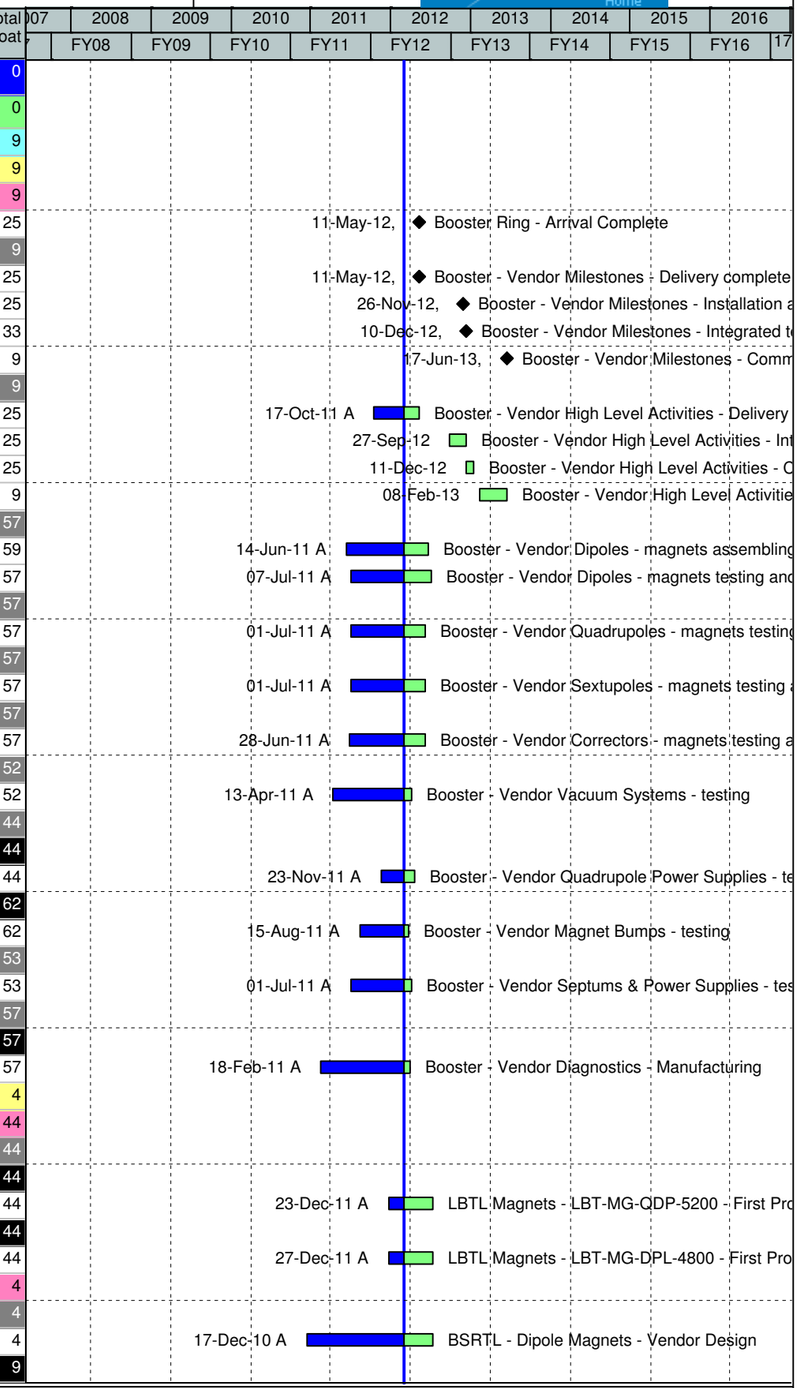
(B) NSLS-II - Near Critical Path

NSLS-II NATIONAL SYNCHROTRON LIGHT SOURCE II

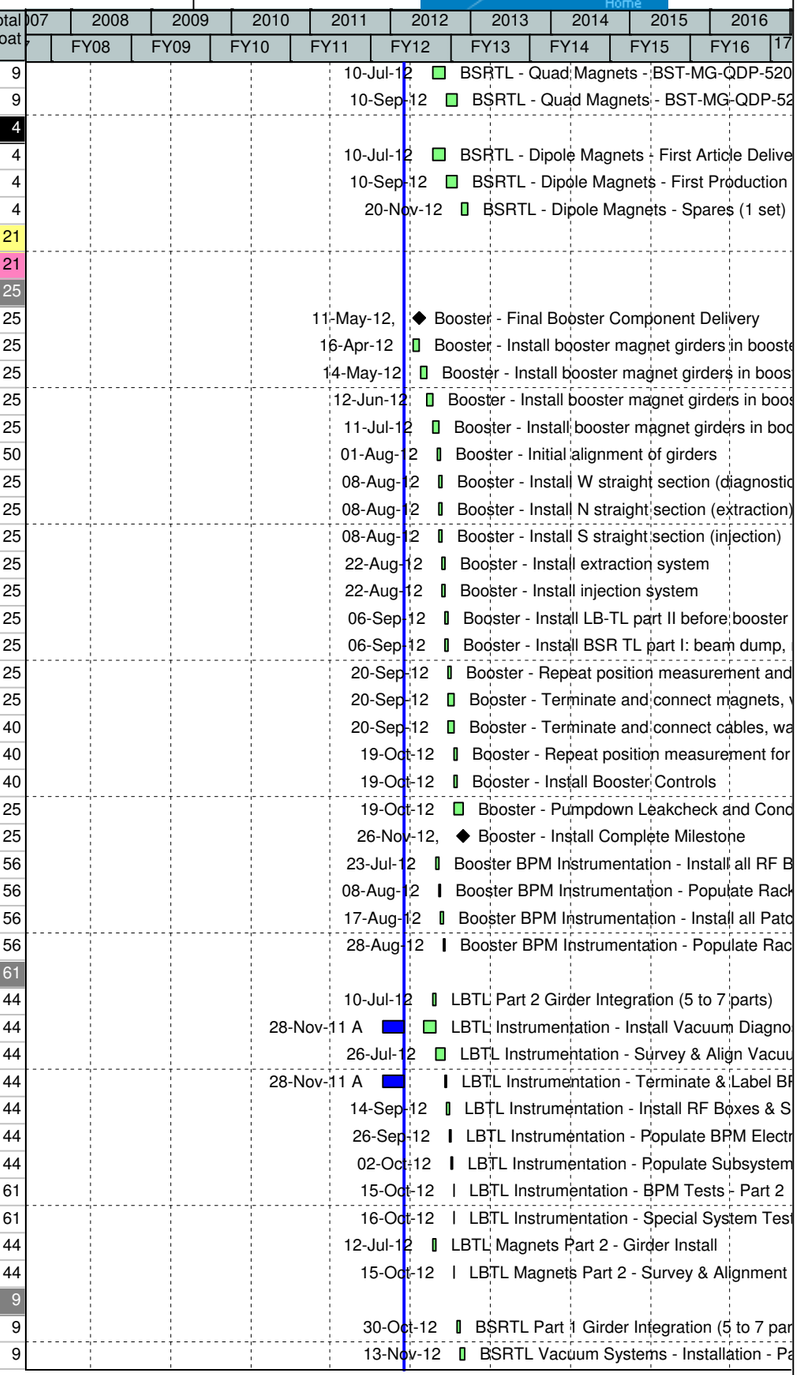
BROOKHAVEN NATIONAL LABORATORY

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
NSLSII Integrated Project WBS			928	02-Aug-10 A	18-Apr-14	0
Accelerator Systems			878	02-Aug-10 A	06-Feb-14	0
Injection System			595	17-Dec-10 A	17-Jun-13	9
Booster System			576	18-Feb-11 A	17-Jun-13	9
Booster Ring - Vendor Contract Award Schedule			576	18-Feb-11 A	17-Jun-13	9
1.03.03.02.01	AXS1360	Booster Ring - Arrival Complete	0		11-May-12	25
Booster Ring - Vendor Milestones			274	11-May-12	17-Jun-13	9
1.03.03.02.01	AXSB013	Booster - Vendor Milestones - Delivery complete	0		11-May-12	25
1.03.03.02.01	AXSB014	Booster - Vendor Milestones - Installation at BNL complete	0		26-Nov-12	25
1.03.03.02.01	AXSB015	Booster - Vendor Milestones - Integrated testing complete	0		10-Dec-12	33
1.03.03.02.01	AXSB016	Booster - Vendor Milestones - Commissioning complete	0		17-Jun-13	9
Booster Ring - Vendor High Level Activities			321	17-Oct-11 A	17-Jun-13	9
1.03.03.02.01	AXSB269	Booster - Vendor High Level Activities - Delivery	28	17-Oct-11 A	11-May-12	25
1.03.03.02.01	AXSB283	Booster - Vendor High Level Activities - Integrated Testing at BNL	50	27-Sep-12	10-Dec-12	25
1.03.03.02.01	AXSB283-010	Booster - Vendor High Level Activities - Conditioning	23	11-Dec-12	15-Jan-13	25
1.03.03.02.01	AXSB284	Booster - Vendor High Level Activities - Commissioning	90	08-Feb-13	17-Jun-13	9
Booster Ring - Vendor Dipoles			122	14-Jun-11 A	02-Jul-12	57
1.03.03.02.01	AXSB034	Booster - Vendor Dipoles - magnets assembling	105	14-Jun-11 A	22-Jun-12	59
1.03.03.02.01	AXSB035	Booster - Vendor Dipoles - magnets testing and measurements	120	07-Jul-11 A	02-Jul-12	57
Booster Ring - Vendor Quadrupoles			90	01-Jul-11 A	04-Jun-12	57
1.03.03.02.01	AXSB054	Booster - Vendor Quadrupoles - magnets testing and measurements	90	01-Jul-11 A	04-Jun-12	57
Booster Ring - Vendor Sextupoles			95	01-Jul-11 A	04-Jun-12	57
1.03.03.02.01	AXSB073	Booster - Vendor Sextupoles - magnets testing and measurements	95	01-Jul-11 A	04-Jun-12	57
Booster Ring - Vendor Correctors			96	28-Jun-11 A	04-Jun-12	57
1.03.03.02.01	AXSB092	Booster - Vendor Correctors - magnets testing and measurements	96	28-Jun-11 A	04-Jun-12	57
Booster Ring - Vendor Vacuum systems			121	13-Apr-11 A	04-Apr-12	52
1.03.03.02.01	AXSB149	Booster - Vendor Vacuum Systems - testing	121	13-Apr-11 A	04-Apr-12	52
Booster Ring - Vendor Power Supplies			96	15-Aug-11 A	16-Apr-12	44
Booster Ring - Vendor Power supplies for quadrupoles and DC septum			49	23-Nov-11 A	16-Apr-12	44
1.03.03.02.01	AXSB170	Booster - Vendor Quadrupole Power Supplies - testing	49	23-Nov-11 A	16-Apr-12	44
Booster Ring - Vendor Power supplies for sextupole, correctors and bumps			50	15-Aug-11 A	21-Mar-12	62
1.03.03.02.01	AXSB185	Booster - Vendor Magnet Bumps - testing	50	15-Aug-11 A	21-Mar-12	62
Booster Ring - Vendor Septums and PS			90	01-Jul-11 A	03-Apr-12	53
1.03.03.02.01	AXSB195	Booster - Vendor Septums & Power Supplies - testing and tuning	90	01-Jul-11 A	03-Apr-12	53
Booster Ring - Vendor Diagnostics			154	18-Feb-11 A	28-Mar-12	57
Booster Ring - Vendor Optical mirror for SR output			154	18-Feb-11 A	28-Mar-12	57
1.03.03.02.01	AXSB246	Booster - Vendor Diagnostics - Manufacturing	154	18-Feb-11 A	28-Mar-12	57
Transport Lines			474	17-Dec-10 A	20-Dec-12	4
Linac To Booster Transport Line			61	23-Dec-11 A	09-Jul-12	44
LBTL Magnets			61	23-Dec-11 A	09-Jul-12	44
LBTL Magnets - Quads Standard			60	23-Dec-11 A	09-Jul-12	44
1.03.03.03.01.01	AXS2170-110	LBTL Magnets - LBT-MG-QDP-5200 - First Production Delivery	60	23-Dec-11 A	09-Jul-12	44
LBTL Magnets - Dipoles			60	27-Dec-11 A	09-Jul-12	44
1.03.03.03.01.01	AXS2170-210	LBTL Magnets - LBT-MG-DPL-4800 - First Production Delivery	60	27-Dec-11 A	09-Jul-12	44
Booster to Storage Ring Transport Line			474	17-Dec-10 A	20-Dec-12	4
BSRTL Magnets			474	17-Dec-10 A	20-Dec-12	4
1.03.03.03.01.01	AXS3360-100	BSRTL - Dipole Magnets - Vendor Design	189	17-Dec-10 A	09-Jul-12	4
BSRTL Magnets - Quads			78	10-Jul-12	29-Oct-12	9



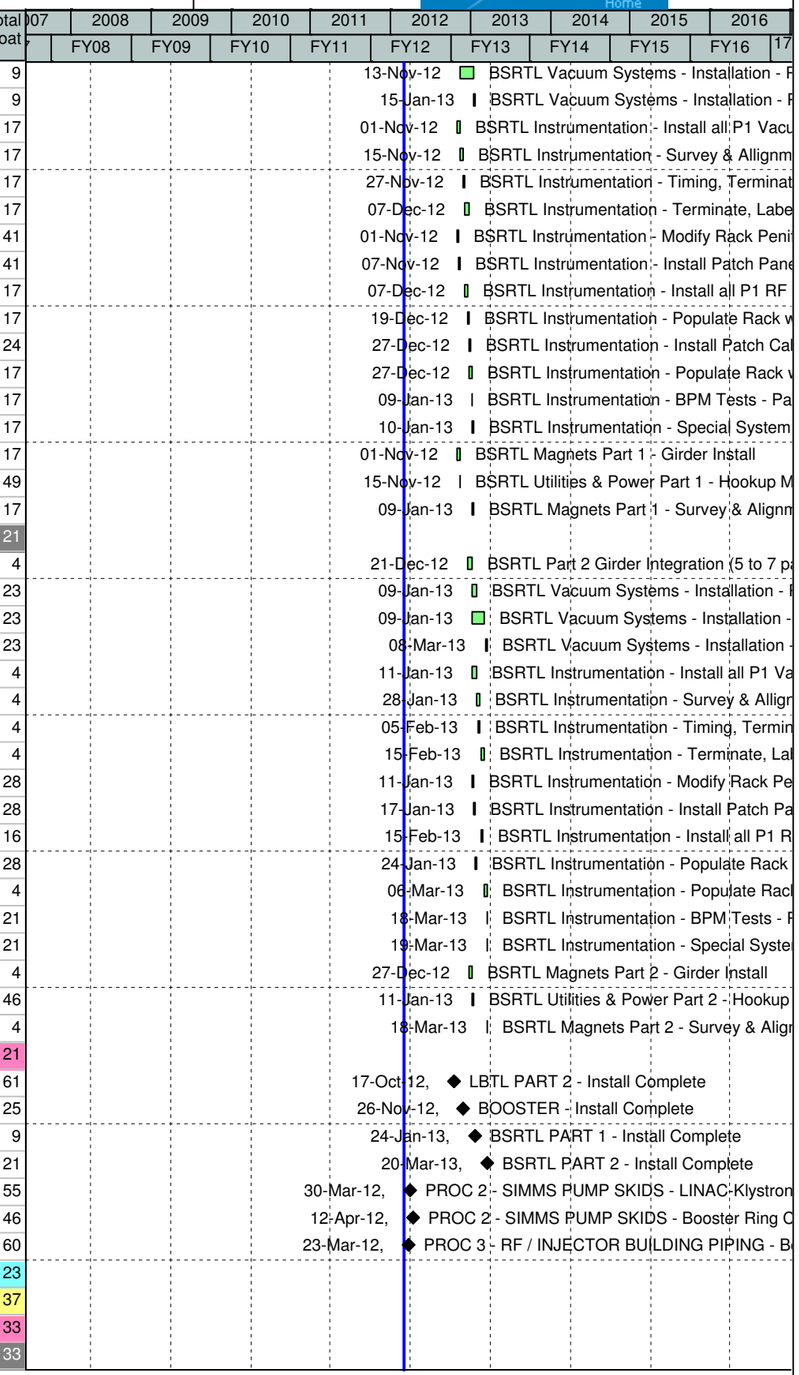
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.03.03.01.01	AXS2170-400	BSRTL - Quad Magnets - BST-MG-QDP-5200 - First Article Delivery	43	10-Jul-12	07-Sep-12	9
1.03.03.03.01.01	AXS2170-410	BSRTL - Quad Magnets - BST-MG-QDP-5200 - First Production Delivery	35	10-Sep-12	29-Oct-12	9
BSRTL Magnets - Dipoles			114	10-Jul-12	20-Dec-12	4
1.03.03.03.01.01	AXS3360-200	BSRTL - Dipole Magnets - First Article Delivery (1 unit)	43	10-Jul-12	07-Sep-12	4
1.03.03.03.01.01	AXS3360-300	BSRTL - Dipole Magnets - First Production Delivery (3 units)	35	10-Sep-12	29-Oct-12	4
1.03.03.03.01.01	AXS3360-400	BSRTL - Dipole Magnets - Spares (1 set)	21	20-Nov-12	20-Dec-12	4
Injector Installation			247	28-Nov-11 A	20-Mar-13	21
Injector System Installation			237	28-Nov-11 A	20-Mar-13	21
Booster Installation			155	16-Apr-12	26-Nov-12	25
1.03.03.05.07	AXS1415	Booster - Final Booster Component Delivery	0		11-May-12	25
1.03.03.05.07	AXS1425-100	Booster - Install booster magnet girders in booster tunnel-NW quadrant	20	16-Apr-12	11-May-12	25
1.03.03.05.07	AXS1425-110	Booster - Install booster magnet girders in booster tunnel-SW quadrant	20	14-May-12	11-Jun-12	25
1.03.03.05.07	AXS1425-120	Booster - Install booster magnet girders in booster tunnel-NE quadrant	20	12-Jun-12	10-Jul-12	25
1.03.03.05.07	AXS1425-130	Booster - Install booster magnet girders in booster tunnel-SE quadrant	20	11-Jul-12	07-Aug-12	25
1.03.03.05.07	AXS1425-140	Booster - Initial alignment of girders	10	01-Aug-12	14-Aug-12	50
1.03.03.05.07	AXS1425-150	Booster - Install W straight section (diagnostics)	10	08-Aug-12	21-Aug-12	25
1.03.03.05.07	AXS1425-160	Booster - Install N straight section (extraction)	10	08-Aug-12	21-Aug-12	25
1.03.03.05.07	AXS1425-170	Booster - Install S straight section (injection)	10	08-Aug-12	21-Aug-12	25
1.03.03.05.07	AXS1425-180	Booster - Install extraction system	10	22-Aug-12	05-Sep-12	25
1.03.03.05.07	AXS1425-190	Booster - Install injection system	10	22-Aug-12	05-Sep-12	25
1.03.03.05.07	AXS1425-200	Booster - Install LB-TL part II before booster commissioning	10	06-Sep-12	19-Sep-12	25
1.03.03.05.07	AXS1425-210	Booster - Install BSR TL part I: beam dump, magnets, diagnostics TL	10	06-Sep-12	19-Sep-12	25
1.03.03.05.07	AXS1425-220	Booster - Repeat position measurement and alignment procedure for all magnets	10	20-Sep-12	03-Oct-12	25
1.03.03.05.07	AXS1425-240	Booster - Terminate and connect magnets, vacuum and diagnostics to infrastructure (ISb)	20	20-Sep-12	18-Oct-12	25
1.03.03.05.07	AXS1425-250	Booster - Terminate and connect cables, water and air pipes (tunnel)	20	20-Sep-12	18-Oct-12	40
1.03.03.05.07	AXS1425-290	Booster - Repeat position measurement for all magnets	10	19-Oct-12	01-Nov-12	40
1.03.03.05.07	AXS1425-300	Booster - Install Booster Controls	10	19-Oct-12	01-Nov-12	40
1.03.03.05.07	AXS1425-310	Booster - Pumpdown Leakcheck and Condition Vacuum System	25	19-Oct-12	26-Nov-12	25
1.03.03.05.07	AXS1435	Booster - Install Complete Milestone	0		26-Nov-12	25
1.03.03.05.05	AXS6520-160	Booster BPM Instrumentation - Install all RF Boxes, Label & Connect SIO2 Cables (37, 148 total)	12	23-Jul-12	07-Aug-12	56
1.03.03.05.05	AXS6520-170	Booster BPM Instrumentation - Populate Rack w/BPM Electronics (37 Rcvr)	7	08-Aug-12	16-Aug-12	56
1.03.03.05.05	AXS6520-180	Booster BPM Instrumentation - Install all Patch Cables (185 total)	7	17-Aug-12	27-Aug-12	56
1.03.03.05.05	AXS6520-190	Booster BPM Instrumentation - Populate Rack w/Sub-System Electronics	5	28-Aug-12	04-Sep-12	56
Linac to Booster Transport Line - Part 2 Installation			134	28-Nov-11 A	17-Oct-12	61
1.03.03.05.08	AXS3735-020	LBTL Part 2 Girder Integration (5 to 7 parts)	10	10-Jul-12	23-Jul-12	44
1.03.03.05.05	AXS6530-100	LBTL Instrumentation - Install Vacuum Diagnostics & Supports - Part 2	10	28-Nov-11 A	25-Jul-12	44
1.03.03.05.05	AXS6530-110	LBTL Instrumentation - Survey & Align Vacuum Diagnostics - Part 2	31	26-Jul-12	07-Sep-12	44
1.03.03.05.05	AXS6530-120	LBTL Instrumentation - Terminate & Label BPM Cables - Part 2	8	28-Nov-11 A	13-Sep-12	44
1.03.03.05.05	AXS6530-160	LBTL Instrumentation - Install RF Boxes & SIO2 Cables - Part 2	8	14-Sep-12	25-Sep-12	44
1.03.03.05.05	AXS6530-170	LBTL Instrumentation - Populate BPM Electronics - Part 2	4	26-Sep-12	01-Oct-12	44
1.03.03.05.05	AXS6530-190	LBTL Instrumentation - Populate Subsystem Electronics - Part 2	8	02-Oct-12	12-Oct-12	44
1.03.03.05.05	AXS6530-200	LBTL Instrumentation - BPM Tests - Part 2	1	15-Oct-12	15-Oct-12	61
1.03.03.05.05	AXS6530-210	LBTL Instrumentation - Special System Tests - Part 2	2	16-Oct-12	17-Oct-12	61
1.03.03.05.08	AXS6825	LBTL Magnets Part 2 - Girder Install	10	12-Jul-12	25-Jul-12	44
1.03.03.05.08	AXS6840	LBTL Magnets Part 2 - Survey & Alignment	3	15-Oct-12	17-Oct-12	44
Booster to Storage Ring Transport Line - Part 1 Installation			57	30-Oct-12	24-Jan-13	9
1.03.03.05.08	AXS3740-010	BSRTL Part 1 Girder Integration (5 to 7 parts)	10	30-Oct-12	12-Nov-12	9
1.03.03.05.03	AXS6350	BSRTL Vacuum Systems - Installation - Part 1 - Vacuum Component Assembly	15	13-Nov-12	05-Dec-12	9



