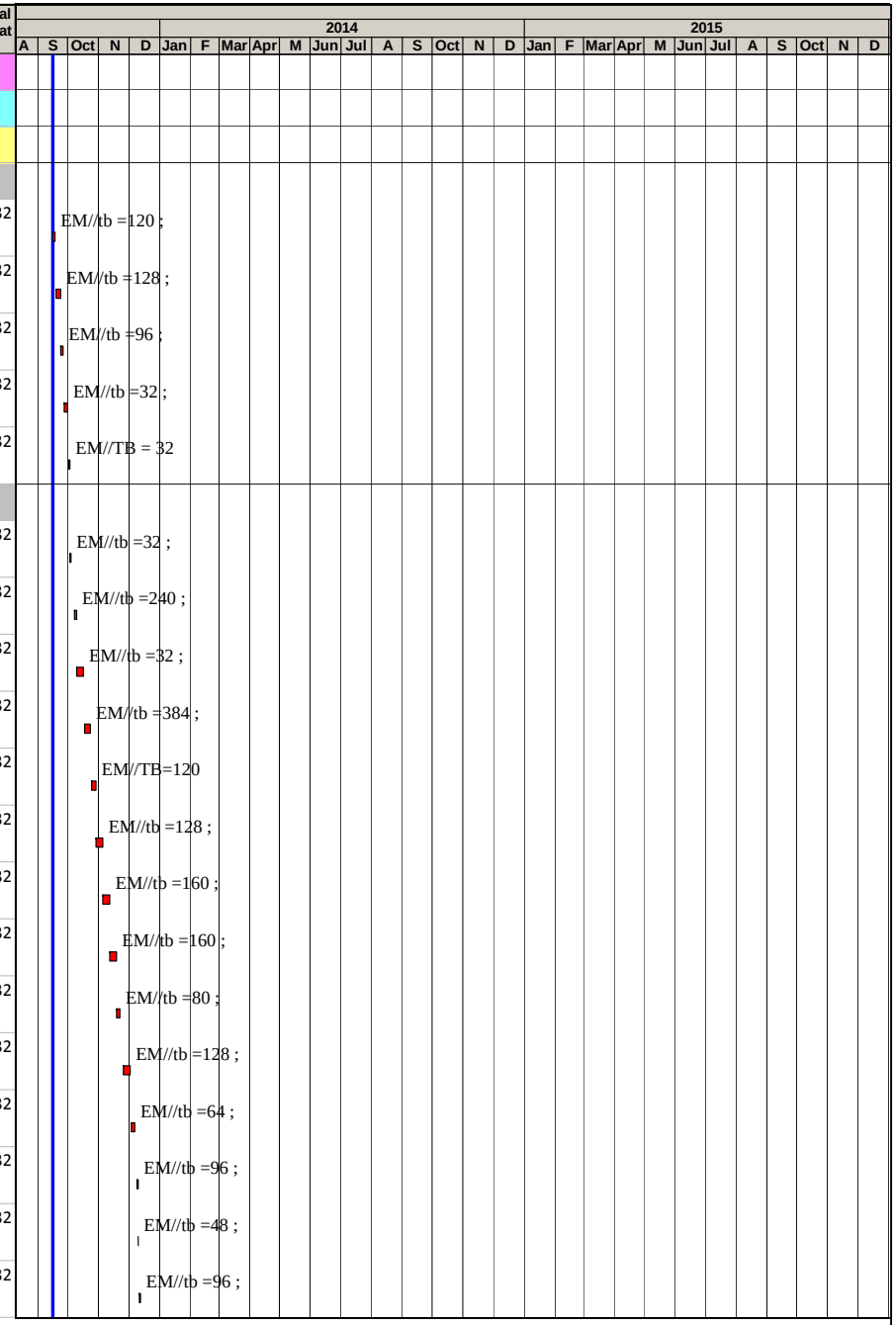
Activity ID	Activity Name	Orig Dur	Act % Comp	Start	Finish	BL Project Finish	BL Project Total Cost	Total Float
NSTX Upgrade Project								
Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI								
CS High Bay								
Inner TF Coil Assemble Quadrants								
1304-5100	VPI full TF coil	2	0%	17-Sep-13 A	18-Sep-13	06-Jun-13	$22,513.68	-32
1304-5200	Cure VPI'd coil	3	0%	19-Sep-13	23-Sep-13	11-Jun-13	$22,513.68	-32
1304-5300	Remove full TF from mold and cleanup	3	0%	24-Sep-13	26-Sep-13	14-Jun-13	$4,169.20	-32
1304-5400	Perform final electrical tests	2	0%	27-Sep-13	30-Sep-13	18-Jun-13	$1,667.68	-32
1304-5401A	Perform metrology measurements	2	0%	01-Oct-13	02-Oct-13	05-Aug-13	$3,335.36	-32
TF/OH Fabrication								
1305-5700A	Reposition TF to Vertical Position	2	0%	03-Oct-13	04-Oct-13	19-Jun-13	$3,335.36	-32
1305-5700B	Install Aquapour mold & cure	3	0%	07-Oct-13	09-Oct-13	03-Jul-13	$25,015.20	-32
1305-5700C	Cure Aquapour	5	0%	10-Oct-13	16-Oct-13	09-Jul-13	$3,335.36	-32
1305-5800	Rem Mold/Apply slip plane and inner groudwrap	5	0%	17-Oct-13	23-Oct-13	31-Jul-13	$40,024.32	-32
1305-5800A	Lower TF to hor/transport to wind station	3	0%	24-Oct-13	28-Oct-13		$0.00	-32
1305-5600	Prepare TF for OH winding	5	0%	29-Oct-13	04-Nov-13	06-Aug-13	$13,341.44	-32
1305-5900	Braze first lead and prepare for winding	5	0%	05-Nov-13	11-Nov-13	13-Aug-13	$16,676.80	-32
1305-6000	Wind 1st Quarter of layer #1	5	0%	12-Nov-13	18-Nov-13	20-Aug-13	$16,676.80	-32
1305-6100	Make (2) in-line brazes of 1st Qtr of layer #1	4	0%	19-Nov-13	22-Nov-13	27-Aug-13	$8,338.40	-32
1305-6200	Wind second Quarter of layer #1	4	0%	25-Nov-13	02-Dec-13	03-Sep-13	$13,341.44	-32
1305-6200A	Make (2) in-line brazes of 2nd Qtr of layer #1	4	0%	03-Dec-13	06-Dec-13	09-Sep-13	$6,670.72	-32
1305-6200B	Wind Third Qtr of layer #1 (2 shift til Fin)	2	0%	09-Dec-13	10-Dec-13	11-Sep-13	$10,006.08	-32
1305-6200C	Make (2) in-line brazes of 2nd Qtr of layer #1	1	0%	10-Dec-13	10-Dec-13	12-Sep-13	$5,003.04	-32
1305-6200D	Wind 4th Qtr of layer #1	2	0%	11-Dec-13	12-Dec-13	13-Sep-13	$10,006.08	-32