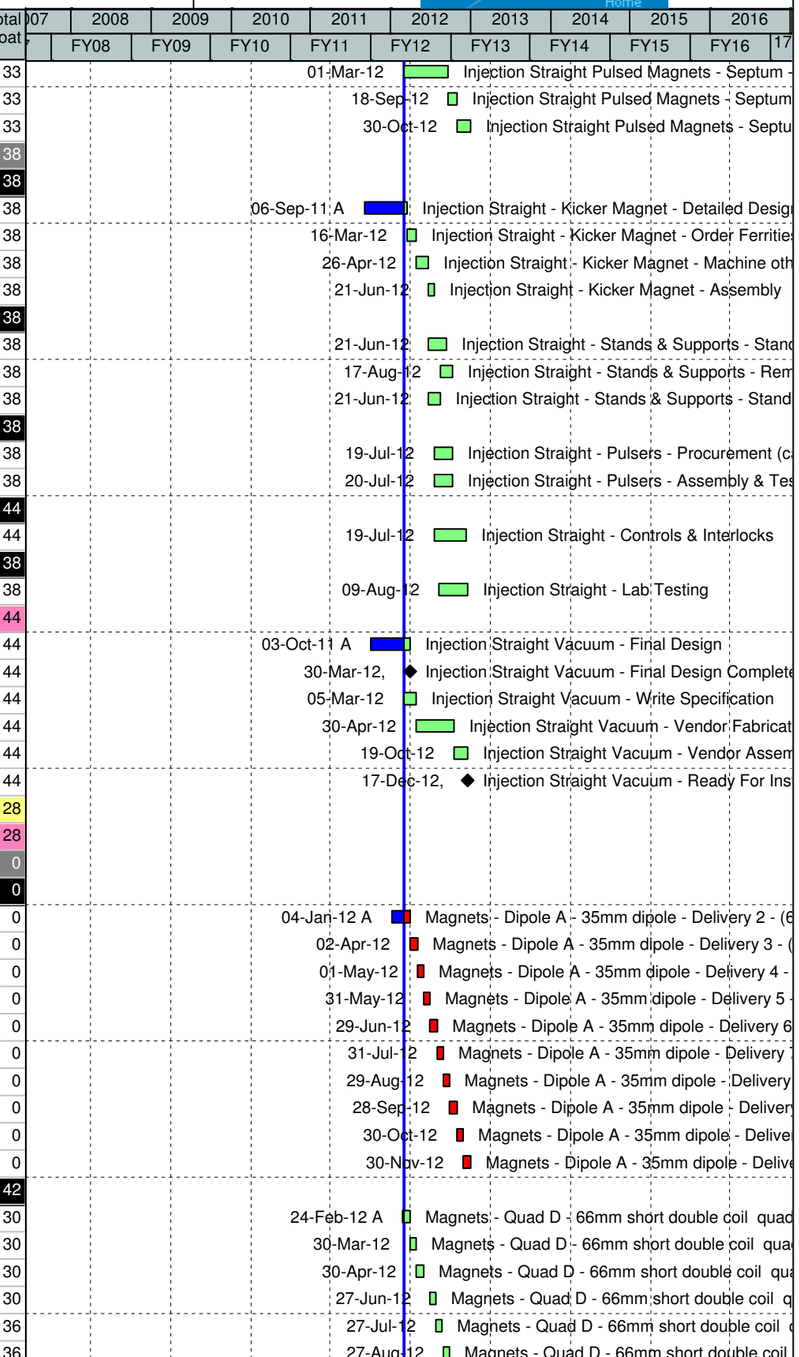
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.03.05.03	AXS6360	BSRTL Vacuum Systems - Installation - Part 1 - Vacuum Instrument & Cable Terminations	40	13-Nov-12	14-Jan-13	9
1.03.03.05.03	AXS6370	BSRTL Vacuum Systems - Installation - Part 1 - Pump-down & Leak Check	7	15-Jan-13	24-Jan-13	9
1.03.03.05.05	AXS6540-100	BSRTL Instrumentation - Install all P1 Vacuum Diagnostics & Supports - Part 1	10	01-Nov-12	14-Nov-12	17
1.03.03.05.05	AXS6540-110	BSRTL Instrumentation - Survey & Allignment all P1 Vacuum Diagnostics - Part 1	10	15-Nov-12	30-Nov-12	17
1.03.03.05.05	AXS6540-120	BSRTL Instrumentation - Timing, Terminate, Label All P1 BPM Cables - Part 1	8	27-Nov-12	06-Dec-12	17
1.03.03.05.05	AXS6540-130	BSRTL Instrumentation - Terminate, Label all P1 Special Cables - Part 1	12	07-Dec-12	26-Dec-12	17
1.03.03.05.05	AXS6540-140	BSRTL Instrumentation - Modify Rack Penitration for Custom Patch Panel Install - Part 1	4	01-Nov-12	06-Nov-12	41
1.03.03.05.05	AXS6540-150	BSRTL Instrumentation - Install Patch Panel for BPM Diagnostics Racks - Part 1	4	07-Nov-12	12-Nov-12	41
1.03.03.05.05	AXS6540-160	BSRTL Instrumentation - Install all P1 RF Boxes, Label & Connect P1 SIO2 Cables - Part 1	8	07-Dec-12	18-Dec-12	17
1.03.03.05.05	AXS6540-170	BSRTL Instrumentation - Populate Rack w/BPM Electronics (4 Rcvr) - Part 1	4	19-Dec-12	26-Dec-12	17
1.03.03.05.05	AXS6540-180	BSRTL Instrumentation - Install Patch Cables - Part 1	4	27-Dec-12	02-Jan-13	24
1.03.03.05.05	AXS6540-190	BSRTL Instrumentation - Populate Rack w/Sub-System Electronics - Part 1	8	27-Dec-12	08-Jan-13	17
1.03.03.05.05	AXS6540-200	BSRTL Instrumentation - BPM Tests - Part 1	1	09-Jan-13	09-Jan-13	17
1.03.03.05.05	AXS6540-210	BSRTL Instrumentation - Special System Tests - Part 1	2	10-Jan-13	11-Jan-13	17
1.03.03.05.08	AXS6850	BSRTL Magnets Part 1 - Girder Install	10	01-Nov-12	14-Nov-12	17
1.03.03.05.08	AXS6855	BSRTL Utilities & Power Part 1 - Hookup Magnets	2	15-Nov-12	16-Nov-12	49
1.03.03.05.08	AXS6860	BSRTL Magnets Part 1 - Survey & Alignment	3	09-Jan-13	11-Jan-13	17
Booster to Storage Ring Transport Line - Part 2 Installation			59	21-Dec-12	20-Mar-13	21
1.03.03.05.08	AXS3740-020	BSRTL Part 2 Girder Integration (5 to 7 parts)	10	21-Dec-12	08-Jan-13	4
1.03.03.05.03	AXS6380	BSRTL Vacuum Systems - Installation - Part 2 - Vacuum Component Assembly	15	09-Jan-13	30-Jan-13	23
1.03.03.05.03	AXS6390	BSRTL Vacuum Systems - Installation - Part 2 - Vacuum Instrument & Cable Terminations	40	09-Jan-13	07-Mar-13	23
1.03.03.05.03	AXS6395	BSRTL Vacuum Systems - Installation - Part 2 - Pump-down & Leak Check	7	08-Mar-13	18-Mar-13	23
1.03.03.05.05	AXS6550-100	BSRTL Instrumentation - Install all P1 Vacuum Diagnostics & Supports - Part 2	10	11-Jan-13	25-Jan-13	4
1.03.03.05.05	AXS6550-110	BSRTL Instrumentation - Survey & Allignment all P1 Vacuum Diagnostics - Part 2	10	28-Jan-13	08-Feb-13	4
1.03.03.05.05	AXS6550-120	BSRTL Instrumentation - Timing, Terminate, Label All P1 BPM Cables - Part 2	8	05-Feb-13	14-Feb-13	4
1.03.03.05.05	AXS6550-130	BSRTL Instrumentation - Terminate, Label all P1 Special Cables - Part 2	12	15-Feb-13	05-Mar-13	4
1.03.03.05.05	AXS6550-140	BSRTL Instrumentation - Modify Rack Penitration for Custom Patch Panel Install - Part 2	4	11-Jan-13	16-Jan-13	28
1.03.03.05.05	AXS6550-150	BSRTL Instrumentation - Install Patch Panel for BPM Diagnostics Racks - Part 2	4	17-Jan-13	23-Jan-13	28
1.03.03.05.05	AXS6550-160	BSRTL Instrumentation - Install all P1 RF Boxes, Label & Connect P1 SIO2 Cables - Part 2	8	15-Feb-13	27-Feb-13	16
1.03.03.05.05	AXS6550-170	BSRTL Instrumentation - Populate Rack w/BPM Electronics (4 Rcvr) - Part 2	4	24-Jan-13	29-Jan-13	28
1.03.03.05.05	AXS6550-190	BSRTL Instrumentation - Populate Rack w/Sub-System Electronics - Part 2	8	06-Mar-13	15-Mar-13	4
1.03.03.05.05	AXS6550-200	BSRTL Instrumentation - BPM Tests - Part 2	1	18-Mar-13	18-Mar-13	21
1.03.03.05.05	AXS6550-210	BSRTL Instrumentation - Special System Tests - Part 2	2	19-Mar-13	20-Mar-13	21
1.03.03.05.08	AXS6870	BSRTL Magnets Part 2 - Girder Install	10	27-Dec-12	10-Jan-13	4
1.03.03.05.08	AXS6875	BSRTL Utilities & Power Part 2 - Hookup Magnets	2	11-Jan-13	14-Jan-13	46
1.03.03.05.08	AXS6880	BSRTL Magnets Part 2 - Survey & Alignment	3	18-Mar-13	20-Mar-13	4
No Work Organization			247	23-Mar-12	20-Mar-13	21
1.03.03.05	AXS2100	LBTL PART 2 - Install Complete	0		17-Oct-12	61
1.03.03.05	AXS2110	BOOSTER - Install Complete	0		26-Nov-12	25
1.03.03.05	AXS2120	BSRTL PART 1 - Install Complete	0		24-Jan-13	9
1.03.03.05	AXS2190	BSRTL PART 2 - Install Complete	0		20-Mar-13	21
1.03.03.05.01	AXS6235-210	PROC 2 - SIMMS PUMP SKIDS - LINAC-Klystron/Booster Ring - Install Complete	0		30-Mar-12	55
1.03.03.05.01	AXS6235-230	PROC 2 - SIMMS PUMP SKIDS - Booster Ring Cavity - Install Complete	0		12-Apr-12	46
1.03.03.05.01	AXS6236-140	PROC 3 - RF / INJECTOR BUILDING PIPING - Booster Complete	0		23-Mar-12	60
Storage Ring			705	02-Aug-10 A	28-May-13	23
Injection Straight			328	06-Sep-11 A	28-Dec-12	37
Injection Straight (Injection Pulsed Magnets)			328	06-Sep-11 A	28-Dec-12	33
Injection Straight - Septum			209	01-Mar-12	28-Dec-12	33



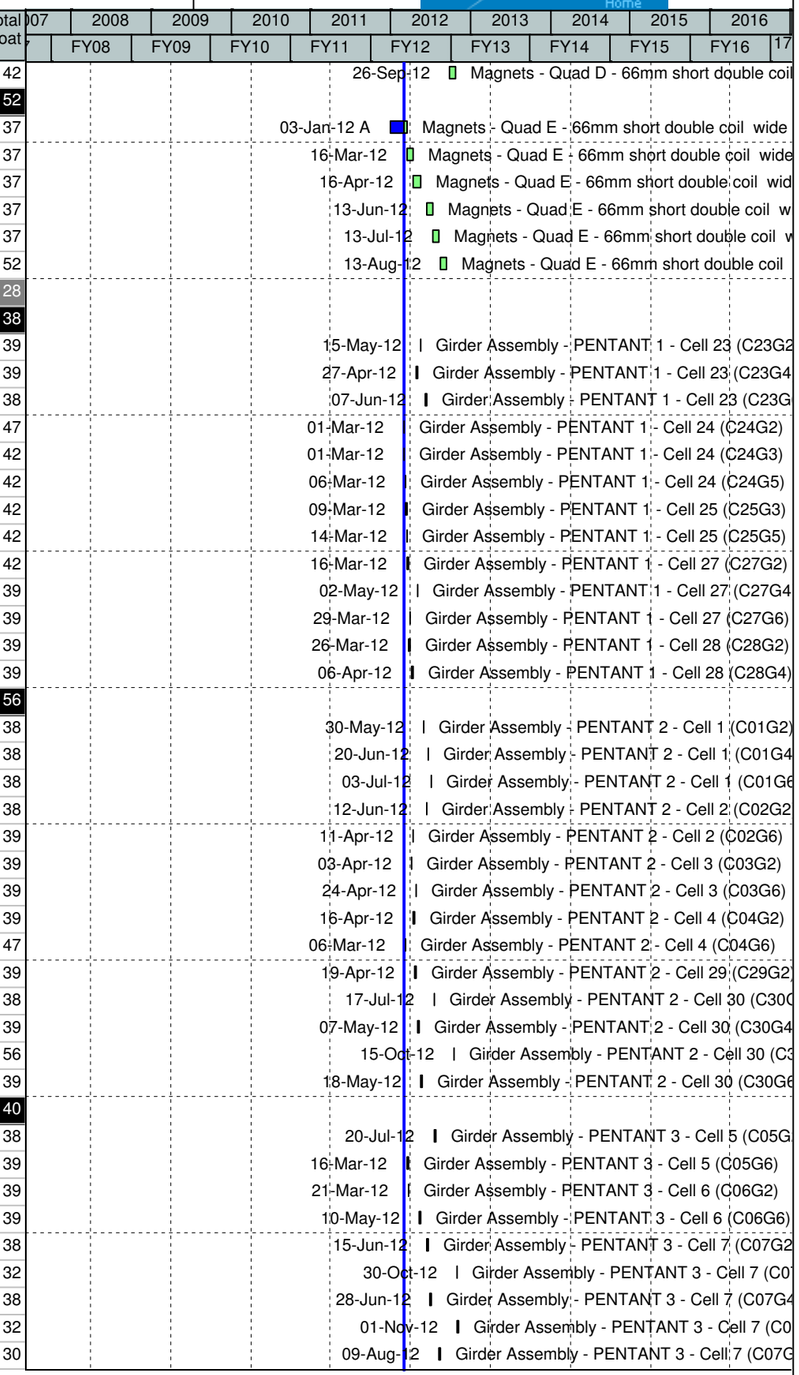
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.01.01	ASR1020-120	Injection Straight Pulsed Magnets - Septum - Fabrication of 1st Kicker System	140	01-Mar-12	17-Sep-12	33
1.03.04.01.01	ASR1020-130	Injection Straight Pulsed Magnets - Septum - Delivery of Septum System	29	18-Sep-12	29-Oct-12	33
1.03.04.01.01	ASR1020-140	Injection Straight Pulsed Magnets - Septum - Delivery of ISC	40	30-Oct-12	28-Dec-12	33
Injection Straight - Kickers (BNL)			322	06-Sep-11 A	18-Dec-12	38
Injection Straight - Kickers - Kicker Magnet			217	06-Sep-11 A	18-Jul-12	38
1.03.04.01.01	ASR1022-400	Injection Straight - Kicker Magnet - Detailed Design	54	06-Sep-11 A	15-Mar-12	38
1.03.04.01.01	ASR1022-410	Injection Straight - Kicker Magnet - Order Ferrities	29	16-Mar-12	25-Apr-12	38
1.03.04.01.01	ASR1022-420	Injection Straight - Kicker Magnet - Machine other (non-ferritie) components	39	26-Apr-12	20-Jun-12	38
1.03.04.01.01	ASR1022-430	Injection Straight - Kicker Magnet - Assembly	19	21-Jun-12	18-Jul-12	38
Injection Straight - Kickers - Stands & Supports			79	21-Jun-12	12-Oct-12	38
1.03.04.01.01	ASR1022-500	Injection Straight - Stands & Supports - Stands For Kickers	59	21-Jun-12	13-Sep-12	38
1.03.04.01.01	ASR1022-510	Injection Straight - Stands & Supports - Remote Controlled Roll Mechanism for Kickers	39	17-Aug-12	12-Oct-12	38
1.03.04.01.01	ASR1022-520	Injection Straight - Stands & Supports - Stands & Supports for Pumps & Other Components	39	21-Jun-12	15-Aug-12	38
Injection Straight - Kickers - Pulsers			60	19-Jul-12	12-Oct-12	38
1.03.04.01.01	ASR1022-610	Injection Straight - Pulsers - Procurement (capacitors, HV power supplies, other electrical components)	60	19-Jul-12	12-Oct-12	38
1.03.04.01.01	ASR1022-620	Injection Straight - Pulsers - Assembly & Test	59	20-Jul-12	12-Oct-12	38
Injection Straight - Kickers - Controls & Interlocks			99	19-Jul-12	10-Dec-12	44
1.03.04.01.01	ASR1022-700	Injection Straight - Controls & Interlocks	99	19-Jul-12	10-Dec-12	44
Injection Straight - Kickers - Lab Testing			90	09-Aug-12	18-Dec-12	38
1.03.04.01.01	ASR1022-800	Injection Straight - Lab Testing	90	09-Aug-12	18-Dec-12	38
Injection Straight Vacuum System			282	03-Oct-11 A	17-Dec-12	44
1.03.04.01.04	ASR1095	Injection Straight Vacuum - Final Design	75	03-Oct-11 A	30-Mar-12	44
1.03.04.01.04	ASR1096	Injection Straight Vacuum - Final Design Complete	0		30-Mar-12	44
1.03.04.01.04	ASR1097	Injection Straight Vacuum - Write Specification	40	05-Mar-12	27-Apr-12	44
1.03.04.01.04	ASR1110	Injection Straight Vacuum - Vendor Fabrication	120	30-Apr-12	18-Oct-12	44
1.03.04.01.04	ASR1120	Injection Straight Vacuum - Vendor Assembly & Test	40	19-Oct-12	17-Dec-12	44
1.03.04.01.04	ASR1160	Injection Straight Vacuum - Ready For Installation	0		17-Dec-12	44
Storage Ring Magnet Subsystems			263	03-Jan-12 A	18-Jan-13	28
Girder Integration			263	03-Jan-12 A	18-Jan-13	28
Magnet Production			251	03-Jan-12 A	02-Jan-13	0
Magnets - Dipole A - 35mm dipole			250	04-Jan-12 A	02-Jan-13	0
1.03.04.02.01	GM-004-0200	Magnets - Dipole A - 35mm dipole - Delivery 2 - (6)	21	04-Jan-12 A	30-Mar-12	0
1.03.04.02.01	GM-004-0300	Magnets - Dipole A - 35mm dipole - Delivery 3 - (10)	21	02-Apr-12	30-Apr-12	0
1.03.04.02.01	GM-004-0400	Magnets - Dipole A - 35mm dipole - Delivery 4 - (14)	21	01-May-12	30-May-12	0
1.03.04.02.01	GM-004-0500	Magnets - Dipole A - 35mm dipole - Delivery 5 - (19)	21	31-May-12	28-Jun-12	0
1.03.04.02.01	GM-004-0600	Magnets - Dipole A - 35mm dipole - Delivery 6 - (25)	21	29-Jun-12	30-Jul-12	0
1.03.04.02.01	GM-004-0700	Magnets - Dipole A - 35mm dipole - Delivery 7 - (31)	21	31-Jul-12	28-Aug-12	0
1.03.04.02.01	GM-004-0800	Magnets - Dipole A - 35mm dipole - Delivery 8 - (37)	21	29-Aug-12	27-Sep-12	0
1.03.04.02.01	GM-004-0900	Magnets - Dipole A - 35mm dipole - Delivery 9 - (44)	21	28-Sep-12	29-Oct-12	0
1.03.04.02.01	GM-004-1000	Magnets - Dipole A - 35mm dipole - Delivery 10 - (52)	21	30-Oct-12	29-Nov-12	0
1.03.04.02.01	GM-004-1100	Magnets - Dipole A - 35mm dipole - Delivery 11 - (60)	21	30-Nov-12	02-Jan-13	0
Magnets - Quad D - 66mm short double coil quadrupole			156	24-Feb-12 A	25-Oct-12	42
1.03.04.02.01	GM-010-0400	Magnets - Quad D - 66mm short double coil quadrupole - Delivery 4 - (26)	21	24-Feb-12 A	29-Mar-12	30
1.03.04.02.01	GM-010-0500	Magnets - Quad D - 66mm short double coil quadrupole - Delivery 5 - (38)	21	30-Mar-12	27-Apr-12	30
1.03.04.02.01	GM-010-0600	Magnets - Quad D - 66mm short double coil quadrupole - Delivery 6 - (50)	21	30-Apr-12	29-May-12	30
1.03.04.02.01	GM-010-0700	Magnets - Quad D - 66mm short double coil quadrupole - Delivery 7 - (62)	21	27-Jun-12	26-Jul-12	30
1.03.04.02.01	GM-010-0800	Magnets - Quad D - 66mm short double coil quadrupole - Delivery 8 - (74)	21	27-Jul-12	24-Aug-12	36
1.03.04.02.01	GM-010-0900	Magnets - Quad D - 66mm short double coil quadrupole - Delivery 9 - (86)	21	27-Aug-12	25-Sep-12	36



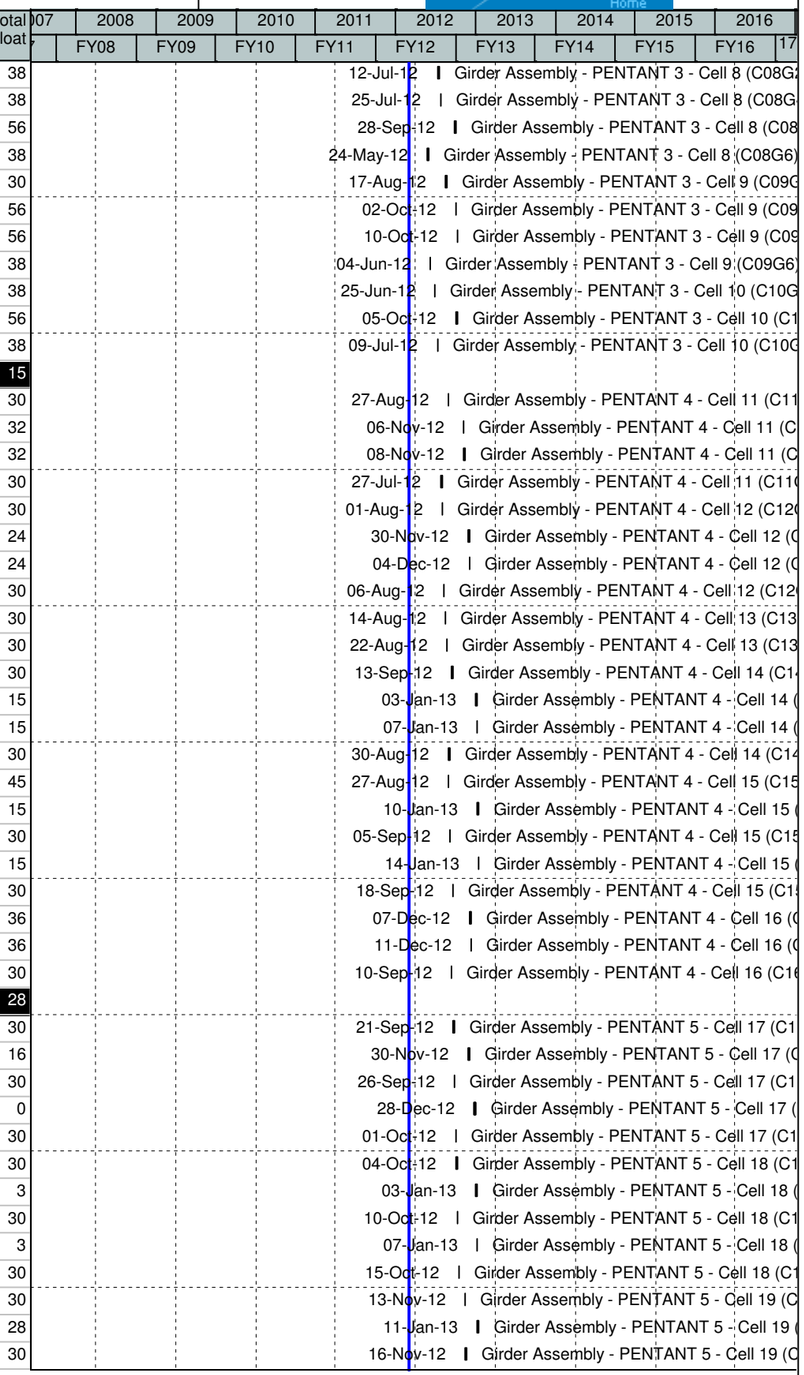
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.02.01	GM-010-1000	Magnets - Quad D - 66mm short double coil quadrupole - Delivery 10 - (90)	21	26-Sep-12	25-Oct-12	42
Magnets - Quad E - 66mm short double coil wide quadrupole			176	03-Jan-12 A	11-Sep-12	52
1.03.04.02.01	GM-011-0300	Magnets - Quad E - 66mm short double coil wide quadrupole - Delivery 3 - (9)	21	03-Jan-12 A	15-Mar-12	37
1.03.04.02.01	GM-011-0400	Magnets - Quad E - 66mm short double coil wide quadrupole - Delivery 4 - (13)	21	16-Mar-12	13-Apr-12	37
1.03.04.02.01	GM-011-0500	Magnets - Quad E - 66mm short double coil wide quadrupole - Delivery 5 - (17)	21	16-Apr-12	14-May-12	37
1.03.04.02.01	GM-011-0600	Magnets - Quad E - 66mm short double coil wide quadrupole - Delivery 6 - (21)	21	13-Jun-12	12-Jul-12	37
1.03.04.02.01	GM-011-0700	Magnets - Quad E - 66mm short double coil wide quadrupole - Delivery 7 - (25)	21	13-Jul-12	10-Aug-12	37
1.03.04.02.01	GM-011-0800	Magnets - Quad E - 66mm short double coil wide quadrupole - Delivery 8 - (29)	21	13-Aug-12	11-Sep-12	52
Girder Assembly			223	01-Mar-12	18-Jan-13	28
Girder Assembly - Pentant 1			72	01-Mar-12	11-Jun-12	38
1.03.04.02.03	GN-001-2301	Girder Assembly - PENTANT 1 - Cell 23 (C23G2)	3	15-May-12	17-May-12	39
1.03.04.02.03	GN-001-2303	Girder Assembly - PENTANT 1 - Cell 23 (C23G4)	3	27-Apr-12	01-May-12	39
1.03.04.02.03	GN-001-2305	Girder Assembly - PENTANT 1 - Cell 23 (C23G6)	3	07-Jun-12	11-Jun-12	38
1.03.04.02.03	GN-001-2401	Girder Assembly - PENTANT 1 - Cell 24 (C24G2)	3	01-Mar-12	05-Mar-12	47
1.03.04.02.03	GN-001-2402	Girder Assembly - PENTANT 1 - Cell 24 (C24G3)	3	01-Mar-12	05-Mar-12	42
1.03.04.02.03	GN-001-2404	Girder Assembly - PENTANT 1 - Cell 24 (C24G5)	3	06-Mar-12	08-Mar-12	42
1.03.04.02.03	GN-001-2502	Girder Assembly - PENTANT 1 - Cell 25 (C25G3)	3	09-Mar-12	13-Mar-12	42
1.03.04.02.03	GN-001-2504	Girder Assembly - PENTANT 1 - Cell 25 (C25G5)	3	14-Mar-12	16-Mar-12	42
1.03.04.02.03	GN-001-2701	Girder Assembly - PENTANT 1 - Cell 27 (C27G2)	3	16-Mar-12	21-Mar-12	42
1.03.04.02.03	GN-001-2703	Girder Assembly - PENTANT 1 - Cell 27 (C27G4)	3	02-May-12	04-May-12	39
1.03.04.02.03	GN-001-2705	Girder Assembly - PENTANT 1 - Cell 27 (C27G6)	3	29-Mar-12	02-Apr-12	39
1.03.04.02.03	GN-001-2801	Girder Assembly - PENTANT 1 - Cell 28 (C28G2)	3	26-Mar-12	28-Mar-12	39
1.03.04.02.03	GN-001-2803	Girder Assembly - PENTANT 1 - Cell 28 (C28G4)	3	06-Apr-12	10-Apr-12	39
Girder Assembly - Pentant 2			158	06-Mar-12	17-Oct-12	56
1.03.04.02.03	GN-002-0101	Girder Assembly - PENTANT 2 - Cell 1 (C01G2)	3	30-May-12	01-Jun-12	38
1.03.04.02.03	GN-002-0103	Girder Assembly - PENTANT 2 - Cell 1 (C01G4)	3	20-Jun-12	22-Jun-12	38
1.03.04.02.03	GN-002-0105	Girder Assembly - PENTANT 2 - Cell 1 (C01G6)	3	03-Jul-12	06-Jul-12	38
1.03.04.02.03	GN-002-0201	Girder Assembly - PENTANT 2 - Cell 2 (C02G2)	3	12-Jun-12	14-Jun-12	38
1.03.04.02.03	GN-002-0205	Girder Assembly - PENTANT 2 - Cell 2 (C02G6)	3	11-Apr-12	13-Apr-12	39
1.03.04.02.03	GN-002-0301	Girder Assembly - PENTANT 2 - Cell 3 (C03G2)	3	03-Apr-12	05-Apr-12	39
1.03.04.02.03	GN-002-0305	Girder Assembly - PENTANT 2 - Cell 3 (C03G6)	3	24-Apr-12	26-Apr-12	39
1.03.04.02.03	GN-002-0401	Girder Assembly - PENTANT 2 - Cell 4 (C04G2)	3	16-Apr-12	18-Apr-12	39
1.03.04.02.03	GN-002-0405	Girder Assembly - PENTANT 2 - Cell 4 (C04G6)	3	06-Mar-12	08-Mar-12	47
1.03.04.02.03	GN-002-2901	Girder Assembly - PENTANT 2 - Cell 29 (C29G2)	3	19-Apr-12	23-Apr-12	39
1.03.04.02.03	GN-002-3001	Girder Assembly - PENTANT 2 - Cell 30 (C30G2)	3	17-Jul-12	19-Jul-12	38
1.03.04.02.03	GN-002-3003	Girder Assembly - PENTANT 2 - Cell 30 (C30G4)	3	07-May-12	09-May-12	39
1.03.04.02.03	GN-002-3004	Girder Assembly - PENTANT 2 - Cell 30 (C30G5)	3	15-Oct-12	17-Oct-12	56
1.03.04.02.03	GN-002-3005	Girder Assembly - PENTANT 2 - Cell 30 (C30G6)	3	18-May-12	22-May-12	39
Girder Assembly - Pentant 3			163	16-Mar-12	05-Nov-12	40
1.03.04.02.03	GN-003-0501	Girder Assembly - PENTANT 3 - Cell 5 (C05G2)	3	20-Jul-12	24-Jul-12	38
1.03.04.02.03	GN-003-0505	Girder Assembly - PENTANT 3 - Cell 5 (C05G6)	3	16-Mar-12	20-Mar-12	39
1.03.04.02.03	GN-003-0601	Girder Assembly - PENTANT 3 - Cell 6 (C06G2)	3	21-Mar-12	23-Mar-12	39
1.03.04.02.03	GN-003-0605	Girder Assembly - PENTANT 3 - Cell 6 (C06G6)	3	10-May-12	14-May-12	39
1.03.04.02.03	GN-003-0701	Girder Assembly - PENTANT 3 - Cell 7 (C07G2)	3	15-Jun-12	19-Jun-12	38
1.03.04.02.03	GN-003-0702	Girder Assembly - PENTANT 3 - Cell 7 (C07G3)	3	30-Oct-12	01-Nov-12	32
1.03.04.02.03	GN-003-0703	Girder Assembly - PENTANT 3 - Cell 7 (C07G4)	3	28-Jun-12	02-Jul-12	38
1.03.04.02.03	GN-003-0704	Girder Assembly - PENTANT 3 - Cell 7 (C07G5)	3	01-Nov-12	05-Nov-12	32
1.03.04.02.03	GN-003-0705	Girder Assembly - PENTANT 3 - Cell 7 (C07G6)	3	09-Aug-12	13-Aug-12	30



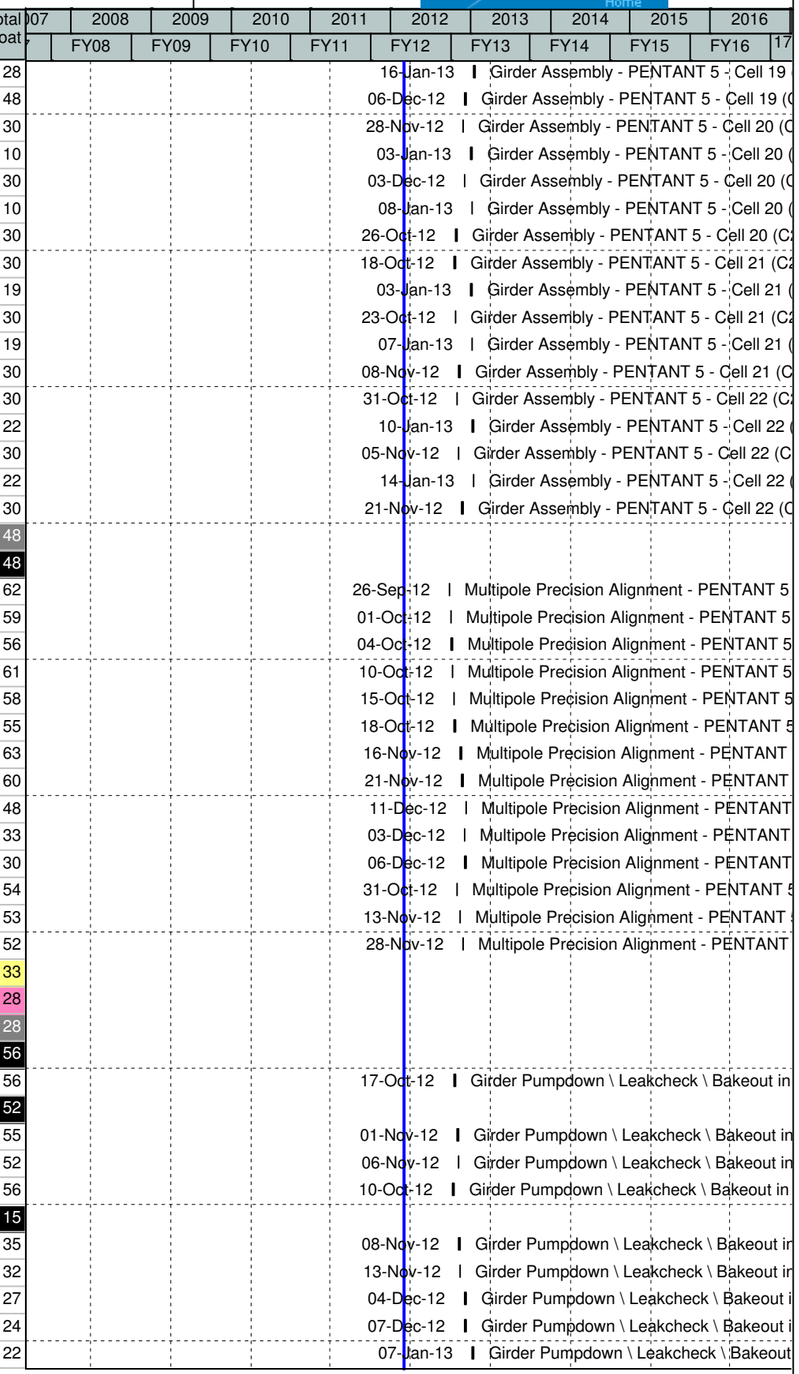
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.02.03	GN-003-0801	Girder Assembly - PENTANT 3 - Cell 8 (C08G2)	3	12-Jul-12	16-Jul-12	38
1.03.04.02.03	GN-003-0803	Girder Assembly - PENTANT 3 - Cell 8 (C08G4)	3	25-Jul-12	27-Jul-12	38
1.03.04.02.03	GN-003-0804	Girder Assembly - PENTANT 3 - Cell 8 (C08G5)	3	28-Sep-12	02-Oct-12	56
1.03.04.02.03	GN-003-0805	Girder Assembly - PENTANT 3 - Cell 8 (C08G6)	3	24-May-12	29-May-12	38
1.03.04.02.03	GN-003-0901	Girder Assembly - PENTANT 3 - Cell 9 (C09G2)	3	17-Aug-12	21-Aug-12	30
1.03.04.02.03	GN-003-0902	Girder Assembly - PENTANT 3 - Cell 9 (C09G3)	3	02-Oct-12	04-Oct-12	56
1.03.04.02.03	GN-003-0904	Girder Assembly - PENTANT 3 - Cell 9 (C09G5)	3	10-Oct-12	12-Oct-12	56
1.03.04.02.03	GN-003-0905	Girder Assembly - PENTANT 3 - Cell 9 (C09G6)	3	04-Jun-12	06-Jun-12	38
1.03.04.02.03	GN-003-1001	Girder Assembly - PENTANT 3 - Cell 10 (C10G2)	3	25-Jun-12	27-Jun-12	38
1.03.04.02.03	GN-003-1004	Girder Assembly - PENTANT 3 - Cell 10 (C10G5)	3	05-Oct-12	10-Oct-12	56
1.03.04.02.03	GN-003-1005	Girder Assembly - PENTANT 3 - Cell 10 (C10G6)	3	09-Jul-12	11-Jul-12	38
Girder Assembly - Pentant 4			117	27-Jul-12	16-Jan-13	15
1.03.04.02.03	GN-004-1101	Girder Assembly - PENTANT 4 - Cell 11 (C11G2)	3	27-Aug-12	29-Aug-12	30
1.03.04.02.03	GN-004-1102	Girder Assembly - PENTANT 4 - Cell 11 (C11G3)	3	06-Nov-12	08-Nov-12	32
1.03.04.02.03	GN-004-1104	Girder Assembly - PENTANT 4 - Cell 11 (C11G5)	3	08-Nov-12	12-Nov-12	32
1.03.04.02.03	GN-004-1105	Girder Assembly - PENTANT 4 - Cell 11 (C11G6)	3	27-Jul-12	31-Jul-12	30
1.03.04.02.03	GN-004-1201	Girder Assembly - PENTANT 4 - Cell 12 (C12G2)	3	01-Aug-12	03-Aug-12	30
1.03.04.02.03	GN-004-1202	Girder Assembly - PENTANT 4 - Cell 12 (C12G3)	3	30-Nov-12	04-Dec-12	24
1.03.04.02.03	GN-004-1204	Girder Assembly - PENTANT 4 - Cell 12 (C12G5)	3	04-Dec-12	06-Dec-12	24
1.03.04.02.03	GN-004-1205	Girder Assembly - PENTANT 4 - Cell 12 (C12G6)	3	06-Aug-12	08-Aug-12	30
1.03.04.02.03	GN-004-1301	Girder Assembly - PENTANT 4 - Cell 13 (C13G2)	3	14-Aug-12	16-Aug-12	30
1.03.04.02.03	GN-004-1305	Girder Assembly - PENTANT 4 - Cell 13 (C13G6)	3	22-Aug-12	24-Aug-12	30
1.03.04.02.03	GN-004-1401	Girder Assembly - PENTANT 4 - Cell 14 (C14G2)	3	13-Sep-12	17-Sep-12	30
1.03.04.02.03	GN-004-1402	Girder Assembly - PENTANT 4 - Cell 14 (C14G3)	3	03-Jan-13	07-Jan-13	15
1.03.04.02.03	GN-004-1404	Girder Assembly - PENTANT 4 - Cell 14 (C14G5)	3	07-Jan-13	09-Jan-13	15
1.03.04.02.03	GN-004-1405	Girder Assembly - PENTANT 4 - Cell 14 (C14G6)	3	30-Aug-12	04-Sep-12	30
1.03.04.02.03	GN-004-1501	Girder Assembly - PENTANT 4 - Cell 15 (C15G2)	3	27-Aug-12	29-Aug-12	45
1.03.04.02.03	GN-004-1502	Girder Assembly - PENTANT 4 - Cell 15 (C15G3)	3	10-Jan-13	14-Jan-13	15
1.03.04.02.03	GN-004-1503	Girder Assembly - PENTANT 4 - Cell 15 (C15G4)	3	05-Sep-12	07-Sep-12	30
1.03.04.02.03	GN-004-1504	Girder Assembly - PENTANT 4 - Cell 15 (C15G5)	3	14-Jan-13	16-Jan-13	15
1.03.04.02.03	GN-004-1505	Girder Assembly - PENTANT 4 - Cell 15 (C15G6)	3	18-Sep-12	20-Sep-12	30
1.03.04.02.03	GN-004-1602	Girder Assembly - PENTANT 4 - Cell 16 (C16G3)	3	07-Dec-12	11-Dec-12	36
1.03.04.02.03	GN-004-1604	Girder Assembly - PENTANT 4 - Cell 16 (C16G5)	3	11-Dec-12	13-Dec-12	36
1.03.04.02.03	GN-004-1605	Girder Assembly - PENTANT 4 - Cell 16 (C16G6)	3	10-Sep-12	12-Sep-12	30
Girder Assembly - Pentant 5			80	21-Sep-12	18-Jan-13	28
1.03.04.02.03	GN-005-1701	Girder Assembly - PENTANT 5 - Cell 17 (C17G2)	3	21-Sep-12	25-Sep-12	30
1.03.04.02.03	GN-005-1702	Girder Assembly - PENTANT 5 - Cell 17 (C17G3)	3	30-Nov-12	04-Dec-12	16
1.03.04.02.03	GN-005-1703	Girder Assembly - PENTANT 5 - Cell 17 (C17G4)	3	26-Sep-12	28-Sep-12	30
1.03.04.02.03	GN-005-1704	Girder Assembly - PENTANT 5 - Cell 17 (C17G5)	3	28-Dec-12	02-Jan-13	0
1.03.04.02.03	GN-005-1705	Girder Assembly - PENTANT 5 - Cell 17 (C17G6)	3	01-Oct-12	03-Oct-12	30
1.03.04.02.03	GN-005-1801	Girder Assembly - PENTANT 5 - Cell 18 (C18G2)	3	04-Oct-12	09-Oct-12	30
1.03.04.02.03	GN-005-1802	Girder Assembly - PENTANT 5 - Cell 18 (C18G3)	3	03-Jan-13	07-Jan-13	3
1.03.04.02.03	GN-005-1803	Girder Assembly - PENTANT 5 - Cell 18 (C18G4)	3	10-Oct-12	12-Oct-12	30
1.03.04.02.03	GN-005-1804	Girder Assembly - PENTANT 5 - Cell 18 (C18G5)	3	07-Jan-13	09-Jan-13	3
1.03.04.02.03	GN-005-1805	Girder Assembly - PENTANT 5 - Cell 18 (C18G6)	3	15-Oct-12	17-Oct-12	30
1.03.04.02.03	GN-005-1901	Girder Assembly - PENTANT 5 - Cell 19 (C19G2)	3	13-Nov-12	15-Nov-12	30
1.03.04.02.03	GN-005-1902	Girder Assembly - PENTANT 5 - Cell 19 (C19G3)	3	11-Jan-13	15-Jan-13	28
1.03.04.02.03	GN-005-1903	Girder Assembly - PENTANT 5 - Cell 19 (C19G4)	3	16-Nov-12	20-Nov-12	30