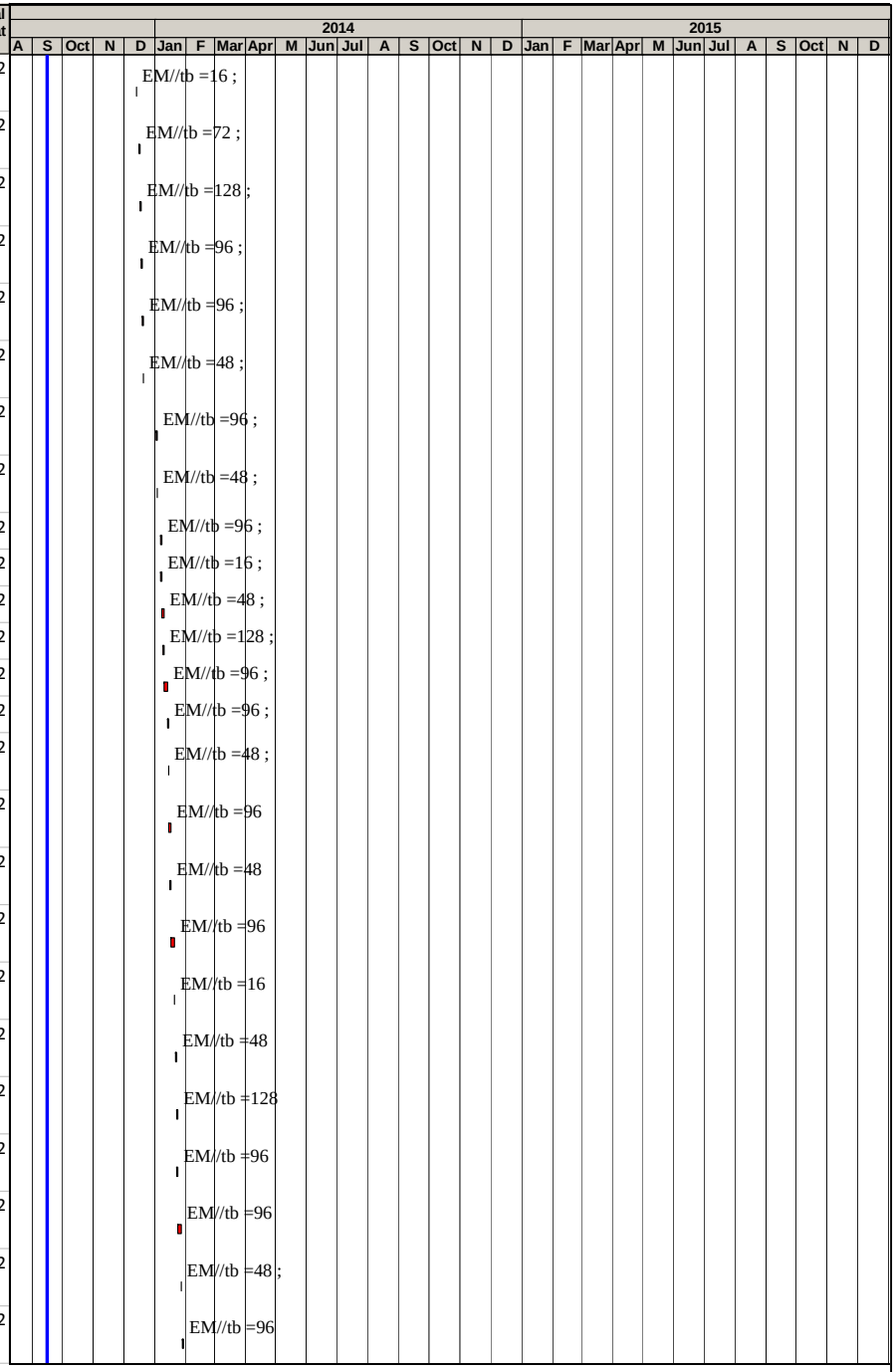
Critical Remaining Work

◆ Milestone

NSTX-U Critical Path

Run Date:20-Sep-13

Activity ID	Activity Name	Orig Dur	Act % Comp	Start	Finish	BL Project Finish	BL Project Total Cost	Total Float
1305-6300	Perform prelim electrcial tests of lay 1/lk chk	1	0%	13-Dec-13	13-Dec-13	16-Sep-13	$1,667.68	-32
1305-6400	Braze layer to layer joint layer #1	2	0%	16-Dec-13	17-Dec-13	18-Sep-13	$7,504.56	-32
1305-6500	Wind 1st Quarter of layer #2	2	0%	17-Dec-13	18-Dec-13	19-Sep-13	$13,341.44	-32
1305-6600	Make (2) in-line brazes of 1st Qtr of layer #2	2	0%	18-Dec-13	19-Dec-13	20-Sep-13	$10,006.08	-32
1305-6700	Wind second Quarter of layer #2	2	0%	19-Dec-13	20-Dec-13	23-Sep-13	$10,006.08	-32
1305-6700A	Make (2) in-line brazes of 2nd Qtr of layer #2	1	0%	20-Dec-13	20-Dec-13	24-Sep-13	$5,003.04	-32
1305-6700B	Wind Third Quarter of layer #2	2	0%	02-Jan-14	03-Jan-14	25-Sep-13	$10,006.08	-32
1305-6700C	Make (2) in-line brazes of 3rd Qtr of layer #2	1	0%	03-Jan-14	03-Jan-14	26-Sep-13	$5,003.04	-32
1305-6700D	Wind 4th Quarter of layer #2	2	0%	06-Jan-14	07-Jan-14	27-Sep-13	$10,006.08	-32
1305-6800	Perform prelim electrical test lay 2/lk	1	0%	07-Jan-14	07-Jan-14	27-Sep-13	$1,667.68	-32
1305-6900	Braze layer to layer joint layer #2	2	0%	08-Jan-14	09-Jan-14	30-Sep-13	$5,003.04	-32