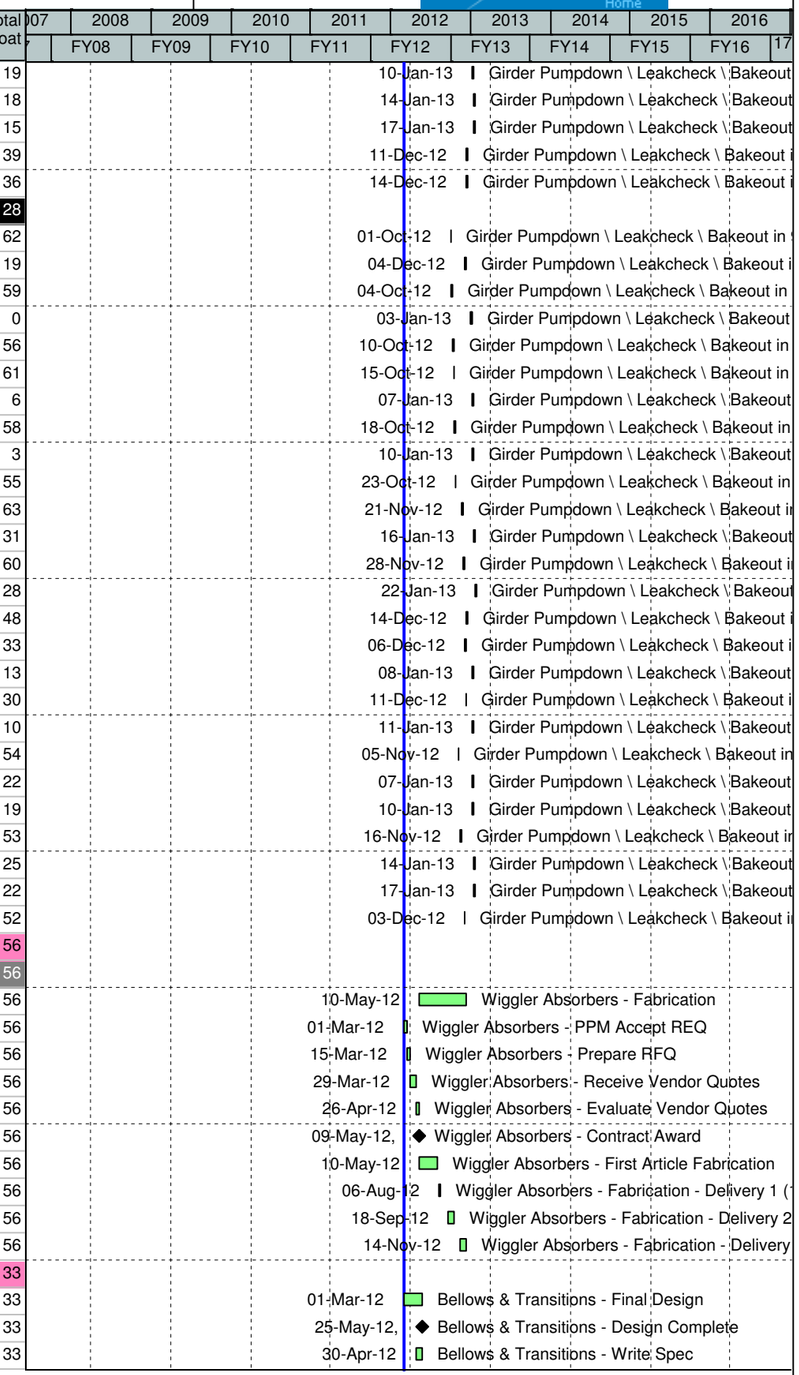
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.02.03	GN-005-1904	Girder Assembly - PENTANT 5 - Cell 19 (C19G5)	3	16-Jan-13	18-Jan-13	28
1.03.04.02.03	GN-005-1905	Girder Assembly - PENTANT 5 - Cell 19 (C19G6)	3	06-Dec-12	10-Dec-12	48
1.03.04.02.03	GN-005-2001	Girder Assembly - PENTANT 5 - Cell 20 (C20G2)	3	28-Nov-12	30-Nov-12	30
1.03.04.02.03	GN-005-2002	Girder Assembly - PENTANT 5 - Cell 20 (C20G3)	3	03-Jan-13	07-Jan-13	10
1.03.04.02.03	GN-005-2003	Girder Assembly - PENTANT 5 - Cell 20 (C20G4)	3	03-Dec-12	05-Dec-12	30
1.03.04.02.03	GN-005-2004	Girder Assembly - PENTANT 5 - Cell 20 (C20G5)	3	08-Jan-13	10-Jan-13	10
1.03.04.02.03	GN-005-2005	Girder Assembly - PENTANT 5 - Cell 20 (C20G6)	3	26-Oct-12	30-Oct-12	30
1.03.04.02.03	GN-005-2101	Girder Assembly - PENTANT 5 - Cell 21 (C21G2)	3	18-Oct-12	22-Oct-12	30
1.03.04.02.03	GN-005-2102	Girder Assembly - PENTANT 5 - Cell 21 (C21G3)	3	03-Jan-13	07-Jan-13	19
1.03.04.02.03	GN-005-2103	Girder Assembly - PENTANT 5 - Cell 21 (C21G4)	3	23-Oct-12	25-Oct-12	30
1.03.04.02.03	GN-005-2104	Girder Assembly - PENTANT 5 - Cell 21 (C21G5)	3	07-Jan-13	09-Jan-13	19
1.03.04.02.03	GN-005-2105	Girder Assembly - PENTANT 5 - Cell 21 (C21G6)	3	08-Nov-12	12-Nov-12	30
1.03.04.02.03	GN-005-2201	Girder Assembly - PENTANT 5 - Cell 22 (C22G2)	3	31-Oct-12	02-Nov-12	30
1.03.04.02.03	GN-005-2202	Girder Assembly - PENTANT 5 - Cell 22 (C22G3)	3	10-Jan-13	14-Jan-13	22
1.03.04.02.03	GN-005-2203	Girder Assembly - PENTANT 5 - Cell 22 (C22G4)	3	05-Nov-12	07-Nov-12	30
1.03.04.02.03	GN-005-2204	Girder Assembly - PENTANT 5 - Cell 22 (C22G5)	3	14-Jan-13	16-Jan-13	22
1.03.04.02.03	GN-005-2205	Girder Assembly - PENTANT 5 - Cell 22 (C22G6)	3	21-Nov-12	27-Nov-12	30
Girder Precision Alignment / Dipole Bakeout			54	26-Sep-12	13-Dec-12	48
Girder Precision Alignment - Pentant 5			54	26-Sep-12	13-Dec-12	48
1.03.04.02.03	GA-005-1711	Multipole Precision Alignment - PENTANT 5 - Cell 17 (C17G2)	3	26-Sep-12	28-Sep-12	62
1.03.04.02.03	GA-005-1713	Multipole Precision Alignment - PENTANT 5 - Cell 17 (C17G4)	3	01-Oct-12	03-Oct-12	59
1.03.04.02.03	GA-005-1715	Multipole Precision Alignment - PENTANT 5 - Cell 17 (C17G6)	3	04-Oct-12	09-Oct-12	56
1.03.04.02.03	GA-005-1811	Multipole Precision Alignment - PENTANT 5 - Cell 18 (C18G2)	3	10-Oct-12	12-Oct-12	61
1.03.04.02.03	GA-005-1813	Multipole Precision Alignment - PENTANT 5 - Cell 18 (C18G4)	3	15-Oct-12	17-Oct-12	58
1.03.04.02.03	GA-005-1815	Multipole Precision Alignment - PENTANT 5 - Cell 18 (C18G6)	3	18-Oct-12	22-Oct-12	55
1.03.04.02.03	GA-005-1911	Multipole Precision Alignment - PENTANT 5 - Cell 19 (C19G2)	3	16-Nov-12	20-Nov-12	63
1.03.04.02.03	GA-005-1913	Multipole Precision Alignment - PENTANT 5 - Cell 19 (C19G4)	3	21-Nov-12	27-Nov-12	60
1.03.04.02.03	GA-005-1915	Multipole Precision Alignment - PENTANT 5 - Cell 19 (C19G6)	3	11-Dec-12	13-Dec-12	48
1.03.04.02.03	GA-005-2011	Multipole Precision Alignment - PENTANT 5 - Cell 20 (C20G2)	3	03-Dec-12	05-Dec-12	33
1.03.04.02.03	GA-005-2013	Multipole Precision Alignment - PENTANT 5 - Cell 20 (C20G4)	3	06-Dec-12	10-Dec-12	30
1.03.04.02.03	GA-005-2015	Multipole Precision Alignment - PENTANT 5 - Cell 20 (C20G6)	3	31-Oct-12	02-Nov-12	54
1.03.04.02.03	GA-005-2115	Multipole Precision Alignment - PENTANT 5 - Cell 21 (C21G6)	3	13-Nov-12	15-Nov-12	53
1.03.04.02.03	GA-005-2215	Multipole Precision Alignment - PENTANT 5 - Cell 22 (C22G6)	3	28-Nov-12	30-Nov-12	52
Storage Ring Vacuum System			262	01-Mar-12	18-Mar-13	33
Girder Integration			78	01-Oct-12	25-Jan-13	28
Girder Pumpdown / Leakcheck / Bakeout / Diagnostics			78	01-Oct-12	25-Jan-13	28
Girder Pumpdown / Leakcheck / Bakeout / Diagnostics - Pentant 2			4	17-Oct-12	23-Oct-12	56
1.03.04.03.01	GB-002-3004	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 2 - Cell 30 (C30G5)	4	17-Oct-12	23-Oct-12	56
Girder Pumpdown / Leakcheck / Bakeout / Diagnostics - Pentant 3			23	10-Oct-12	09-Nov-12	52
1.03.04.03.01	GB-003-0702	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 3 - Cell 7 (C07G3)	4	01-Nov-12	07-Nov-12	55
1.03.04.03.01	GB-003-0704	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 3 - Cell 7 (C07G5)	4	06-Nov-12	09-Nov-12	52
1.03.04.03.01	GB-003-1004	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 3 - Cell 10 (C10G5)	4	10-Oct-12	16-Oct-12	56
Girder Pumpdown / Leakcheck / Bakeout / Diagnostics - Pentant 4			49	08-Nov-12	23-Jan-13	15
1.03.04.03.01	GB-004-1102	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 4 - Cell 11 (C11G3)	4	08-Nov-12	14-Nov-12	35
1.03.04.03.01	GB-004-1104	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 4 - Cell 11 (C11G5)	4	13-Nov-12	16-Nov-12	32
1.03.04.03.01	GB-004-1202	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 4 - Cell 12 (C12G3)	4	04-Dec-12	10-Dec-12	27
1.03.04.03.01	GB-004-1204	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 4 - Cell 12 (C12G5)	4	07-Dec-12	12-Dec-12	24
1.03.04.03.01	GB-004-1402	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 4 - Cell 14 (C14G3)	4	07-Jan-13	11-Jan-13	22



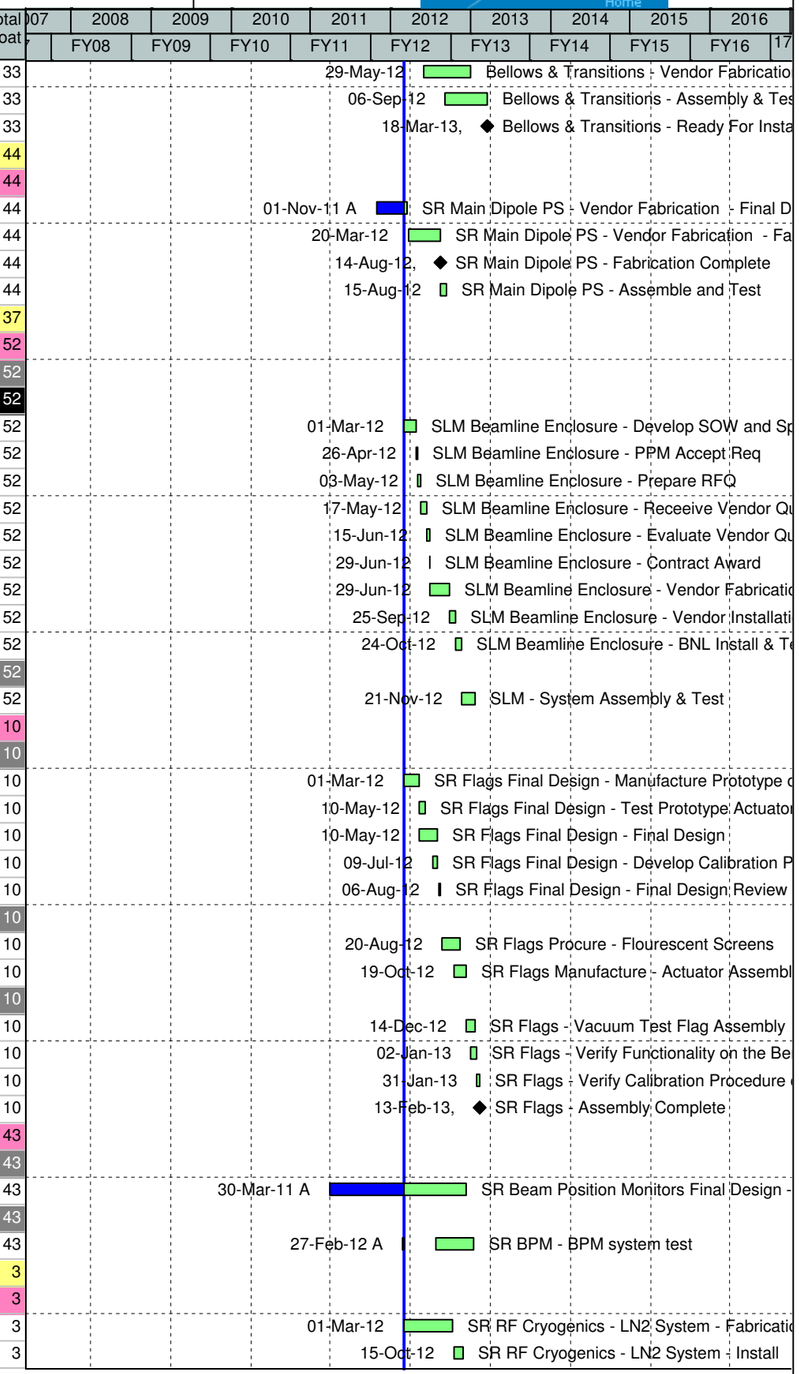
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.03.01	GB-004-1404	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 4 - Cell 14 (C14G5)	4	10-Jan-13	15-Jan-13	19
1.03.04.03.01	GB-004-1502	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 4 - Cell 15 (C15G3)	4	14-Jan-13	18-Jan-13	18
1.03.04.03.01	GB-004-1504	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 4 - Cell 15 (C15G5)	4	17-Jan-13	23-Jan-13	15
1.03.04.03.01	GB-004-1602	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 4 - Cell 16 (C16G3)	4	11-Dec-12	17-Dec-12	39
1.03.04.03.01	GB-004-1604	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 4 - Cell 16 (C16G5)	4	14-Dec-12	19-Dec-12	36
Girder Pumpdown / Leakcheck / Bakeout / Diagnostics - Pentant 5			78	01-Oct-12	25-Jan-13	28
1.03.04.03.01	GB-005-1701	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 17 (C17G2)	4	01-Oct-12	04-Oct-12	62
1.03.04.03.01	GB-005-1702	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 17 (C17G3)	4	04-Dec-12	10-Dec-12	19
1.03.04.03.01	GB-005-1703	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 17 (C17G4)	4	04-Oct-12	10-Oct-12	59
1.03.04.03.01	GB-005-1704	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 17 (C17G5)	4	03-Jan-13	08-Jan-13	0
1.03.04.03.01	GB-005-1705	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 17 (C17G6)	4	10-Oct-12	15-Oct-12	56
1.03.04.03.01	GB-005-1801	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 18 (C18G2)	4	15-Oct-12	18-Oct-12	61
1.03.04.03.01	GB-005-1802	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 18 (C18G3)	4	07-Jan-13	11-Jan-13	6
1.03.04.03.01	GB-005-1803	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 18 (C18G4)	4	18-Oct-12	23-Oct-12	58
1.03.04.03.01	GB-005-1804	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 18 (C18G5)	4	10-Jan-13	15-Jan-13	3
1.03.04.03.01	GB-005-1805	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 18 (C18G6)	4	23-Oct-12	26-Oct-12	55
1.03.04.03.01	GB-005-1901	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 19 (C19G2)	4	21-Nov-12	28-Nov-12	63
1.03.04.03.01	GB-005-1902	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 19 (C19G3)	4	16-Jan-13	22-Jan-13	31
1.03.04.03.01	GB-005-1903	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 19 (C19G4)	4	28-Nov-12	03-Dec-12	60
1.03.04.03.01	GB-005-1904	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 19 (C19G5)	4	22-Jan-13	25-Jan-13	28
1.03.04.03.01	GB-005-1905	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 19 (C19G6)	4	14-Dec-12	19-Dec-12	48
1.03.04.03.01	GB-005-2001	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 20 (C20G2)	4	06-Dec-12	11-Dec-12	33
1.03.04.03.01	GB-005-2002	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 20 (C20G3)	4	08-Jan-13	11-Jan-13	13
1.03.04.03.01	GB-005-2003	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 20 (C20G4)	4	11-Dec-12	14-Dec-12	30
1.03.04.03.01	GB-005-2004	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 20 (C20G5)	4	11-Jan-13	16-Jan-13	10
1.03.04.03.01	GB-005-2005	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 20 (C20G6)	4	05-Nov-12	08-Nov-12	54
1.03.04.03.01	GB-005-2102	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 21 (C21G3)	4	07-Jan-13	11-Jan-13	22
1.03.04.03.01	GB-005-2104	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 21 (C21G5)	4	10-Jan-13	15-Jan-13	19
1.03.04.03.01	GB-005-2105	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 21 (C21G6)	4	16-Nov-12	21-Nov-12	53
1.03.04.03.01	GB-005-2202	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 22 (C22G3)	4	14-Jan-13	18-Jan-13	25
1.03.04.03.01	GB-005-2204	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 22 (C22G5)	4	17-Jan-13	23-Jan-13	22
1.03.04.03.01	GB-005-2205	Girder Pumpdown \ Leakcheck \ Bakeout in 905 - PENTANT 5 - Cell 22 (C22G6)	4	03-Dec-12	06-Dec-12	52
Absorbers			200	01-Mar-12	13-Dec-12	56
Wiggler Absorbers			200	01-Mar-12	13-Dec-12	56
1.03.04.03.01	ASR1355-100P	Wiggler Absorbers - Fabrication	150	10-May-12	13-Dec-12	56
1.03.04.03.01	ASR1355-101	Wiggler Absorbers - PPM Accept REQ	10	01-Mar-12	14-Mar-12	56
1.03.04.03.01	ASR1355-102	Wiggler Absorbers - Prepare RFQ	10	15-Mar-12	28-Mar-12	56
1.03.04.03.01	ASR1355-103	Wiggler Absorbers - Receive Vendor Quotes	20	29-Mar-12	25-Apr-12	56
1.03.04.03.01	ASR1355-104	Wiggler Absorbers - Evaluate Vendor Quotes	10	26-Apr-12	09-May-12	56
1.03.04.03.01	ASR1355-106	Wiggler Absorbers - Contract Award	0		09-May-12	56
1.03.04.03.01	ASR1355-110	Wiggler Absorbers - First Article Fabrication	60	10-May-12	03-Aug-12	56
1.03.04.03.01	ASR1355-120	Wiggler Absorbers - Fabrication - Delivery 1 (1) P1 [28]	10	06-Aug-12	17-Aug-12	56
1.03.04.03.01	ASR1355-130	Wiggler Absorbers - Fabrication - Delivery 2 (2) P3 [8]	20	18-Sep-12	16-Oct-12	56
1.03.04.03.01	ASR1355-140	Wiggler Absorbers - Fabrication - Delivery 3 (3) P5 [18]	20	14-Nov-12	13-Dec-12	56
RF Vacuum System			262	01-Mar-12	18-Mar-13	33
1.03.04.03.01	ASR3080	Bellows & Transitions - Final Design	62	01-Mar-12	25-May-12	33
1.03.04.03.01	ASR3082	Bellows & Transitions - Design Complete	0		25-May-12	33
1.03.04.03.01	ASR3085-010	Bellows & Transitions - Write Spec	20	30-Apr-12	25-May-12	33



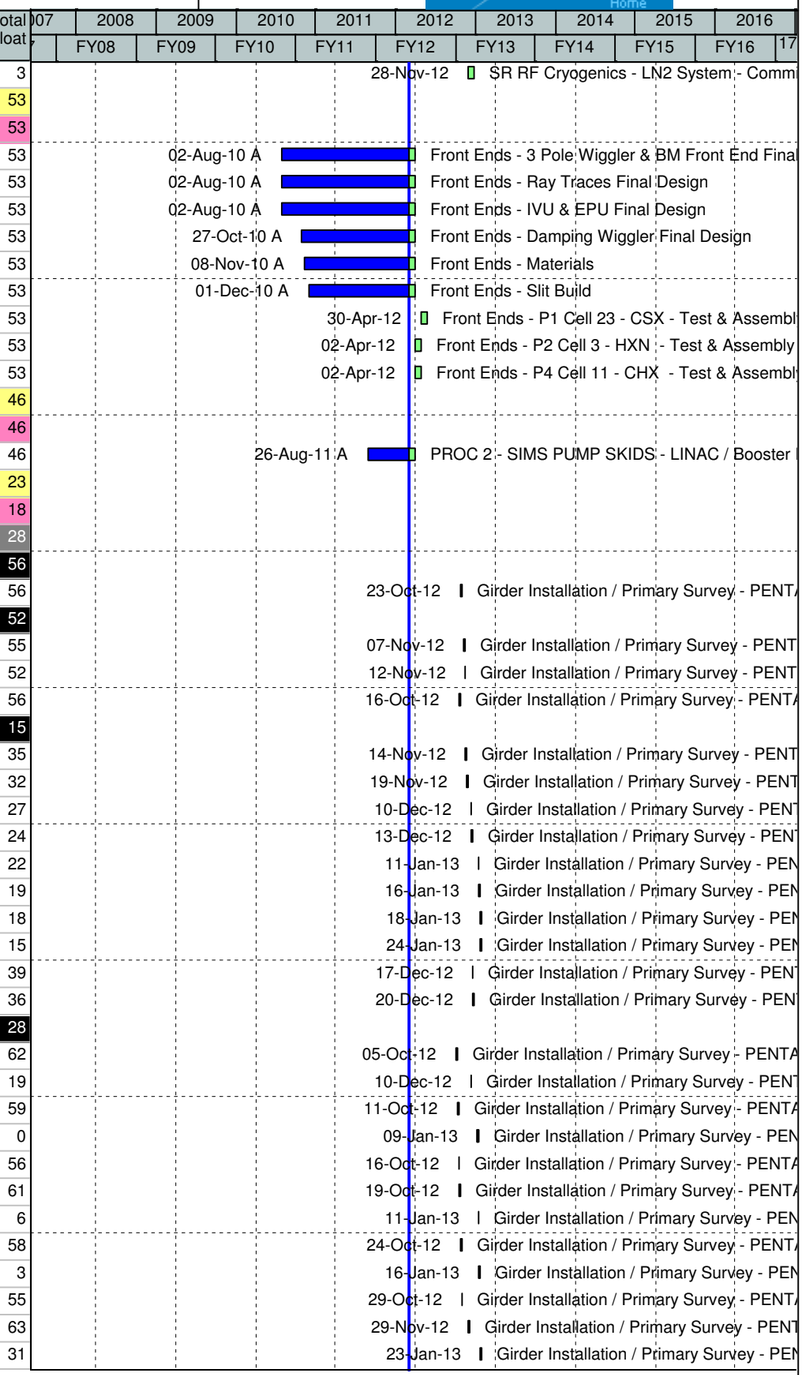
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.03.01	ASR3090	Bellows & Transitions - Vendor Fabrication - Needed During RF Straight Section Installation	150	29-May-12	03-Jan-13	33
1.03.04.03.01	ASR3100	Bellows & Transitions - Assembly & Test	130	06-Sep-12	18-Mar-13	33
1.03.04.03.01	ASR3110	Bellows & Transitions - Ready For Installation with RF Cavity & Components	0		18-Mar-13	33
Storage Ring Power Supplies			216	01-Nov-11 A	11-Sep-12	44
No Work Organization			216	01-Nov-11 A	11-Sep-12	44
1.03.04.04.01	ASR1680-200	SR Main Dipole PS - Vendor Fabrication - Final Design	38	01-Nov-11 A	19-Mar-12	44
1.03.04.04.01	ASR1680-300	SR Main Dipole PS - Vendor Fabrication - Fabrication & Delivery	104	20-Mar-12	14-Aug-12	44
1.03.04.04.01	ASR1692	SR Main Dipole PS - Fabrication Complete	0		14-Aug-12	44
1.03.04.04.01	ASR1730	SR Main Dipole PS - Assemble and Test	19	15-Aug-12	11-Sep-12	44
Storage Ring Beam Instrumentation			420	30-Mar-11 A	13-Feb-13	37
Visible Light Monitor Beamlines			225	01-Mar-12	23-Jan-13	52
Synnchrotron Light Monitor			185	01-Mar-12	20-Nov-12	52
Synnchrotron Light Monitor - Procurement			185	01-Mar-12	20-Nov-12	52
1.03.04.05.04	ASR2540-100	SLM Beamline Enclosure - Develop SOW and Specification	40	01-Mar-12	25-Apr-12	52
1.03.04.05.04	ASR2540-108	SLM Beamline Enclosure - PPM Accept Req	5	26-Apr-12	02-May-12	52
1.03.04.05.04	ASR2540-110	SLM Beamline Enclosure - Prepare RFQ	10	03-May-12	16-May-12	52
1.03.04.05.04	ASR2540-115	SLM Beamline Enclosure - Receeive Vendor Quotes	20	17-May-12	14-Jun-12	52
1.03.04.05.04	ASR2540-120	SLM Beamline Enclosure - Evaluate Vendor Quotes	10	15-Jun-12	28-Jun-12	52
1.03.04.05.04	ASR2540-125	SLM Beamline Enclosure - Contract Award	0	29-Jun-12	29-Jun-12	52
1.03.04.05.04	ASR2540-135	SLM Beamline Enclosure - Vendor Fabrication	60	29-Jun-12	24-Sep-12	52
1.03.04.05.04	ASR2540-145	SLM Beamline Enclosure - Vendor Installation	20	25-Sep-12	23-Oct-12	52
1.03.04.05.04	ASR2540-150	SLM Beamline Enclosure - BNL Install & Test	20	24-Oct-12	20-Nov-12	52
Synchrotron Light Monitor - Assembly & Bench Test			40	21-Nov-12	23-Jan-13	52
1.03.04.05.04	ASR2720-010	SLM - System Assembly & Test	40	21-Nov-12	23-Jan-13	52
Storage Ring Flags			240	01-Mar-12	13-Feb-13	10
Storage Ring Flag Design			120	01-Mar-12	17-Aug-12	10
1.03.04.05.09	ASR2570-010	SR Flags Final Design - Manufacture Prototype of Actuator Assembly	50	01-Mar-12	09-May-12	10
1.03.04.05.09	ASR2570-020	SR Flags Final Design - Test Prototype Actuator Assembly	19	10-May-12	06-Jun-12	10
1.03.04.05.09	ASR2570-030	SR Flags Final Design - Final Design	60	10-May-12	03-Aug-12	10
1.03.04.05.09	ASR2570-040	SR Flags Final Design - Develop Calibration Procedure	20	09-Jul-12	03-Aug-12	10
1.03.04.05.09	ASR2570-050	SR Flags Final Design - Final Design Review	10	06-Aug-12	17-Aug-12	10
Storage Ring Flag Procurement			80	20-Aug-12	13-Dec-12	10
1.03.04.05.09	ASR2580-020	SR Flags Procure - Flourescent Screens	60	20-Aug-12	13-Nov-12	10
1.03.04.05.09	ASR2580-040	SR Flags Manufacture - Actuator Assembly	38	19-Oct-12	13-Dec-12	10
Storage Ring Flag Assembly			40	14-Dec-12	13-Feb-13	10
1.03.04.05.09	ASR2590-010	SR Flags - Vacuum Test Flag Assembly	25	14-Dec-12	23-Jan-13	10
1.03.04.05.09	ASR2590-020	SR Flags - Verify Functionality on the Bench	20	02-Jan-13	30-Jan-13	10
1.03.04.05.09	ASR2590-030	SR Flags - Verify Calibration Procedure on the Bench	10	31-Jan-13	13-Feb-13	10
1.03.04.05.09	ASR2590-040	SR Flags - Assembly Complete	0		13-Feb-13	10
SR Beam Position Monitors - PED			380	30-Mar-11 A	15-Jan-13	43
SR Beam Position Monitors - Final Design - Iteration 2			172	30-Mar-11 A	13-Dec-12	43
1.03.04.05.01	ASR2220-170	SR Beam Position Monitors Final Design - System Test (single pass/ stored beam/ beam parameter depe...	172	30-Mar-11 A	13-Dec-12	43
SR Beam Position Monitors - Procurement - BPM Electronics, Stand, Cables			120	27-Feb-12 A	15-Jan-13	43
1.03.04.05.01	ASR2231-060	SR BPM - BPM system test	120	27-Feb-12 A	15-Jan-13	43
Storage Ring RF Systems			207	01-Mar-12	26-Dec-12	3
SR RF LN2 System			207	01-Mar-12	26-Dec-12	3
1.03.04.06	ASR3460-600	SR RF Cryogenics - LN2 System - Fabrication	158	01-Mar-12	12-Oct-12	3
1.03.04.06	ASR3460-610	SR RF Cryogenics - LN2 System - Install	30	15-Oct-12	27-Nov-12	3