1305-7000	Wind 1st Quarter of layer #3	2	0%	09-Jan-14	10-Jan-14	02-Oct-13	$13,341.44	-32
1305-7100	Make (2) in-line brazes of 1st Qtr of la	2	0%	10-Jan-14	13-Jan-14	03-Oct-13	$10,006.08	-32
1305-7200	Wind second Quarter of layer #3	2	0%	13-Jan-14	14-Jan-14	04-Oct-13	$10,006.08	-32
1305-7200A	Make (2) in-line brazes of 2nd Qtr of layer #3	1	0%	14-Jan-14	14-Jan-14	07-Oct-13	$5,003.04	-32
1305-7200B	Wind third Quarter of layer #3	2	0%	15-Jan-14	16-Jan-14	08-Oct-13	$10,006.08	-32
1305-7200C	Make (2) in-line brazes of 3rd Qtr of layer #3	1	0%	16-Jan-14	16-Jan-14	09-Oct-13	$5,003.04	-32
1305-7200D	Wind 4th Quarter of layer #3	2	0%	17-Jan-14	20-Jan-14	10-Oct-13	$10,006.08	-32
1305-7300	Perform prelim electrical tests layer #3	1	0%	20-Jan-14	20-Jan-14	10-Oct-13	$1,667.68	-32
1305-7400	Braze layer to layer joint layer #3	2	0%	21-Jan-14	22-Jan-14	11-Oct-13	$5,003.04	-32
1305-7500	Wind first Quarter of layer #4	2	0%	22-Jan-14	23-Jan-14	15-Oct-13	$13,341.44	-32
1305-7600	Make (2) in-line brazes of 1st Qtr of layer #4	1	0%	23-Jan-14	23-Jan-14	16-Oct-13	$10,006.08	-32
1305-7700	Wind second Quarter of layer #4	2	0%	24-Jan-14	27-Jan-14	17-Oct-13	$10,006.08	-32
1305-7700A	Make (2) in-line brazes of 2nd Qtr of layer #4	1	0%	27-Jan-14	27-Jan-14	18-Oct-13	$5,003.04	-32
1305-7700B	Wind third quarter of layer #4	2	0%	28-Jan-14	29-Jan-14	21-Oct-13	$10,006.08	-32



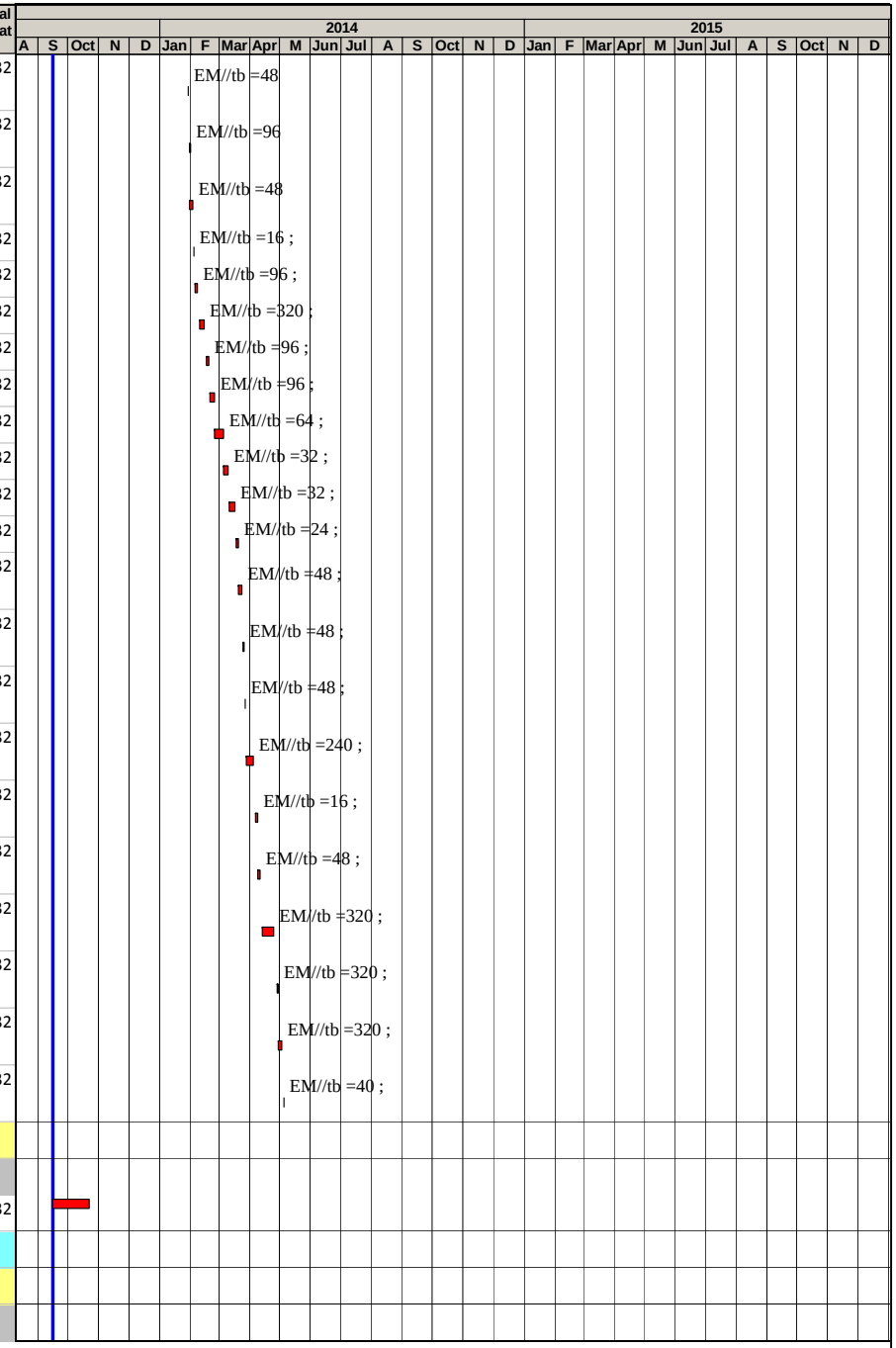
Critical Remaining Work

◆ Milestone

NSTX-U Critical Path

Run Date:20-Sep-13

Activity ID	Activity Name	Orig Dur	Act % Comp	Start	Finish	BL Project Finish	BL Project Total Cost	Total Float
1305-7700C	Make (2) in-line brazes of 3rd Qtr of layer #4	1	0%	29-Jan-14	29-Jan-14	22-Oct-13	$5,003.04	-32
1305-7700D	Wind 4th Quarter of layer #4	2	0%	30-Jan-14	31-Jan-14	23-Oct-13	$10,006.08	-32
1305-7700F	Make final lead brazes layer #4	2	0%	31-Jan-14	03-Feb-14	24-Oct-13	$5,003.04	-32
1305-7700E	Perform prelim electrical tests lay 4/lk	1	0%	04-Feb-14	04-Feb-14	25-Oct-13	$1,667.68	-32
1305-7800	Apply groundwrap insulation	3	0%	05-Feb-14	07-Feb-14	30-Oct-13	$10,006.08	-32
1305-7900	Mount OH mold around coil	5	0%	10-Feb-14	14-Feb-14	13-Nov-13	$33,353.60	-32
1305-8000	Prepare VPI operation	3	0%	17-Feb-14	19-Feb-14	18-Nov-13	$10,006.08	-32
1305-8100	VPI- mold	3	0%	20-Feb-14	24-Feb-14	21-Nov-13	$10,006.08	-32
1305-8200	Cure VPI'd coil	7	0%	25-Feb-14	05-Mar-14	05-Dec-13	$6,670.72	-32
1305-8300	Remove mold from OH coil	3	0%	06-Mar-14	10-Mar-14	06-Dec-13	$3,335.36	-32
1305-8400	Cleanup OH coil	5	0%	11-Mar-14	17-Mar-14	10-Dec-13	$3,391.84	-32