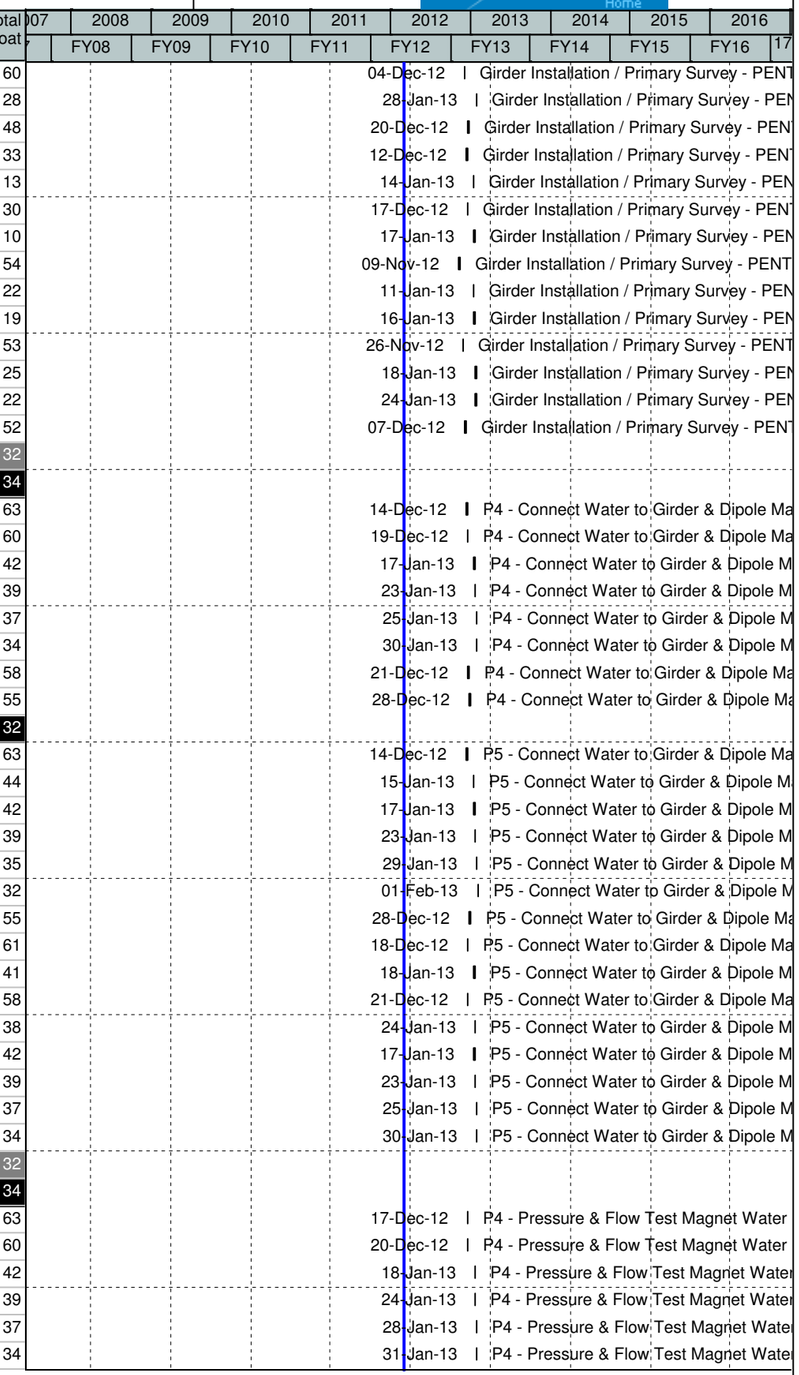
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.06	ASR3460-620	SR RF Cryogenics - LN2 System - Commissioning	19	28-Nov-12	26-Dec-12	3
Beamline Front Ends			455	02-Aug-10 A	25-May-12	53
No Work Organization			455	02-Aug-10 A	25-May-12	53
1.03.04.07	ASR3831	Front Ends - 3 Pole Wiggler & BM Front End Final Design	80	02-Aug-10 A	30-Mar-12	53
1.03.04.07	ASR3832	Front Ends - Ray Traces Final Design	60	02-Aug-10 A	30-Mar-12	53
1.03.04.07	ASR3833	Front Ends - IVU & EPU Final Design	60	02-Aug-10 A	30-Mar-12	53
1.03.04.07	ASR3834	Front Ends - Damping Wiggler Final Design	40	27-Oct-10 A	30-Mar-12	53
1.03.04.07	ASR3836	Front Ends - Materials	80	08-Nov-10 A	30-Mar-12	53
1.03.04.07	ASR3837	Front Ends - Slit Build	176	01-Dec-10 A	30-Mar-12	53
1.03.04.07	ASR3839-010	Front Ends - P1 Cell 23 - CSX - Test & Assembly	20	30-Apr-12	25-May-12	53
1.03.04.07	ASR3839-030	Front Ends - P2 Cell 3 - HXN - Test & Assembly	20	02-Apr-12	27-Apr-12	53
1.03.04.07	ASR3839-060	Front Ends - P4 Cell 11 - CHX - Test & Assembly	20	02-Apr-12	27-Apr-12	53
Storage Ring Utility Distribution			19	26-Aug-11 A	30-Mar-12	46
FW SIMS - Pump Skids			19	26-Aug-11 A	30-Mar-12	46
1.03.04.08.03.01	ASR4473-400	PROC 2 - SIMS PUMP SKIDS - LINAC / Booster Ring - Fabrication	19	26-Aug-11 A	30-Mar-12	46
Storage Ring Installation			441	22-Aug-11 A	28-May-13	23
Girder Integration			114	05-Oct-12	25-Mar-13	18
Girder Installation			78	05-Oct-12	31-Jan-13	28
Girder Installation - Pentant 2			4	23-Oct-12	29-Oct-12	56
1.03.04.09.03	GS-002-3004	Girder Installation / Primary Survey - PENTANT 2 - Cell 30 (C30G5)	4	23-Oct-12	29-Oct-12	56
Girder Installation - Pentant 3			23	16-Oct-12	15-Nov-12	52
1.03.04.09.03	GS-003-0702	Girder Installation / Primary Survey - PENTANT 3 - Cell 7 (C07G3)	4	07-Nov-12	13-Nov-12	55
1.03.04.09.03	GS-003-0704	Girder Installation / Primary Survey - PENTANT 3 - Cell 7 (C07G5)	4	12-Nov-12	15-Nov-12	52
1.03.04.09.03	GS-003-1004	Girder Installation / Primary Survey - PENTANT 3 - Cell 10 (C10G5)	4	16-Oct-12	22-Oct-12	56
Girder Installation - Pentant 4			49	14-Nov-12	29-Jan-13	15
1.03.04.09.03	GS-004-1102	Girder Installation / Primary Survey - PENTANT 4 - Cell 11 (C11G3)	4	14-Nov-12	20-Nov-12	35
1.03.04.09.03	GS-004-1104	Girder Installation / Primary Survey - PENTANT 4 - Cell 11 (C11G5)	4	19-Nov-12	26-Nov-12	32
1.03.04.09.03	GS-004-1202	Girder Installation / Primary Survey - PENTANT 4 - Cell 12 (C12G3)	4	10-Dec-12	14-Dec-12	27
1.03.04.09.03	GS-004-1204	Girder Installation / Primary Survey - PENTANT 4 - Cell 12 (C12G5)	4	13-Dec-12	18-Dec-12	24
1.03.04.09.03	GS-004-1402	Girder Installation / Primary Survey - PENTANT 4 - Cell 14 (C14G3)	4	11-Jan-13	17-Jan-13	22
1.03.04.09.03	GS-004-1404	Girder Installation / Primary Survey - PENTANT 4 - Cell 14 (C14G5)	4	16-Jan-13	22-Jan-13	19
1.03.04.09.03	GS-004-1502	Girder Installation / Primary Survey - PENTANT 4 - Cell 15 (C15G3)	4	18-Jan-13	25-Jan-13	18
1.03.04.09.03	GS-004-1504	Girder Installation / Primary Survey - PENTANT 4 - Cell 15 (C15G5)	4	24-Jan-13	29-Jan-13	15
1.03.04.09.03	GS-004-1602	Girder Installation / Primary Survey - PENTANT 4 - Cell 16 (C16G3)	4	17-Dec-12	21-Dec-12	39
1.03.04.09.03	GS-004-1604	Girder Installation / Primary Survey - PENTANT 4 - Cell 16 (C16G5)	4	20-Dec-12	27-Dec-12	36
Girder Installation - Pentant 5			78	05-Oct-12	31-Jan-13	28
1.03.04.09.03	GS-005-1701	Girder Installation / Primary Survey - PENTANT 5 - Cell 17 (C17G2)	4	05-Oct-12	11-Oct-12	62
1.03.04.09.03	GS-005-1702	Girder Installation / Primary Survey - PENTANT 5 - Cell 17 (C17G3)	4	10-Dec-12	14-Dec-12	19
1.03.04.09.03	GS-005-1703	Girder Installation / Primary Survey - PENTANT 5 - Cell 17 (C17G4)	4	11-Oct-12	16-Oct-12	59
1.03.04.09.03	GS-005-1704	Girder Installation / Primary Survey - PENTANT 5 - Cell 17 (C17G5)	4	09-Jan-13	14-Jan-13	0
1.03.04.09.03	GS-005-1705	Girder Installation / Primary Survey - PENTANT 5 - Cell 17 (C17G6)	4	16-Oct-12	19-Oct-12	56
1.03.04.09.03	GS-005-1801	Girder Installation / Primary Survey - PENTANT 5 - Cell 18 (C18G2)	4	19-Oct-12	24-Oct-12	61
1.03.04.09.03	GS-005-1802	Girder Installation / Primary Survey - PENTANT 5 - Cell 18 (C18G3)	4	11-Jan-13	17-Jan-13	6
1.03.04.09.03	GS-005-1803	Girder Installation / Primary Survey - PENTANT 5 - Cell 18 (C18G4)	4	24-Oct-12	29-Oct-12	58
1.03.04.09.03	GS-005-1804	Girder Installation / Primary Survey - PENTANT 5 - Cell 18 (C18G5)	4	16-Jan-13	22-Jan-13	3
1.03.04.09.03	GS-005-1805	Girder Installation / Primary Survey - PENTANT 5 - Cell 18 (C18G6)	4	29-Oct-12	01-Nov-12	55
1.03.04.09.03	GS-005-1901	Girder Installation / Primary Survey - PENTANT 5 - Cell 19 (C19G2)	4	29-Nov-12	04-Dec-12	63
1.03.04.09.03	GS-005-1902	Girder Installation / Primary Survey - PENTANT 5 - Cell 19 (C19G3)	4	23-Jan-13	28-Jan-13	31



(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.09.03	GS-005-1903	Girder Installation / Primary Survey - PENTANT 5 - Cell 19 (C19G4)	4	04-Dec-12	07-Dec-12	60
1.03.04.09.03	GS-005-1904	Girder Installation / Primary Survey - PENTANT 5 - Cell 19 (C19G5)	4	28-Jan-13	31-Jan-13	28
1.03.04.09.03	GS-005-1905	Girder Installation / Primary Survey - PENTANT 5 - Cell 19 (C19G6)	4	20-Dec-12	27-Dec-12	48
1.03.04.09.03	GS-005-2001	Girder Installation / Primary Survey - PENTANT 5 - Cell 20 (C20G2)	4	12-Dec-12	17-Dec-12	33
1.03.04.09.03	GS-005-2002	Girder Installation / Primary Survey - PENTANT 5 - Cell 20 (C20G3)	4	14-Jan-13	17-Jan-13	13
1.03.04.09.03	GS-005-2003	Girder Installation / Primary Survey - PENTANT 5 - Cell 20 (C20G4)	4	17-Dec-12	20-Dec-12	30
1.03.04.09.03	GS-005-2004	Girder Installation / Primary Survey - PENTANT 5 - Cell 20 (C20G5)	4	17-Jan-13	23-Jan-13	10
1.03.04.09.03	GS-005-2005	Girder Installation / Primary Survey - PENTANT 5 - Cell 20 (C20G6)	4	09-Nov-12	14-Nov-12	54
1.03.04.09.03	GS-005-2102	Girder Installation / Primary Survey - PENTANT 5 - Cell 21 (C21G3)	4	11-Jan-13	17-Jan-13	22
1.03.04.09.03	GS-005-2104	Girder Installation / Primary Survey - PENTANT 5 - Cell 21 (C21G5)	4	16-Jan-13	22-Jan-13	19
1.03.04.09.03	GS-005-2105	Girder Installation / Primary Survey - PENTANT 5 - Cell 21 (C21G6)	4	26-Nov-12	29-Nov-12	53
1.03.04.09.03	GS-005-2202	Girder Installation / Primary Survey - PENTANT 5 - Cell 22 (C22G3)	4	18-Jan-13	25-Jan-13	25
1.03.04.09.03	GS-005-2204	Girder Installation / Primary Survey - PENTANT 5 - Cell 22 (C22G5)	4	24-Jan-13	29-Jan-13	22
1.03.04.09.03	GS-005-2205	Girder Installation / Primary Survey - PENTANT 5 - Cell 22 (C22G6)	4	07-Dec-12	12-Dec-12	52
Connect Water to Girder & Dipoles			32	14-Dec-12	01-Feb-13	32
Connect Water to Girder & Dipoles - Pentant 4			30	14-Dec-12	30-Jan-13	34
1.03.04.09.01	GMU-100-012-02	P4 - Connect Water to Girder & Dipole Magnets - Cell 12 - (C12G3)	1	14-Dec-12	17-Dec-12	63
1.03.04.09.01	GMU-100-012-04	P4 - Connect Water to Girder & Dipole Magnets - Cell 12 - (C12G5)	1	19-Dec-12	19-Dec-12	60
1.03.04.09.01	GMU-100-014-02	P4 - Connect Water to Girder & Dipole Magnets - Cell 14 - (C14G3)	1	17-Jan-13	18-Jan-13	42
1.03.04.09.01	GMU-100-014-04	P4 - Connect Water to Girder & Dipole Magnets - Cell 14 - (C14G5)	1	23-Jan-13	23-Jan-13	39
1.03.04.09.01	GMU-100-015-02	P4 - Connect Water to Girder & Dipole Magnets - Cell 15 - (C15G3)	1	25-Jan-13	28-Jan-13	37
1.03.04.09.01	GMU-100-015-04	P4 - Connect Water to Girder & Dipole Magnets - Cell 15 - (C15G5)	1	30-Jan-13	30-Jan-13	34
1.03.04.09.01	GMU-100-016-02	P4 - Connect Water to Girder & Dipole Magnets - Cell 16 - (C16G3)	1	21-Dec-12	26-Dec-12	58
1.03.04.09.01	GMU-100-016-04	P4 - Connect Water to Girder & Dipole Magnets - Cell 16 - (C16G5)	1	28-Dec-12	28-Dec-12	55
Connect Water to Girder & Dipoles - Pentant 5			32	14-Dec-12	01-Feb-13	32
1.03.04.09.01	GMU-100-017-02	P5 - Connect Water to Girder & Dipole Magnets - Cell 17 - (C17G3)	1	14-Dec-12	17-Dec-12	63
1.03.04.09.01	GMU-100-017-04	P5 - Connect Water to Girder & Dipole Magnets - Cell 17 - (C17G5)	1	15-Jan-13	15-Jan-13	44
1.03.04.09.01	GMU-100-018-02	P5 - Connect Water to Girder & Dipole Magnets - Cell 18 - (C18G3)	1	17-Jan-13	18-Jan-13	42
1.03.04.09.01	GMU-100-018-04	P5 - Connect Water to Girder & Dipole Magnets - Cell 18 - (C18G5)	1	23-Jan-13	23-Jan-13	39
1.03.04.09.01	GMU-100-019-02	P5 - Connect Water to Girder & Dipole Magnets - Cell 19 - (C19G3)	1	29-Jan-13	29-Jan-13	35
1.03.04.09.01	GMU-100-019-04	P5 - Connect Water to Girder & Dipole Magnets - Cell 19 - (C19G5)	1	01-Feb-13	01-Feb-13	32
1.03.04.09.01	GMU-100-019-05	P5 - Connect Water to Girder & Dipole Magnets - Cell 19 - (C19G6)	1	28-Dec-12	28-Dec-12	55
1.03.04.09.01	GMU-100-020-01	P5 - Connect Water to Girder & Dipole Magnets - Cell 20 - (C20G2)	1	18-Dec-12	18-Dec-12	61
1.03.04.09.01	GMU-100-020-02	P5 - Connect Water to Girder & Dipole Magnets - Cell 20 - (C20G3)	1	18-Jan-13	18-Jan-13	41
1.03.04.09.01	GMU-100-020-03	P5 - Connect Water to Girder & Dipole Magnets - Cell 20 - (C20G4)	1	21-Dec-12	21-Dec-12	58
1.03.04.09.01	GMU-100-020-04	P5 - Connect Water to Girder & Dipole Magnets - Cell 20 - (C20G5)	1	24-Jan-13	24-Jan-13	38
1.03.04.09.01	GMU-100-021-02	P5 - Connect Water to Girder & Dipole Magnets - Cell 21 - (C21G3)	1	17-Jan-13	18-Jan-13	42
1.03.04.09.01	GMU-100-021-04	P5 - Connect Water to Girder & Dipole Magnets - Cell 21 - (C21G5)	1	23-Jan-13	23-Jan-13	39
1.03.04.09.01	GMU-100-022-02	P5 - Connect Water to Girder & Dipole Magnets - Cell 22 - (C22G3)	1	25-Jan-13	28-Jan-13	37
1.03.04.09.01	GMU-100-022-04	P5 - Connect Water to Girder & Dipole Magnets - Cell 22 - (C22G5)	1	30-Jan-13	30-Jan-13	34
Pressure & Flow Test Magnet Water			32	17-Dec-12	04-Feb-13	32
Pressure & Flow Test Magnet Water - Pentant 4			30	17-Dec-12	31-Jan-13	34
1.03.04.09.01	GMU-200-012-02	P4 - Pressure & Flow Test Magnet Water - Cell 12 - (C12G3)	1	17-Dec-12	18-Dec-12	63
1.03.04.09.01	GMU-200-012-04	P4 - Pressure & Flow Test Magnet Water - Cell 12 - (C12G5)	1	20-Dec-12	20-Dec-12	60
1.03.04.09.01	GMU-200-014-02	P4 - Pressure & Flow Test Magnet Water - Cell 14 - (C14G3)	1	18-Jan-13	22-Jan-13	42
1.03.04.09.01	GMU-200-014-04	P4 - Pressure & Flow Test Magnet Water - Cell 14 - (C14G5)	1	24-Jan-13	24-Jan-13	39
1.03.04.09.01	GMU-200-015-02	P4 - Pressure & Flow Test Magnet Water - Cell 15 - (C15G3)	1	28-Jan-13	29-Jan-13	37
1.03.04.09.01	GMU-200-015-04	P4 - Pressure & Flow Test Magnet Water - Cell 15 - (C15G5)	1	31-Jan-13	31-Jan-13	34

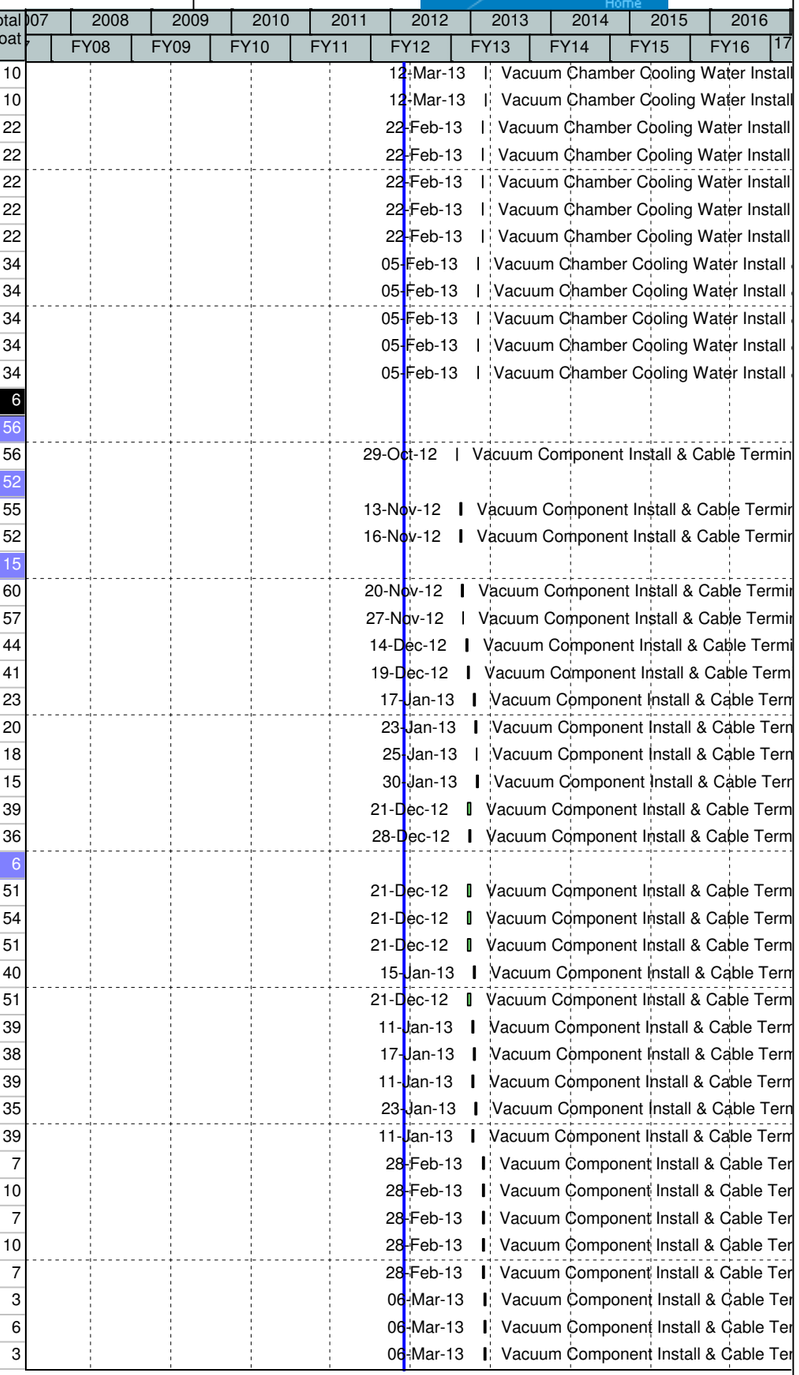


(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012
1.03.04.09.01	GMU-200-016-02	P4 - Pressure & Flow Test Magnet Water - Cell 16 - (C16G3)	1	26-Dec-12	27-Dec-12	58	26-Dec-12 P4 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-016-04	P4 - Pressure & Flow Test Magnet Water - Cell 16 - (C16G5)	1	31-Dec-12	31-Dec-12	55	31-Dec-12 P4 - Pressure & Flow Test Magnet Water
Pressure & Flow Test Magnet Water - Pentant 5			32	17-Dec-12	04-Feb-13	32	
1.03.04.09.01	GMU-200-017-02	P5 - Pressure & Flow Test Magnet Water - Cell 17 - (C17G3)	1	17-Dec-12	18-Dec-12	63	17-Dec-12 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-017-04	P5 - Pressure & Flow Test Magnet Water - Cell 17 - (C17G5)	1	16-Jan-13	16-Jan-13	44	16-Jan-13 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-018-02	P5 - Pressure & Flow Test Magnet Water - Cell 18 - (C18G3)	1	18-Jan-13	22-Jan-13	42	18-Jan-13 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-018-04	P5 - Pressure & Flow Test Magnet Water - Cell 18 - (C18G5)	1	24-Jan-13	24-Jan-13	39	24-Jan-13 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-019-02	P5 - Pressure & Flow Test Magnet Water - Cell 19 - (C19G3)	1	30-Jan-13	30-Jan-13	35	30-Jan-13 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-019-04	P5 - Pressure & Flow Test Magnet Water - Cell 19 - (C19G5)	1	04-Feb-13	04-Feb-13	32	04-Feb-13 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-019-05	P5 - Pressure & Flow Test Magnet Water - Cell 19 - (C19G6)	1	31-Dec-12	31-Dec-12	55	31-Dec-12 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-020-01	P5 - Pressure & Flow Test Magnet Water - Cell 20 - (C20G2)	1	19-Dec-12	19-Dec-12	61	19-Dec-12 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-020-02	P5 - Pressure & Flow Test Magnet Water - Cell 20 - (C20G3)	1	22-Jan-13	22-Jan-13	41	22-Jan-13 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-020-03	P5 - Pressure & Flow Test Magnet Water - Cell 20 - (C20G4)	1	26-Dec-12	26-Dec-12	58	26-Dec-12 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-020-04	P5 - Pressure & Flow Test Magnet Water - Cell 20 - (C20G5)	1	25-Jan-13	25-Jan-13	38	25-Jan-13 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-021-02	P5 - Pressure & Flow Test Magnet Water - Cell 21 - (C21G3)	1	18-Jan-13	22-Jan-13	42	18-Jan-13 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-021-04	P5 - Pressure & Flow Test Magnet Water - Cell 21 - (C21G5)	1	24-Jan-13	24-Jan-13	39	24-Jan-13 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-022-02	P5 - Pressure & Flow Test Magnet Water - Cell 22 - (C22G3)	1	28-Jan-13	29-Jan-13	37	28-Jan-13 P5 - Pressure & Flow Test Magnet Water
1.03.04.09.01	GMU-200-022-04	P5 - Pressure & Flow Test Magnet Water - Cell 22 - (C22G5)	1	31-Jan-13	31-Jan-13	34	31-Jan-13 P5 - Pressure & Flow Test Magnet Water
Vacuum Component Installation			90	29-Oct-12	12-Mar-13	10	
Vacuum Chamber Cooling Water Install & Hookup			54	20-Dec-12	12-Mar-13	10	
Vacuum Chamber Cooling Water Install & Hookup - Pentant 4			30	20-Dec-12	05-Feb-13	34	
1.03.04.09.04	GCH-004-1202	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 4 - Cell 12 (C12G3)	1	20-Dec-12	21-Dec-12	63	20-Dec-12 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-004-1204	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 4 - Cell 12 (C12G5)	1	27-Dec-12	27-Dec-12	60	27-Dec-12 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-004-1402	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 4 - Cell 14 (C14G3)	1	24-Jan-13	25-Jan-13	42	24-Jan-13 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-004-1404	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 4 - Cell 14 (C14G5)	1	29-Jan-13	29-Jan-13	39	29-Jan-13 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-004-1502	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 4 - Cell 15 (C15G3)	1	31-Jan-13	01-Feb-13	37	31-Jan-13 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-004-1504	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 4 - Cell 15 (C15G5)	1	05-Feb-13	05-Feb-13	34	05-Feb-13 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-004-1602	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 4 - Cell 16 (C16G3)	1	31-Dec-12	02-Jan-13	58	31-Dec-12 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-004-1604	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 4 - Cell 16 (C16G5)	1	04-Jan-13	04-Jan-13	55	04-Jan-13 Vacuum Chamber Cooling Water Install &
Vacuum Chamber Cooling Water Install & Hookup - Pentant 5			49	31-Dec-12	12-Mar-13	10	
1.03.04.09.04	GCH-005-1701	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 17 (C17G2)	1	31-Dec-12	31-Dec-12	54	31-Dec-12 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-005-1702	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 17 (C17G3)	1	31-Dec-12	31-Dec-12	54	31-Dec-12 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-005-1703	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 17 (C17G4)	1	31-Dec-12	31-Dec-12	54	31-Dec-12 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-005-1704	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 17 (C17G5)	1	22-Jan-13	22-Jan-13	40	22-Jan-13 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-005-1705	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 17 (C17G6)	1	31-Dec-12	31-Dec-12	54	31-Dec-12 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-005-1801	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 18 (C18G2)	1	17-Jan-13	17-Jan-13	44	17-Jan-13 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-005-1802	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 18 (C18G3)	1	24-Jan-13	25-Jan-13	40	24-Jan-13 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-005-1803	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 18 (C18G4)	1	17-Jan-13	17-Jan-13	44	17-Jan-13 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-005-1804	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 18 (C18G5)	1	29-Jan-13	29-Jan-13	37	29-Jan-13 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-005-1805	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 18 (C18G6)	1	17-Jan-13	17-Jan-13	44	17-Jan-13 Vacuum Chamber Cooling Water Install &
1.03.04.09.04	GCH-005-1901	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 19 (C19G2)	1	06-Mar-13	06-Mar-13	14	06-Mar-13 Vacuum Chamber Cooling Water Install
1.03.04.09.04	GCH-005-1902	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 19 (C19G3)	1	06-Mar-13	06-Mar-13	14	06-Mar-13 Vacuum Chamber Cooling Water Install
1.03.04.09.04	GCH-005-1903	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 19 (C19G4)	1	06-Mar-13	06-Mar-13	14	06-Mar-13 Vacuum Chamber Cooling Water Install
1.03.04.09.04	GCH-005-1904	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 19 (C19G5)	1	06-Mar-13	06-Mar-13	14	06-Mar-13 Vacuum Chamber Cooling Water Install
1.03.04.09.04	GCH-005-1905	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 19 (C19G6)	1	06-Mar-13	06-Mar-13	14	06-Mar-13 Vacuum Chamber Cooling Water Install
1.03.04.09.04	GCH-005-2001	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 20 (C20G2)	1	12-Mar-13	12-Mar-13	10	12-Mar-13 Vacuum Chamber Cooling Water Install
1.03.04.09.04	GCH-005-2002	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 20 (C20G3)	1	12-Mar-13	12-Mar-13	10	12-Mar-13 Vacuum Chamber Cooling Water Install
1.03.04.09.04	GCH-005-2003	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 20 (C20G4)	1	12-Mar-13	12-Mar-13	10	12-Mar-13 Vacuum Chamber Cooling Water Install

(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.09.04	GCH-005-2004	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 20 (C20G5)	1	12-Mar-13	12-Mar-13	10
1.03.04.09.04	GCH-005-2005	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 20 (C20G6)	1	12-Mar-13	12-Mar-13	10
1.03.04.09.04	GCH-005-2101	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 21 (C21G2)	1	22-Feb-13	22-Feb-13	22
1.03.04.09.04	GCH-005-2102	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 21 (C21G3)	1	22-Feb-13	22-Feb-13	22
1.03.04.09.04	GCH-005-2103	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 21 (C21G4)	1	22-Feb-13	22-Feb-13	22
1.03.04.09.04	GCH-005-2104	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 21 (C21G5)	1	22-Feb-13	22-Feb-13	22
1.03.04.09.04	GCH-005-2105	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 21 (C21G6)	1	22-Feb-13	22-Feb-13	22
1.03.04.09.04	GCH-005-2201	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 22 (C22G2)	1	05-Feb-13	05-Feb-13	34
1.03.04.09.04	GCH-005-2202	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 22 (C22G3)	1	05-Feb-13	05-Feb-13	34
1.03.04.09.04	GCH-005-2203	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 22 (C22G4)	1	05-Feb-13	05-Feb-13	34
1.03.04.09.04	GCH-005-2204	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 22 (C22G5)	1	05-Feb-13	05-Feb-13	34
1.03.04.09.04	GCH-005-2205	Vacuum Chamber Cooling Water Install & Hookup - PENTANT 5 - Cell 22 (C22G6)	1	05-Feb-13	05-Feb-13	34
Vacuum Components Install & Cable Termination			89	29-Oct-12	11-Mar-13	6
Vacuum Components Install & Cable Termination - Pentant 2			4	29-Oct-12	02-Nov-12	56
1.03.04.09.04	GVC-002-3004	Vacuum Component Install & Cable Termination - PENTANT 2 - Cell 30 (C30G5)	4	29-Oct-12	02-Nov-12	56
Vacuum Components Install & Cable Termination - Pentant 3			7	13-Nov-12	21-Nov-12	52
1.03.04.09.04	GVC-003-0702	Vacuum Component Install & Cable Termination - PENTANT 3 - Cell 7 (C07G3)	4	13-Nov-12	19-Nov-12	55
1.03.04.09.04	GVC-003-0704	Vacuum Component Install & Cable Termination - PENTANT 3 - Cell 7 (C07G5)	4	16-Nov-12	21-Nov-12	52
Vacuum Components Install & Cable Termination - Pentant 4			49	20-Nov-12	04-Feb-13	15
1.03.04.09.04	GVC-004-1102	Vacuum Component Install & Cable Termination - PENTANT 4 - Cell 11 (C11G3)	4	20-Nov-12	28-Nov-12	60
1.03.04.09.04	GVC-004-1104	Vacuum Component Install & Cable Termination - PENTANT 4 - Cell 11 (C11G5)	4	27-Nov-12	30-Nov-12	57
1.03.04.09.04	GVC-004-1202	Vacuum Component Install & Cable Termination - PENTANT 4 - Cell 12 (C12G3)	4	14-Dec-12	20-Dec-12	44
1.03.04.09.04	GVC-004-1204	Vacuum Component Install & Cable Termination - PENTANT 4 - Cell 12 (C12G5)	4	19-Dec-12	26-Dec-12	41
1.03.04.09.04	GVC-004-1402	Vacuum Component Install & Cable Termination - PENTANT 4 - Cell 14 (C14G3)	4	17-Jan-13	24-Jan-13	23
1.03.04.09.04	GVC-004-1404	Vacuum Component Install & Cable Termination - PENTANT 4 - Cell 14 (C14G5)	4	23-Jan-13	28-Jan-13	20
1.03.04.09.04	GVC-004-1502	Vacuum Component Install & Cable Termination - PENTANT 4 - Cell 15 (C15G3)	4	25-Jan-13	31-Jan-13	18
1.03.04.09.04	GVC-004-1504	Vacuum Component Install & Cable Termination - PENTANT 4 - Cell 15 (C15G5)	4	30-Jan-13	04-Feb-13	15
1.03.04.09.04	GVC-004-1602	Vacuum Component Install & Cable Termination - PENTANT 4 - Cell 16 (C16G3)	4	21-Dec-12	31-Dec-12	39
1.03.04.09.04	GVC-004-1604	Vacuum Component Install & Cable Termination - PENTANT 4 - Cell 16 (C16G5)	4	28-Dec-12	03-Jan-13	36
Vacuum Components Install & Cable Termination - Pentant 5			52	21-Dec-12	11-Mar-13	6
1.03.04.09.04	GVC-005-1701	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 17 (C17G2)	4	21-Dec-12	28-Dec-12	51
1.03.04.09.04	GVC-005-1702	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 17 (C17G3)	4	21-Dec-12	28-Dec-12	54
1.03.04.09.04	GVC-005-1703	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 17 (C17G4)	4	21-Dec-12	28-Dec-12	51
1.03.04.09.04	GVC-005-1704	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 17 (C17G5)	4	15-Jan-13	18-Jan-13	40
1.03.04.09.04	GVC-005-1705	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 17 (C17G6)	4	21-Dec-12	28-Dec-12	51
1.03.04.09.04	GVC-005-1801	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 18 (C18G2)	4	11-Jan-13	16-Jan-13	39
1.03.04.09.04	GVC-005-1802	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 18 (C18G3)	4	17-Jan-13	24-Jan-13	38
1.03.04.09.04	GVC-005-1803	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 18 (C18G4)	4	11-Jan-13	16-Jan-13	39
1.03.04.09.04	GVC-005-1804	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 18 (C18G5)	4	23-Jan-13	28-Jan-13	35
1.03.04.09.04	GVC-005-1805	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 18 (C18G6)	4	11-Jan-13	16-Jan-13	39
1.03.04.09.04	GVC-005-1901	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 19 (C19G2)	4	28-Feb-13	05-Mar-13	7
1.03.04.09.04	GVC-005-1902	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 19 (C19G3)	4	28-Feb-13	05-Mar-13	10
1.03.04.09.04	GVC-005-1903	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 19 (C19G4)	4	28-Feb-13	05-Mar-13	7
1.03.04.09.04	GVC-005-1904	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 19 (C19G5)	4	28-Feb-13	05-Mar-13	10
1.03.04.09.04	GVC-005-1905	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 19 (C19G6)	4	28-Feb-13	05-Mar-13	7
1.03.04.09.04	GVC-005-2001	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 20 (C20G2)	4	06-Mar-13	11-Mar-13	3
1.03.04.09.04	GVC-005-2002	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 20 (C20G3)	4	06-Mar-13	11-Mar-13	6
1.03.04.09.04	GVC-005-2003	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 20 (C20G4)	4	06-Mar-13	11-Mar-13	3



(B) NSLS-II - Near Critical Path

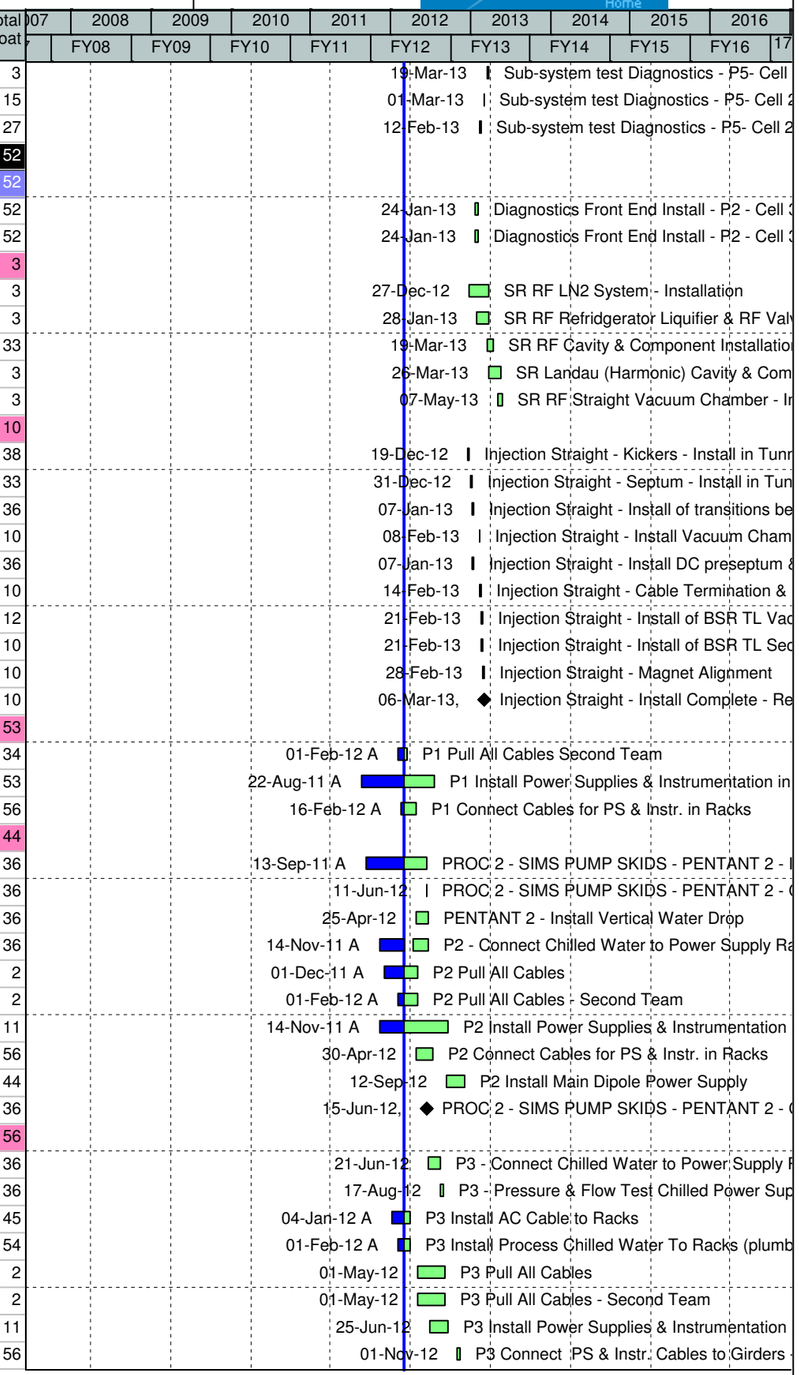
NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2008 (FY08)	2009 (FY09)	2010 (FY10)	2011 (FY11)	2012 (FY12)	2013 (FY13)	2014 (FY14)	2015 (FY15)	2016 (FY16)
1.03.04.09.04	GVC-005-2004	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 20 (C20G5)	4	06-Mar-13	11-Mar-13	6					06-Mar-13	Vacuum Component Install & Cable Ter			
1.03.04.09.04	GVC-005-2005	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 20 (C20G6)	4	06-Mar-13	11-Mar-13	3					06-Mar-13	Vacuum Component Install & Cable Ter			
1.03.04.09.04	GVC-005-2101	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 21 (C21G2)	4	15-Feb-13	21-Feb-13	15					15-Feb-13	Vacuum Component Install & Cable Ter			
1.03.04.09.04	GVC-005-2102	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 21 (C21G3)	4	15-Feb-13	21-Feb-13	18					15-Feb-13	Vacuum Component Install & Cable Ter			
1.03.04.09.04	GVC-005-2103	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 21 (C21G4)	4	15-Feb-13	21-Feb-13	15					15-Feb-13	Vacuum Component Install & Cable Ter			
1.03.04.09.04	GVC-005-2104	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 21 (C21G5)	4	15-Feb-13	21-Feb-13	18					15-Feb-13	Vacuum Component Install & Cable Ter			
1.03.04.09.04	GVC-005-2105	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 21 (C21G6)	4	15-Feb-13	21-Feb-13	15					15-Feb-13	Vacuum Component Install & Cable Ter			
1.03.04.09.04	GVC-005-2201	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 22 (C22G2)	4	30-Jan-13	04-Feb-13	27					30-Jan-13	Vacuum Component Install & Cable Terr			
1.03.04.09.04	GVC-005-2202	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 22 (C22G3)	4	30-Jan-13	04-Feb-13	30					30-Jan-13	Vacuum Component Install & Cable Terr			
1.03.04.09.04	GVC-005-2203	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 22 (C22G4)	4	30-Jan-13	04-Feb-13	27					30-Jan-13	Vacuum Component Install & Cable Terr			
1.03.04.09.04	GVC-005-2204	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 22 (C22G5)	4	30-Jan-13	04-Feb-13	30					30-Jan-13	Vacuum Component Install & Cable Terr			
1.03.04.09.04	GVC-005-2205	Vacuum Component Install & Cable Termination - PENTANT 5 - Cell 22 (C22G6)	4	30-Jan-13	04-Feb-13	27					30-Jan-13	Vacuum Component Install & Cable Terr			
Diagnostic Installation			95	02-Nov-12	25-Mar-13	18									
Diagnostics - Terminate Cables / Install Panels / Rack Mods			51	31-Dec-12	14-Mar-13	3									
Diagnostics - Terminate Cables / Install Panels / Rack Mods - Pentant 5			51	31-Dec-12	14-Mar-13	3									
1.03.04.09.06	GBI-005-1711	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 17 - (C17G2)	3	31-Dec-12	03-Jan-13	51					31-Dec-12	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-1712	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 17 - (C17G4)	3	31-Dec-12	03-Jan-13	51					31-Dec-12	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-1713	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 17 - (C17G6)	3	31-Dec-12	03-Jan-13	51					31-Dec-12	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-1811	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 18 - (C18G2)	3	17-Jan-13	22-Jan-13	39					17-Jan-13	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-1812	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 18 - (C18G4)	3	17-Jan-13	22-Jan-13	39					17-Jan-13	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-1813	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 18 - (C18G6)	3	17-Jan-13	22-Jan-13	39					17-Jan-13	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-1911	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 19 - (C19G2)	3	06-Mar-13	08-Mar-13	7					06-Mar-13	Terminate all Cables/Install Panels/Rac			
1.03.04.09.06	GBI-005-1912	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 19 - (C19G4)	3	06-Mar-13	08-Mar-13	7					06-Mar-13	Terminate all Cables/Install Panels/Rac			
1.03.04.09.06	GBI-005-1913	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 19 - (C19G6)	3	06-Mar-13	08-Mar-13	7					06-Mar-13	Terminate all Cables/Install Panels/Rac			
1.03.04.09.06	GBI-005-2011	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 20 - (C20G2)	3	12-Mar-13	14-Mar-13	3					12-Mar-13	Terminate all Cables/Install Panels/Rac			
1.03.04.09.06	GBI-005-2012	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 20 - (C20G4)	3	12-Mar-13	14-Mar-13	3					12-Mar-13	Terminate all Cables/Install Panels/Rac			
1.03.04.09.06	GBI-005-2013	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 20 - (C20G6)	3	12-Mar-13	14-Mar-13	3					12-Mar-13	Terminate all Cables/Install Panels/Rac			
1.03.04.09.06	GBI-005-2111	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 21 - (C21G2)	3	22-Feb-13	26-Feb-13	15					22-Feb-13	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-2112	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 21 - (C21G4)	3	22-Feb-13	26-Feb-13	15					22-Feb-13	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-2113	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 21 - (C21G6)	3	22-Feb-13	26-Feb-13	15					22-Feb-13	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-2211	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 22 - (C22G2)	3	05-Feb-13	07-Feb-13	27					05-Feb-13	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-2212	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 22 - (C22G4)	3	05-Feb-13	07-Feb-13	27					05-Feb-13	Terminate all Cables/Install Panels/Rack			
1.03.04.09.06	GBI-005-2213	Terminate all Cables/Install Panels/Rack Mods (G2,G4,G6) - P5- Cell 22 - (C22G6)	3	05-Feb-13	07-Feb-13	27					05-Feb-13	Terminate all Cables/Install Panels/Rack			
Diagnostics - Install RF Boxes & all Electronics			90	02-Nov-12	18-Mar-13	3									
Diagnostics - Install RF Boxes & all Electronics - Pentant 2			2	02-Nov-12	06-Nov-12	56									
1.03.04.09.06	GBI-002-3024	Install all RF Boxes & all Electronics - P2- Cell 30 - (C30G5)	2	02-Nov-12	06-Nov-12	56					02-Nov-12	Install all RF Boxes & all Electronics - P2- C			
Diagnostics - Install RF Boxes & all Electronics - Pentant 3			5	19-Nov-12	27-Nov-12	52									
1.03.04.09.06	GBI-003-0722	Install all RF Boxes & all Electronics - P3- Cell 7 - (C07G3)	2	19-Nov-12	21-Nov-12	55					19-Nov-12	Install all RF Boxes & all Electronics - P3- (			
1.03.04.09.06	GBI-003-0724	Install all RF Boxes & all Electronics - P3- Cell 7 - (C07G5)	2	26-Nov-12	27-Nov-12	52					26-Nov-12	Install all RF Boxes & all Electronics - P3- (			
Diagnostics - Install RF Boxes & all Electronics - Pentant 4			47	28-Nov-12	06-Feb-13	15									
1.03.04.09.06	GBI-004-1122	Install all RF Boxes & all Electronics - P4- Cell 11 - (C11G3)	2	28-Nov-12	30-Nov-12	60					28-Nov-12	Install all RF Boxes & all Electronics - P4- (			
1.03.04.09.06	GBI-004-1124	Install all RF Boxes & all Electronics - P4- Cell 11 - (C11G5)	2	03-Dec-12	04-Dec-12	57					03-Dec-12	Install all RF Boxes & all Electronics - P4- (			
1.03.04.09.06	GBI-004-1222	Install all RF Boxes & all Electronics - P4- Cell 12 - (C12G3)	2	20-Dec-12	26-Dec-12	44					20-Dec-12	Install all RF Boxes & all Electronics - P4-			
1.03.04.09.06	GBI-004-1224	Install all RF Boxes & all Electronics - P4- Cell 12 - (C12G5)	2	27-Dec-12	28-Dec-12	41					27-Dec-12	Install all RF Boxes & all Electronics - P4-			
1.03.04.09.06	GBI-004-1422	Install all RF Boxes & all Electronics - P4- Cell 14 - (C14G3)	2	24-Jan-13	28-Jan-13	23					24-Jan-13	Install all RF Boxes & all Electronics - P4			
1.03.04.09.06	GBI-004-1424	Install all RF Boxes & all Electronics - P4- Cell 14 - (C14G5)	2	29-Jan-13	30-Jan-13	20					29-Jan-13	Install all RF Boxes & all Electronics - P4			
1.03.04.09.06	GBI-004-1522	Install all RF Boxes & all Electronics - P4- Cell 15 - (C15G3)	2	31-Jan-13	04-Feb-13	18					31-Jan-13	Install all RF Boxes & all Electronics - P4			
1.03.04.09.06	GBI-004-1524	Install all RF Boxes & all Electronics - P4- Cell 15 - (C15G5)	2	05-Feb-13	06-Feb-13	15					05-Feb-13	Install all RF Boxes & all Electronics - P4			