1305-8500	Silverplate all electrical surfaces (OH/	3	0%	18-Mar-14	20-Mar-14	13-Dec-13	$2,586.24	-32
1305-8800	Perform hydrostat and flow tests - OH/TF coils	2	0%	21-Mar-14	24-Mar-14	07-Jan-14	$5,172.48	-32
1305-8800C	Install temporary OH support structure	2	0%	25-Mar-14	26-Mar-14		$0.00	-32
1305-8800D	Position OH/TF in vertical position	1	0%	27-Mar-14	27-Mar-14		$0.00	-32
1305-8700	Remove aquapour between OH and TF	6	0%	28-Mar-14	04-Apr-14	02-Jan-14	$25,862.40	-32
1305-8600	Perform Final OH electrical tests	2	0%	07-Apr-14	08-Apr-14	16-Dec-13	$1,724.16	-32
1305-8800B	Lower/apply wet layup around U/L crown regions	3	0%	09-Apr-14	11-Apr-14		$0.00	-32
1305-8800A	Install Upper & Lower Crowns	10	0%	14-Apr-14	25-Apr-14	24-Jan-14	$34,483.20	-32
1305-8800E	Install upper silicone band between OH/TF	2	0%	28-Apr-14	29-Apr-14		$0.00	-32
1305-8800F	Install belleville washer assly & reinst lwr sup	3	0%	30-Apr-14	02-May-14		$0.00	-32
1305-8900	Transport to CS assembly station	1	0%	05-May-14	05-May-14	22-Jan-14	$4,310.40	-32
Final Design								
Design								
1305-1630	Generate Manufacturing Procedures &	364	65%	26-Mar-1	22-Oct-13	28-Oct-11	$0.00	-32
Job: 1302 - Center Stack Assembly-CHRZANOWSKI								
Fabrication / Assembly								
No group								