(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Activity Bar
1.03.04.09.06	GBI-004-1622	Install all RF Boxes & all Electronics - P4- Cell 16 - (C16G3)	2	31-Dec-12	03-Jan-13	39	31-Dec-12 Install all RF Boxes & all Electronics - P4-
1.03.04.09.06	GBI-004-1624	Install all RF Boxes & all Electronics - P4- Cell 16 - (C16G5)	2	04-Jan-13	07-Jan-13	36	04-Jan-13 Install all RF Boxes & all Electronics - P4-
Diagnostics - Install RF Boxes & all Electronics - Pentant 5			42	16-Jan-13	18-Mar-13	3	
1.03.04.09.06	GBI-005-1721	Install all RF Boxes & all Electronics - P5- Cell 17 - (C17G2)	2	16-Jan-13	17-Jan-13	43	16-Jan-13 Install all RF Boxes & all Electronics - P5-
1.03.04.09.06	GBI-005-1722	Install all RF Boxes & all Electronics - P5- Cell 17 - (C17G3)	2	16-Jan-13	17-Jan-13	43	16-Jan-13 Install all RF Boxes & all Electronics - P5-
1.03.04.09.06	GBI-005-1723	Install all RF Boxes & all Electronics - P5- Cell 17 - (C17G4)	2	16-Jan-13	17-Jan-13	43	16-Jan-13 Install all RF Boxes & all Electronics - P5-
1.03.04.09.06	GBI-005-1724	Install all RF Boxes & all Electronics - P5- Cell 17 - (C17G5)	2	22-Jan-13	23-Jan-13	40	22-Jan-13 Install all RF Boxes & all Electronics - P5
1.03.04.09.06	GBI-005-1725	Install all RF Boxes & all Electronics - P5- Cell 17 - (C17G6)	2	16-Jan-13	17-Jan-13	43	16-Jan-13 Install all RF Boxes & all Electronics - P5-
1.03.04.09.06	GBI-005-1821	Install all RF Boxes & all Electronics - P5- Cell 18 - (C18G2)	2	23-Jan-13	24-Jan-13	39	23-Jan-13 Install all RF Boxes & all Electronics - P5
1.03.04.09.06	GBI-005-1822	Install all RF Boxes & all Electronics - P5- Cell 18 - (C18G3)	2	24-Jan-13	28-Jan-13	38	24-Jan-13 Install all RF Boxes & all Electronics - P5
1.03.04.09.06	GBI-005-1823	Install all RF Boxes & all Electronics - P5- Cell 18 - (C18G4)	2	23-Jan-13	24-Jan-13	39	23-Jan-13 Install all RF Boxes & all Electronics - P5
1.03.04.09.06	GBI-005-1824	Install all RF Boxes & all Electronics - P5- Cell 18 - (C18G5)	2	29-Jan-13	30-Jan-13	35	29-Jan-13 Install all RF Boxes & all Electronics - P5
1.03.04.09.06	GBI-005-1825	Install all RF Boxes & all Electronics - P5- Cell 18 - (C18G6)	2	23-Jan-13	24-Jan-13	39	23-Jan-13 Install all RF Boxes & all Electronics - P5
1.03.04.09.06	GBI-005-1921	Install all RF Boxes & all Electronics - P5- Cell 19 - (C19G2)	2	11-Mar-13	12-Mar-13	7	11-Mar-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-1922	Install all RF Boxes & all Electronics - P5- Cell 19 - (C19G3)	2	06-Mar-13	07-Mar-13	10	06-Mar-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-1923	Install all RF Boxes & all Electronics - P5- Cell 19 - (C19G4)	2	11-Mar-13	12-Mar-13	7	11-Mar-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-1924	Install all RF Boxes & all Electronics - P5- Cell 19 - (C19G5)	2	06-Mar-13	07-Mar-13	10	06-Mar-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-1925	Install all RF Boxes & all Electronics - P5- Cell 19 - (C19G6)	2	11-Mar-13	12-Mar-13	7	11-Mar-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2021	Install all RF Boxes & all Electronics - P5- Cell 20 - (C20G2)	2	15-Mar-13	18-Mar-13	3	15-Mar-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2022	Install all RF Boxes & all Electronics - P5- Cell 20 - (C20G3)	2	12-Mar-13	13-Mar-13	6	12-Mar-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2023	Install all RF Boxes & all Electronics - P5- Cell 20 - (C20G4)	2	15-Mar-13	18-Mar-13	3	15-Mar-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2024	Install all RF Boxes & all Electronics - P5- Cell 20 - (C20G5)	2	12-Mar-13	13-Mar-13	6	12-Mar-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2025	Install all RF Boxes & all Electronics - P5- Cell 20 - (C20G6)	2	15-Mar-13	18-Mar-13	3	15-Mar-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2121	Install all RF Boxes & all Electronics - P5- Cell 21 - (C21G2)	2	27-Feb-13	28-Feb-13	15	27-Feb-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2122	Install all RF Boxes & all Electronics - P5- Cell 21 - (C21G3)	2	22-Feb-13	25-Feb-13	18	22-Feb-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2123	Install all RF Boxes & all Electronics - P5- Cell 21 - (C21G4)	2	27-Feb-13	28-Feb-13	15	27-Feb-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2124	Install all RF Boxes & all Electronics - P5- Cell 21 - (C21G5)	2	22-Feb-13	25-Feb-13	18	22-Feb-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2125	Install all RF Boxes & all Electronics - P5- Cell 21 - (C21G6)	2	27-Feb-13	28-Feb-13	15	27-Feb-13 Install all RF Boxes & all Electronics - P
1.03.04.09.06	GBI-005-2221	Install all RF Boxes & all Electronics - P5- Cell 22 - (C22G2)	2	08-Feb-13	11-Feb-13	27	08-Feb-13 Install all RF Boxes & all Electronics - P5
1.03.04.09.06	GBI-005-2222	Install all RF Boxes & all Electronics - P5- Cell 22 - (C22G3)	2	05-Feb-13	06-Feb-13	30	05-Feb-13 Install all RF Boxes & all Electronics - P5
1.03.04.09.06	GBI-005-2223	Install all RF Boxes & all Electronics - P5- Cell 22 - (C22G4)	2	08-Feb-13	11-Feb-13	27	08-Feb-13 Install all RF Boxes & all Electronics - P5
1.03.04.09.06	GBI-005-2224	Install all RF Boxes & all Electronics - P5- Cell 22 - (C22G5)	2	05-Feb-13	06-Feb-13	30	05-Feb-13 Install all RF Boxes & all Electronics - P5
1.03.04.09.06	GBI-005-2225	Install all RF Boxes & all Electronics - P5- Cell 22 - (C22G6)	2	08-Feb-13	11-Feb-13	27	08-Feb-13 Install all RF Boxes & all Electronics - P5
Diagnostics - Sub-system Test			93	06-Nov-12	25-Mar-13	3	
Diagnostics - Sub-system Test - Pentant 2			5	06-Nov-12	13-Nov-12	56	
1.03.04.09.06	GBI-002-3040	Sub-system test Diagnostics - P2- Cell 30	5	06-Nov-12	13-Nov-12	56	06-Nov-12 Sub-system test Diagnostics - P2- Cell 30
Diagnostics - Sub-system Test - Pentant 3			5	28-Nov-12	04-Dec-12	52	
1.03.04.09.06	GBI-003-0740	Sub-system test Diagnostics - P3- Cell 7	5	28-Nov-12	04-Dec-12	52	28-Nov-12 Sub-system test Diagnostics - P3- Cell 7
Diagnostics - Sub-system Test - Pentant 4			47	05-Dec-12	13-Feb-13	15	
1.03.04.09.06	GBI-004-1140	Sub-system test Diagnostics - P4- Cell 11	5	05-Dec-12	11-Dec-12	57	05-Dec-12 Sub-system test Diagnostics - P4- Cell 11
1.03.04.09.06	GBI-004-1240	Sub-system test Diagnostics - P4- Cell 12	5	31-Dec-12	07-Jan-13	41	31-Dec-12 Sub-system test Diagnostics - P4- Cell 12
1.03.04.09.06	GBI-004-1440	Sub-system test Diagnostics - P4- Cell 14	5	31-Jan-13	06-Feb-13	20	31-Jan-13 Sub-system test Diagnostics - P4- Cell 1
1.03.04.09.06	GBI-004-1540	Sub-system test Diagnostics - P4- Cell 15	5	07-Feb-13	13-Feb-13	15	07-Feb-13 Sub-system test Diagnostics - P4- Cell 1
1.03.04.09.06	GBI-004-1640	Sub-system test Diagnostics - P4- Cell 16	5	08-Jan-13	14-Jan-13	36	08-Jan-13 Sub-system test Diagnostics - P4- Cell 16
Diagnostics - Sub-system Test - Pentant 5			42	24-Jan-13	25-Mar-13	3	
1.03.04.09.06	GBI-005-1740	Sub-system test Diagnostics - P5- Cell 17	5	24-Jan-13	30-Jan-13	40	24-Jan-13 Sub-system test Diagnostics - P5- Cell 1
1.03.04.09.06	GBI-005-1840	Sub-system test Diagnostics - P5- Cell 18	5	31-Jan-13	06-Feb-13	35	31-Jan-13 Sub-system test Diagnostics - P5- Cell 1
1.03.04.09.06	GBI-005-1940	Sub-system test Diagnostics - P5- Cell 19	5	13-Mar-13	19-Mar-13	7	13-Mar-13 Sub-system test Diagnostics - P5- Cell

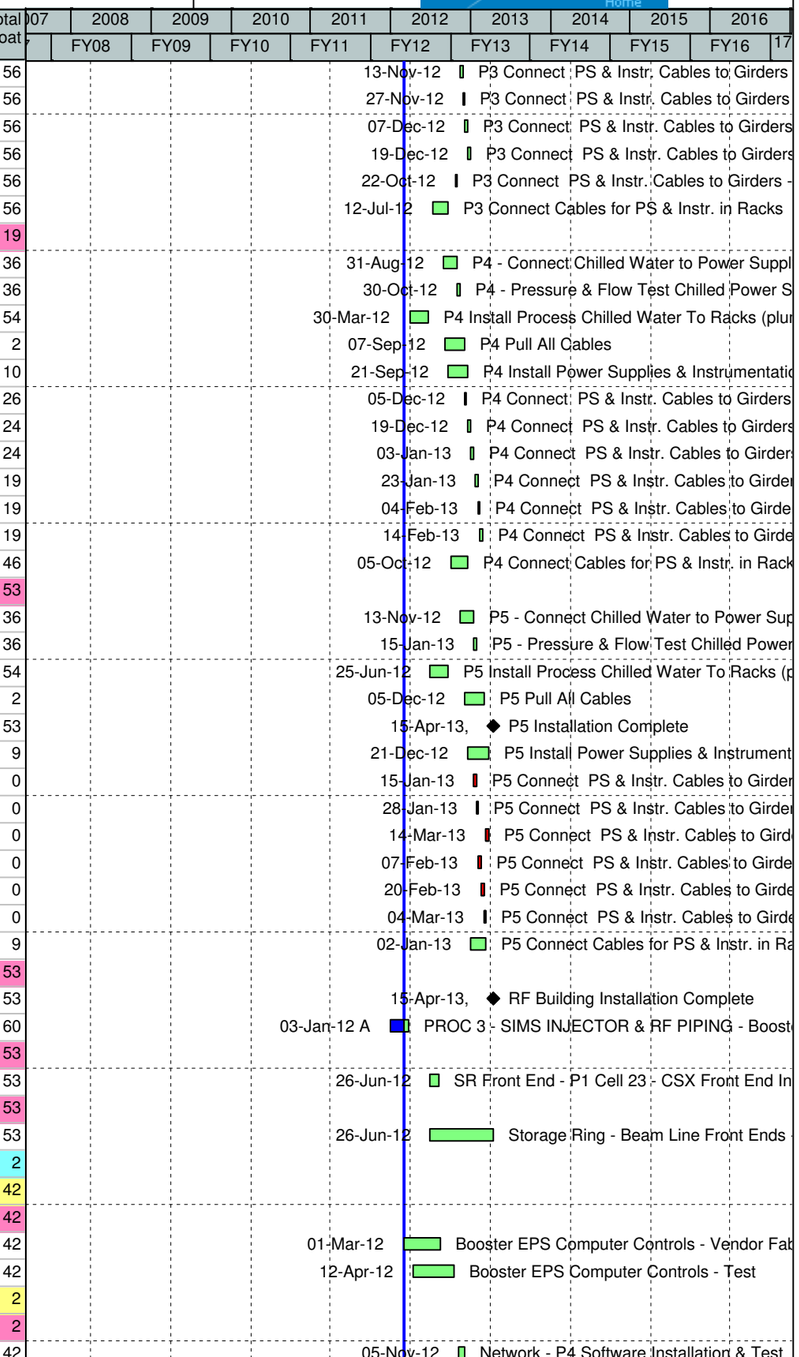
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.09.06	GBI-005-2040	Sub-system test Diagnostics - P5- Cell 20	5	19-Mar-13	25-Mar-13	3
1.03.04.09.06	GBI-005-2140	Sub-system test Diagnostics - P5- Cell 21	5	01-Mar-13	07-Mar-13	15
1.03.04.09.06	GBI-005-2240	Sub-system test Diagnostics - P5- Cell 22	5	12-Feb-13	19-Feb-13	27
Diagnostics - Front End Installation			8	24-Jan-13	04-Feb-13	52
Diagnostics - Front End Installation - Pentant 2			8	24-Jan-13	04-Feb-13	52
1.03.04.09.06	GBI-002-3050	Diagnostics Front End Install - P2 - Cell 30 SLM Diag	8	24-Jan-13	04-Feb-13	52
1.03.04.09.06	GBI-002-3060	Diagnostics Front End Install - P2 - Cell 30 SLM Hutch	8	24-Jan-13	04-Feb-13	52
RF System			105	27-Dec-12	28-May-13	3
1.03.04.09.08	ASR6245	SR RF LN2 System - Installation	60	27-Dec-12	25-Mar-13	3
1.03.04.09.08	ASR6255	SR RF Refridgerator Liquifier & RF Valve Box and Piping - Installation	40	28-Jan-13	25-Mar-13	3
1.03.04.09.08	ASR6300	SR RF Cavity & Component Installation - Cavity 1	20	19-Mar-13	15-Apr-13	33
1.03.04.09.08	ASR6310	SR Landau (Harmonic) Cavity & Component Installation	40	26-Mar-13	20-May-13	3
1.03.04.09.08	ASR6325	SR RF Straight Vacuum Chamber - Installation at Cell 24	15	07-May-13	28-May-13	3
Injection Straight (Injection Pulsed Magnets)			51	19-Dec-12	06-Mar-13	10
1.03.04.09.09	ASR6520	Injection Straight - Kickers - Install in Tunnel	5	19-Dec-12	27-Dec-12	38
1.03.04.09.09	ASR6530	Injection Straight - Septum - Install in Tunnel	4	31-Dec-12	04-Jan-13	33
1.03.04.09.09	ASR6540	Injection Straight - Install of transitions between magnets	5	07-Jan-13	11-Jan-13	36
1.03.04.09.09	ASR6545	Injection Straight - Install Vacuum Chambers & Pumps	4	08-Feb-13	13-Feb-13	10
1.03.04.09.09	ASR6550	Injection Straight - Install DC preseptum & correctors	5	07-Jan-13	11-Jan-13	36
1.03.04.09.09	ASR6560	Injection Straight - Cable Termination & Hookup	4	14-Feb-13	20-Feb-13	10
1.03.04.09.09	ASR6570	Injection Straight - Install of BSR TL Vacuum to Septum	3	21-Feb-13	25-Feb-13	12
1.03.04.09.09	ASR6580	Injection Straight - Install of BSR TL Section IV	5	21-Feb-13	27-Feb-13	10
1.03.04.09.09	ASR6590	Injection Straight - Magnet Alignment	5	28-Feb-13	06-Mar-13	10
1.03.04.09.09	ASR6600	Injection Straight - Install Complete - Ready for Integrated Testing	0		06-Mar-13	10
Pentant 1			170	22-Aug-11 A	19-Jul-12	53
1.03.04.09.02	ASR5200-100	P1 Pull All Cables Second Team	28	01-Feb-12 A	15-Mar-12	34
1.03.04.09.05	ASR5890	P1 Install Power Supplies & Instrumentation in Racks	60	22-Aug-11 A	19-Jul-12	53
1.03.04.09.05	ASR5910	P1 Connect Cables for PS & Instr. in Racks	50	16-Feb-12 A	26-Apr-12	56
Pentant 2			257	13-Sep-11 A	07-Dec-12	44
1.03.04.09.01	ASR4473-610	PROC 2 - SIMS PUMP SKIDS - PENTANT 2 - Install	14	13-Sep-11 A	15-Jun-12	36
1.03.04.09.01	ASR4473-620	PROC 2 - SIMS PUMP SKIDS - PENTANT 2 - Commissioning	5	11-Jun-12	15-Jun-12	36
1.03.04.09.01	ASR4755	PENTANT 2 - Install Vertical Water Drop	40	25-Apr-12	20-Jun-12	36
1.03.04.09.02	ASR4777	P2 - Connect Chilled Water to Power Supply Racks	40	14-Nov-11 A	20-Jun-12	36
1.03.04.09.02	ASR5320	P2 Pull All Cables	60	01-Dec-11 A	30-Apr-12	2
1.03.04.09.02	ASR5320-100	P2 Pull All Cables - Second Team	60	01-Feb-12 A	30-Apr-12	2
1.03.04.09.05	ASR5950	P2 Install Power Supplies & Instrumentation in Racks	60	14-Nov-11 A	18-Sep-12	11
1.03.04.09.05	ASR5970	P2 Connect Cables for PS & Instr. in Racks	50	30-Apr-12	10-Jul-12	56
1.03.04.09.05	ASR5975	P2 Install Main Dipole Power Supply	60	12-Sep-12	07-Dec-12	44
1.03.04.09.01	AXS6235-270	PROC 2 - SIMS PUMP SKIDS - PENTANT 2 - Complete	0		15-Jun-12	36
Pentant 3			251	04-Jan-12 A	03-Jan-13	56
1.03.04.09.02	ASR4822	P3 - Connect Chilled Water to Power Supply Racks	40	21-Jun-12	16-Aug-12	36
1.03.04.09.02	ASR4825	P3 - Pressure & Flow Test Chilled Power Supply Water	10	17-Aug-12	30-Aug-12	36
1.03.04.09.02	ASR5370	P3 Install AC Cable to Racks	60	04-Jan-12 A	29-Mar-12	45
1.03.04.09.02	ASR5370-100	P3 Install Process Chilled Water To Racks (plumbers)	60	01-Feb-12 A	29-Mar-12	54
1.03.04.09.02	ASR5380	P3 Pull All Cables	90	01-May-12	06-Sep-12	2
1.03.04.09.02	ASR5380-100	P3 Pull All Cables - Second Team	90	01-May-12	06-Sep-12	2
1.03.04.09.05	ASR5980	P3 Install Power Supplies & Instrumentation in Racks	60	25-Jun-12	18-Sep-12	11
1.03.04.09.05	ASR5990-005	P3 Connect PS & Instr. Cables to Girders - Cell 5	8	01-Nov-12	13-Nov-12	56