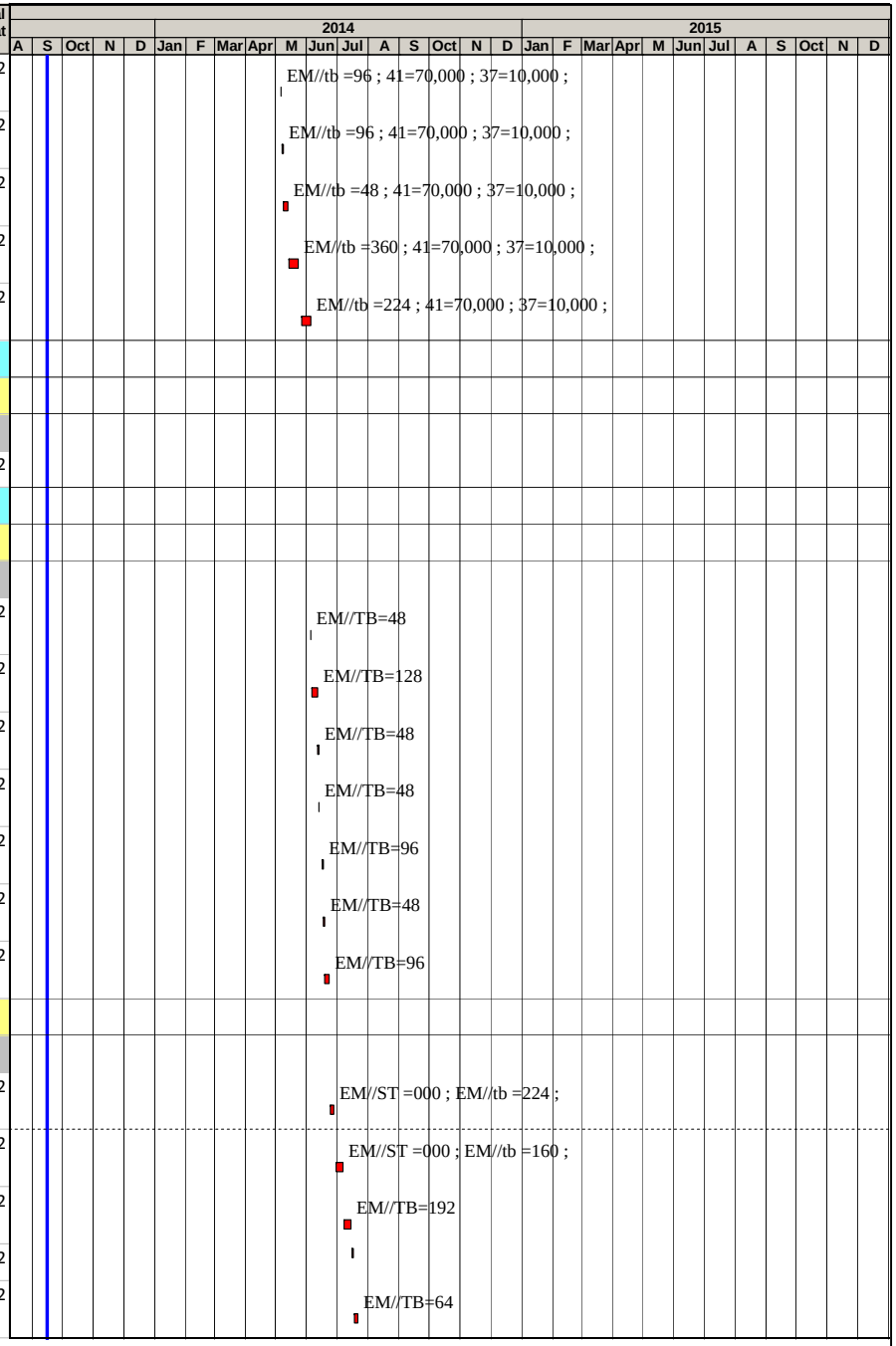
Critical Remaining Work

◆ Milestone

NSTX-U Critical Path

Run Date:20-Sep-13

Activity ID	Activity Name	Orig Dur	Act % Comp	Start	Finish	BL Project Finish	BL Project Total Cost	Total Float
1302-1500A	Position OH/TF in vertical position	1	0%	06-May-14	06-May-14	27-Jan-14	$10,344.96	-32
1302-1500B	Join the lower PF1A assembly with OH/TF bundle	2	0%	07-May-14	08-May-14	30-Jan-14	$10,344.96	-32
1302-1501B	Apply ground plane to OH outer surface	3	0%	09-May-14	13-May-14	04-Feb-14	$5,172.48	-32
1302-1500C	Install the surface diagnostics onto OH surface	8	0%	14-May-14	23-May-14	25-Feb-14	$38,793.60	-32
1302-1500D	Install Micro-therm insulation around OH coil	7	0%	27-May-14	04-Jun-14	06-Mar-14	$24,138.24	-32
Job: 2470 - 2nd NBI Power-RAKI								
Installation								
Relocate Sources								
2425-0120A	Align 3 - Source Movement	5	0%	28-Jun-13	27-Oct-14		$0.00	-32
Job: 8250 - Remove/Install Centerstack-PERRY								
CS Assembly in NSTX South High Bay								
Install New Centerstack								
8250-174B	OH/TF Bundle delivery to the NTC South High Bay	1	0%	05-Jun-14	05-Jun-14	28-Mar-14	$5,172.48	-32
8250-174E	Install OH/TF bundle tilt up fixture	4	0%	06-Jun-14	11-Jun-14	03-Apr-14	$13,793.28	-32
8250-174F	Install OH/TF bundle into tilt up fixture	1	0%	12-Jun-14	12-Jun-14	04-Apr-14	$5,172.48	-32
8250-174G	Rotate OH/TF bundle to vertical position	1	0%	13-Jun-14	13-Jun-14	07-Apr-14	$5,172.48	-32
8250-174H	Lift CS casing over the OH/TF bundle	2	0%	16-Jun-14	17-Jun-14	09-Apr-14	$10,344.96	-32
8250-174I	Install PF1AU onto CS casing	1	0%	18-Jun-14	18-Jun-14	10-Apr-14	$5,172.48	-32
8250-174J	Install kapton/G10 flash shields	3	0%	19-Jun-14	23-Jun-14	15-Apr-14	$10,344.96	-32
Installation								
Install New Centerstack								
8250-129	Lift in new centerstack (2 times)	4	0%	24-Jun-14	27-Jun-14	09-Apr-14	$27,879.04	-32
8250-133	Check vacuum seals	5	0%	30-Jun-14	07-Jul-14	16-Apr-14	$21,068.00	-32
8250-174S	Install Upper/Lower TF flex bus support rings	6	0%	08-Jul-14	15-Jul-14	23-Apr-14	$20,689.92	-32
8250-137H	Install inst. cables to CS organ pipes	2	0%	16-Jul-14	17-Jul-14		$0.00	-32
8250-174K	Install lower ceramic break assembly	2	0%	18-Jul-14	21-Jul-14	29-May-14	$0.00	-32



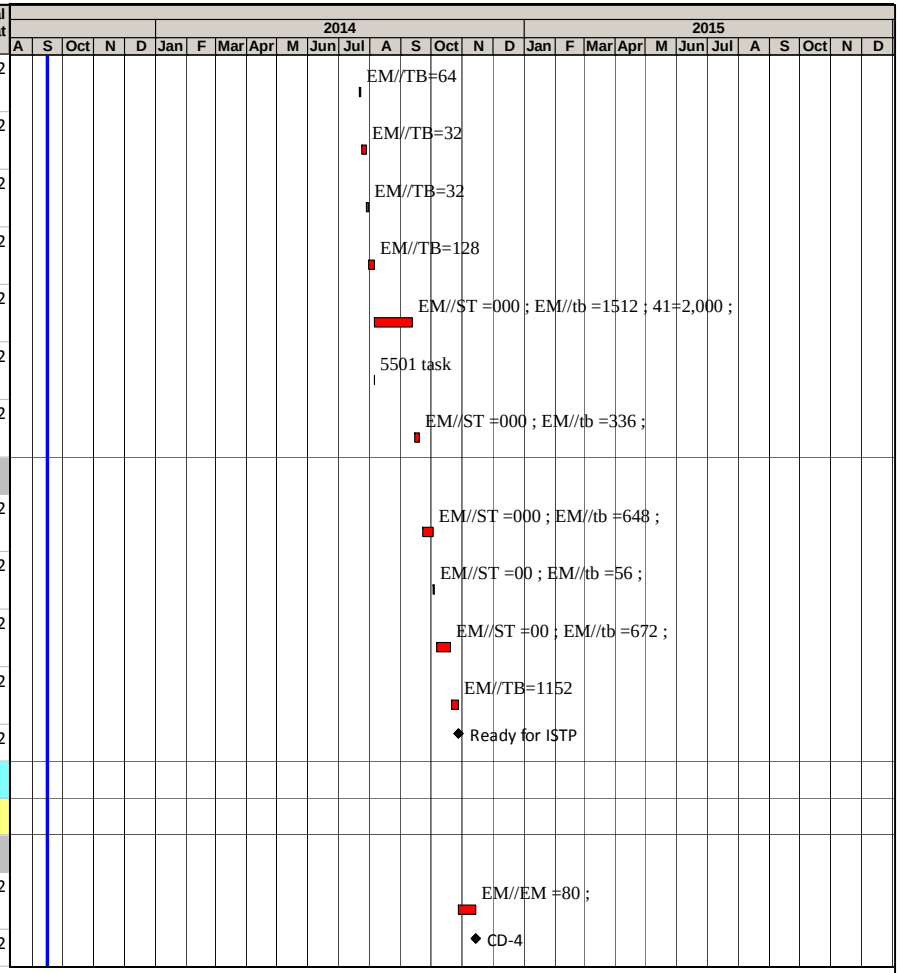
Critical Remaining Work

◆ Milestone

NSTX-U Critical Path

Run Date:20-Sep-13

Activity ID	Activity Name	Orig Dur	Act % Comp	Start	Finish	BL Project Finish	BL Project Total Cost	Total Float
8250-174L	Install upper ceramic break assembly	2	0%	22-Jul-14	23-Jul-14	02-May-14	$6,896.64	-32
8250-174M	Install upper/lower organ pipes	3	0%	24-Jul-14	28-Jul-14	05-May-14	$3,448.32	-32
8250-174N	Install upper/lower CHI flags	2	0%	29-Jul-14	30-Jul-14	06-May-14	$3,448.32	-32
8250-174O	Install upper/lower edge tiles	4	0%	31-Jul-14	05-Aug-14	12-May-14	$13,793.28	-32
8250-137	Install new flex bus (3 times w/2 re-machinings)	27	0%	06-Aug-14	12-Sep-14	23-Jun-14	$190,883.52	-32
8250-137I	Install bus I/S umbrella etc. (placeholder)	0	0%	06-Aug-14	06-Aug-14		$0.00	-32
8250-141	Install new umbrella (3 times w/2 re-machinings)	5	0%	15-Sep-14	19-Sep-14	03-Jun-14	$41,818.56	-32
Close Vessel and Pumpdown								
8250-145	Clean, Photo, Close VV	9	0%	22-Sep-14	02-Oct-14	18-Jun-14	$79,264.80	-32
8250-149	Pumpdown	1	0%	03-Oct-14	03-Oct-14	19-Jun-14	$6,969.76	-32
8250-153	Leak check	11	0%	06-Oct-14	20-Oct-14	08-Jul-14	$83,637.12	-32
8250-165	Setup and perform CS bakeout	5	0%	21-Oct-14	27-Oct-14	13-Aug-14	$140,915.20	-32
8250-173	Ready for ISTP	0	0%		27-Oct-14	08-Sep-14	$0.00	-32
Job: 7900 - Integrated System Test-GENTILE								
Fabrication / Assembly								
Integrated System Testing (WBS 1.7 / Job 7900)								
7900-140	Perform ISTP	13	0%	28-Oct-14*	13-Nov-14	29-Sep-14	$14,651.20	-32
7900-999	CD-4	0	0%		13-Nov-14	30-Sep-14	$0.00	-32



Critical Remaining Work

◆ Milestone

NSTX-U Critical Path

Run Date:20-Sep-13