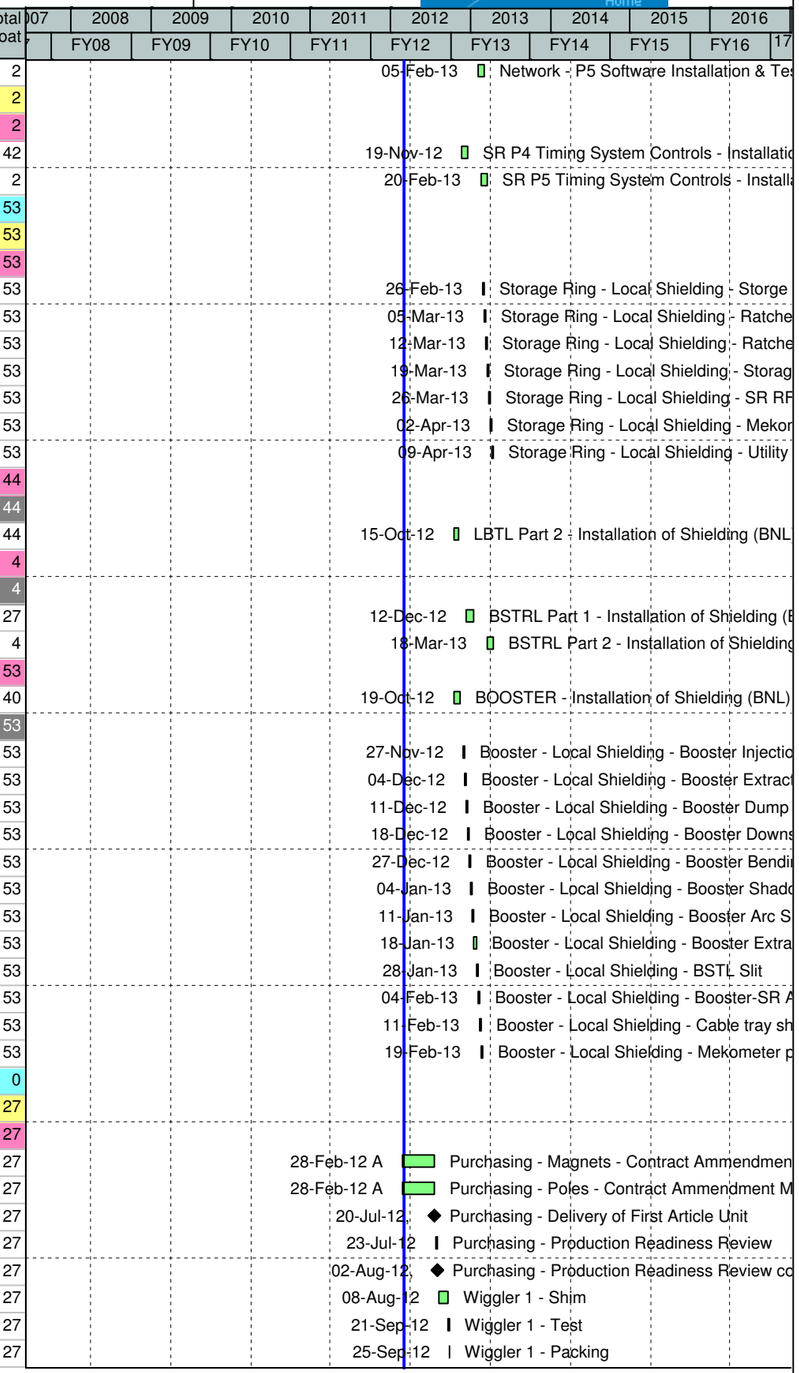
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.04.09.05	ASR5990-006	P3 Connect PS & Instr. Cables to Girders - Cell 6	8	13-Nov-12	27-Nov-12	56
1.03.04.09.05	ASR5990-007	P3 Connect PS & Instr. Cables to Girders - Cell 7	8	27-Nov-12	07-Dec-12	56
1.03.04.09.05	ASR5990-008	P3 Connect PS & Instr. Cables to Girders - Cell 8	8	07-Dec-12	19-Dec-12	56
1.03.04.09.05	ASR5990-009	P3 Connect PS & Instr. Cables to Girders - Cell 9	8	19-Dec-12	03-Jan-13	56
1.03.04.09.05	ASR5990-010	P3 Connect PS & Instr. Cables to Girders - Cell 10	8	22-Oct-12	01-Nov-12	56
1.03.04.09.05	ASR6000	P3 Connect Cables for PS & Instr. in Racks	50	12-Jul-12	20-Sep-12	56
Pentant 4			227	30-Mar-12	26-Feb-13	19
1.03.04.09.02	ASR4867	P4 - Connect Chilled Water to Power Supply Racks	40	31-Aug-12	29-Oct-12	36
1.03.04.09.02	ASR4870	P4 - Pressure & Flow Test Chilled Power Supply Water	10	30-Oct-12	12-Nov-12	36
1.03.04.09.02	ASR5415-100	P4 Install Process Chilled Water To Racks (plumbers)	60	30-Mar-12	22-Jun-12	54
1.03.04.09.02	ASR5420	P4 Pull All Cables	60	07-Sep-12	04-Dec-12	2
1.03.04.09.05	ASR6005	P4 Install Power Supplies & Instrumentation in Racks	60	21-Sep-12	18-Dec-12	10
1.03.04.09.05	ASR6010-011	P4 Connect PS & Instr. Cables to Girders - Cell 11	8	05-Dec-12	14-Dec-12	26
1.03.04.09.05	ASR6010-012	P4 Connect PS & Instr. Cables to Girders - Cell 12	8	19-Dec-12	02-Jan-13	24
1.03.04.09.05	ASR6010-013	P4 Connect PS & Instr. Cables to Girders - Cell 13	8	03-Jan-13	14-Jan-13	24
1.03.04.09.05	ASR6010-014	P4 Connect PS & Instr. Cables to Girders - Cell 14	8	23-Jan-13	01-Feb-13	19
1.03.04.09.05	ASR6010-015	P4 Connect PS & Instr. Cables to Girders - Cell 15	8	04-Feb-13	13-Feb-13	19
1.03.04.09.05	ASR6010-016	P4 Connect PS & Instr. Cables to Girders - Cell 16	8	14-Feb-13	26-Feb-13	19
1.03.04.09.05	ASR6015	P4 Connect Cables for PS & Instr. in Racks	50	05-Oct-12	18-Dec-12	46
Pentant 5			201	25-Jun-12	15-Apr-13	53
1.03.04.09.02	ASR4912	P5 - Connect Chilled Water to Power Supply Racks	40	13-Nov-12	14-Jan-13	36
1.03.04.09.02	ASR4915	P5 - Pressure & Flow Test Chilled Power Supply Water	10	15-Jan-13	29-Jan-13	36
1.03.04.09.02	ASR5445-100	P5 Install Process Chilled Water To Racks (plumbers)	60	25-Jun-12	18-Sep-12	54
1.03.04.09.02	ASR5450	P5 Pull All Cables	60	05-Dec-12	05-Mar-13	2
1.03.04.09	ASR5723	P5 Installation Complete	0		15-Apr-13	53
1.03.04.09.05	ASR6025	P5 Install Power Supplies & Instrumentation in Racks	60	21-Dec-12	21-Mar-13	9
1.03.04.09.05	ASR6030-017	P5 Connect PS & Instr. Cables to Girders - Cell 17	8	15-Jan-13	25-Jan-13	0
1.03.04.09.05	ASR6030-018	P5 Connect PS & Instr. Cables to Girders - Cell 18	8	28-Jan-13	06-Feb-13	0
1.03.04.09.05	ASR6030-019	P5 Connect PS & Instr. Cables to Girders - Cell 19	8	14-Mar-13	25-Mar-13	0
1.03.04.09.05	ASR6030-020	P5 Connect PS & Instr. Cables to Girders - Cell 20	8	07-Feb-13	19-Feb-13	0
1.03.04.09.05	ASR6030-021	P5 Connect PS & Instr. Cables to Girders - Cell 21	8	20-Feb-13	01-Mar-13	0
1.03.04.09.05	ASR6030-022	P5 Connect PS & Instr. Cables to Girders - Cell 22	8	04-Mar-13	13-Mar-13	0
1.03.04.09.05	ASR6035	P5 Connect Cables for PS & Instr. in Racks	50	02-Jan-13	14-Mar-13	9
RF Building			322	03-Jan-12 A	15-Apr-13	53
1.03.04.09	ASR5758	RF Building Installation Complete	0		15-Apr-13	53
1.03.04.09.01	AXS6240-130	PROC 3 - SIMS INJECTOR & RF PIPING - Booster Ring Tunnel Install	36	03-Jan-12 A	23-Mar-12	60
Storage Ring IVU			30	26-Jun-12	07-Aug-12	53
1.03.04.09.07	ASR6220	SR Front End - P1 Cell 23 - CSX Front End Installation	30	26-Jun-12	07-Aug-12	53
No Work Organization			200	26-Jun-12	15-Apr-13	53
1.03.04.09.07	ASR16000	Storage Ring - Beam Line Front Ends - Install Material and Tooling	200	26-Jun-12	15-Apr-13	53
Controls Systems			263	01-Mar-12	19-Mar-13	2
EPS Computer Controls			160	01-Mar-12	16-Oct-12	42
Booster Computer Controls			160	01-Mar-12	16-Oct-12	42
1.03.05.09.02	ACS5565	Booster EPS Computer Controls - Vendor Fabrication Support (material)	120	01-Mar-12	17-Aug-12	42
1.03.05.09.02	ACS5570	Booster EPS Computer Controls - Test	130	12-Apr-12	16-Oct-12	42
Operations Applications			80	05-Nov-12	05-Mar-13	2
Network Development			80	05-Nov-12	05-Mar-13	2
1.03.05.11	ACS5770-270	Network - P4 Software Installation & Test	20	05-Nov-12	04-Dec-12	42



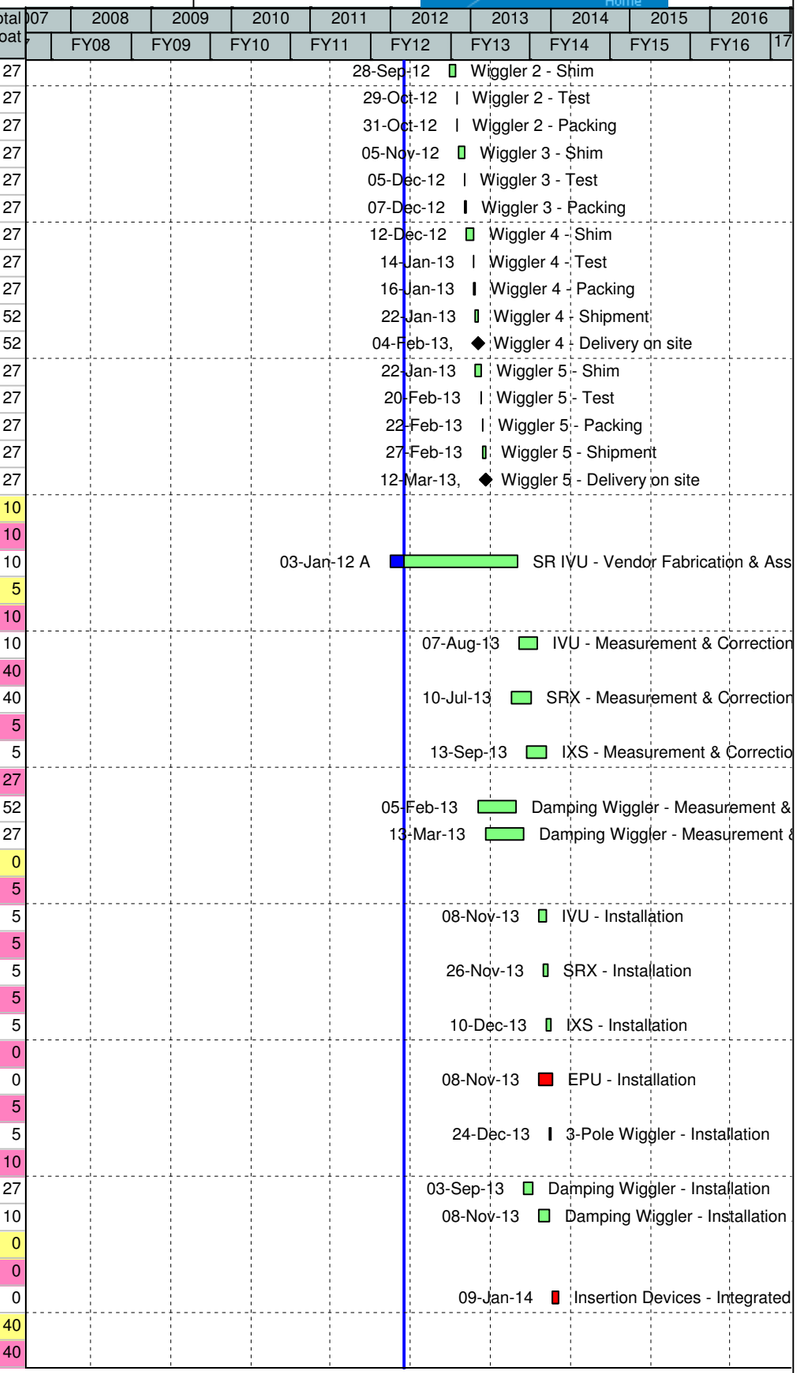
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.05.11	ACS5770-280	Network - P5 Software Installation & Test	20	05-Feb-13	05-Mar-13	2
Timing System			80	19-Nov-12	19-Mar-13	2
No Work Organization			80	19-Nov-12	19-Mar-13	2
1.03.05.12.03	ACS5990	SR P4 Timing System Controls - Installation and Test	20	19-Nov-12	18-Dec-12	42
1.03.05.12.03	ACS5995	SR P5 Timing System Controls - Installation and Test	20	20-Feb-13	19-Mar-13	2
Accelerator Safety Systems			124	15-Oct-12	15-Apr-13	53
Local Shielding			124	15-Oct-12	15-Apr-13	53
Storage Ring			35	26-Feb-13	15-Apr-13	53
1.03.06.04	AAS1160-100	Storage Ring - Local Shielding - Storge Ring Injection Septum	5	26-Feb-13	04-Mar-13	53
1.03.06.04	AAS1160-120	Storage Ring - Local Shielding - Ratchet Wall Collimators	5	05-Mar-13	11-Mar-13	53
1.03.06.04	AAS1160-140	Storage Ring - Local Shielding - Ratchet Wall Plug	5	12-Mar-13	18-Mar-13	53
1.03.06.04	AAS1160-160	Storage Ring - Local Shielding - Storage Ring Scrapers	5	19-Mar-13	25-Mar-13	53
1.03.06.04	AAS1160-180	Storage Ring - Local Shielding - SR RF Wave Guide	5	26-Mar-13	01-Apr-13	53
1.03.06.04	AAS1160-200	Storage Ring - Local Shielding - Mekometer port shielding	5	02-Apr-13	08-Apr-13	53
1.03.06.04	AAS1160-220	Storage Ring - Local Shielding - Utility penetration shielding	5	09-Apr-13	15-Apr-13	53
Linac To Booster Transport Line			20	15-Oct-12	09-Nov-12	44
LBTL Installation			20	15-Oct-12	09-Nov-12	44
1.03.06.04	AXS6770	LBTL Part 2 - Installation of Shielding (BNL)	20	15-Oct-12	09-Nov-12	44
Booster to Storage Ring Transport Line			83	12-Dec-12	12-Apr-13	4
BSRTL Installation			83	12-Dec-12	12-Apr-13	4
1.03.06.04	AXS6780	BSTRL Part 1 - Installation of Shielding (BNL)	20	12-Dec-12	11-Jan-13	27
1.03.06.04	AXS6790	BSTRL Part 2 - Installation of Shielding (BNL)	20	18-Mar-13	12-Apr-13	4
Injector System Installation			85	19-Oct-12	25-Feb-13	53
1.03.06.04	AXS6760	BOOSTER - Installation of Shielding (BNL)	20	19-Oct-12	15-Nov-12	40
Booster Installation			60	27-Nov-12	25-Feb-13	53
1.03.06.04	AAS1155-100	Booster - Local Shielding - Booster Injection Septum	5	27-Nov-12	03-Dec-12	53
1.03.06.04	AAS1155-120	Booster - Local Shielding - Booster Extraction Septum	5	04-Dec-12	10-Dec-12	53
1.03.06.04	AAS1155-140	Booster - Local Shielding - Booster Dump	5	11-Dec-12	17-Dec-12	53
1.03.06.04	AAS1155-160	Booster - Local Shielding - Booster Downstream Wall	5	18-Dec-12	26-Dec-12	53
1.03.06.04	AAS1155-180	Booster - Local Shielding - Booster Bending Magnet	5	27-Dec-12	03-Jan-13	53
1.03.06.04	AAS1155-200	Booster - Local Shielding - Booster Shadow Shields	5	04-Jan-13	10-Jan-13	53
1.03.06.04	AAS1155-210	Booster - Local Shielding - Booster Arc Shield	5	11-Jan-13	17-Jan-13	53
1.03.06.04	AAS1155-220	Booster - Local Shielding - Booster Extraction Kicker	5	18-Jan-13	25-Jan-13	53
1.03.06.04	AAS1155-240	Booster - Local Shielding - BSTL Slit	5	28-Jan-13	01-Feb-13	53
1.03.06.04	AAS1155-260	Booster - Local Shielding - Booster-SR Alcove Joint	5	04-Feb-13	08-Feb-13	53
1.03.06.04	AAS1155-280	Booster - Local Shielding - Cable tray shielding	5	11-Feb-13	15-Feb-13	53
1.03.06.04	AAS1155-300	Booster - Local Shielding - Mekometer port shielding	5	19-Feb-13	25-Feb-13	53
Insertion Devices			505	03-Jan-12 A	06-Feb-14	0
Damping Wiggler			258	28-Feb-12 A	12-Mar-13	27
No Work Organization			258	28-Feb-12 A	12-Mar-13	27
1.03.07.01	AXD1205-425	Purchasing - Magnets - Contract Ammendment Material Increase	100	28-Feb-12 A	20-Jul-12	27
1.03.07.01	AXD1205-435	Purchasing - Poles - Contract Ammendment Material Increase	100	28-Feb-12 A	20-Jul-12	27
1.03.07.01	AXD1205-490	Purchasing - Delivery of First Article Unit	0		20-Jul-12	27
1.03.07.01	AXD1205-493	Purchasing - Production Readiness Review	9	23-Jul-12	02-Aug-12	27
1.03.07.01	AXD1205-495	Purchasing - Production Readiness Review complete	0		02-Aug-12	27
1.03.07.01	AXD1205-510	Wiggler 1 - Shim	31	08-Aug-12	20-Sep-12	27
1.03.07.01	AXD1205-520	Wiggler 1 - Test	2	21-Sep-12	24-Sep-12	27
1.03.07.01	AXD1205-530	Wiggler 1 - Packing	3	25-Sep-12	27-Sep-12	27



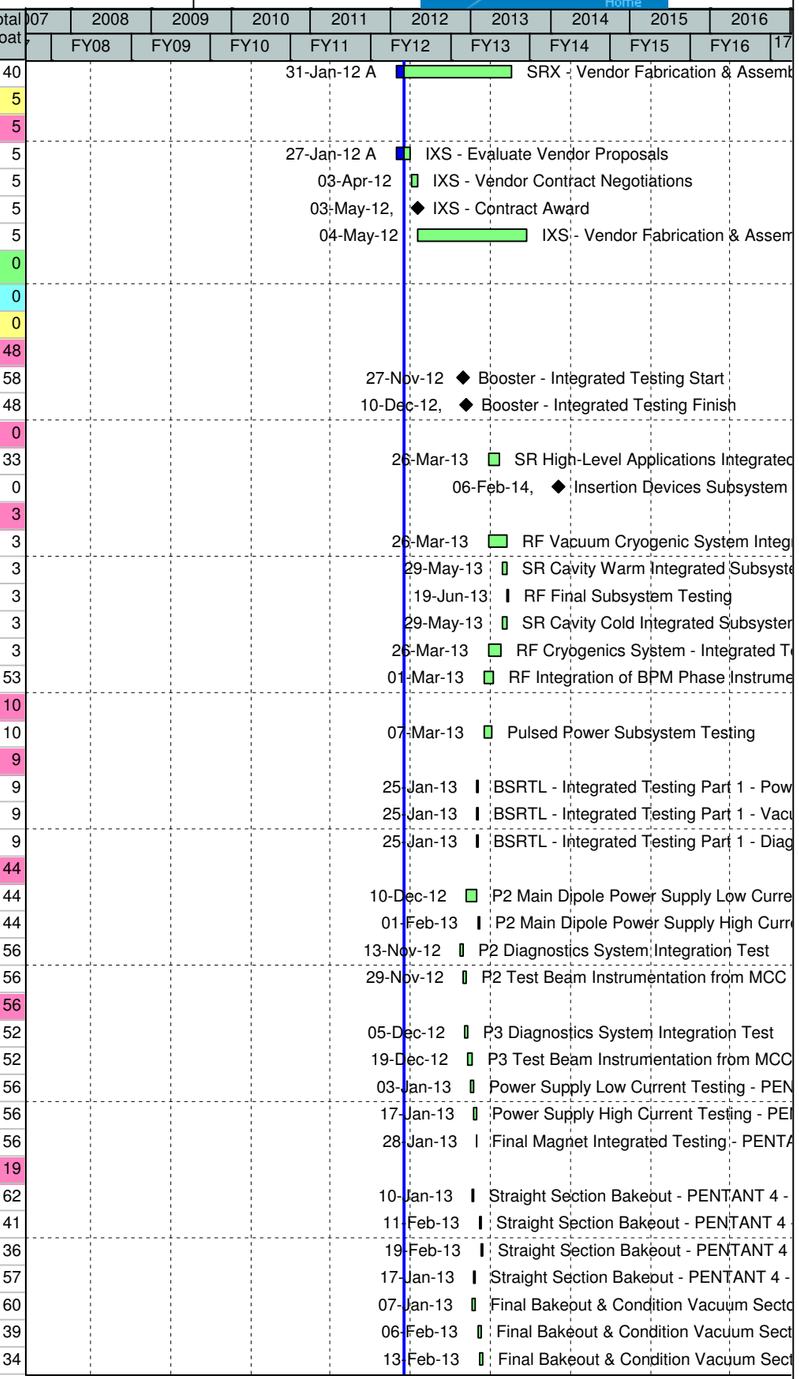
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.07.01	AXD1205-610	Wiggler 2 - Shim	20	28-Sep-12	26-Oct-12	27
1.03.07.01	AXD1205-620	Wiggler 2 - Test	2	29-Oct-12	30-Oct-12	27
1.03.07.01	AXD1205-630	Wiggler 2 - Packing	3	31-Oct-12	02-Nov-12	27
1.03.07.01	AXD1205-710	Wiggler 3 - Shim	20	05-Nov-12	04-Dec-12	27
1.03.07.01	AXD1205-720	Wiggler 3 - Test	2	05-Dec-12	06-Dec-12	27
1.03.07.01	AXD1205-730	Wiggler 3 - Packing	3	07-Dec-12	11-Dec-12	27
1.03.07.01	AXD1205-810	Wiggler 4 - Shim	20	12-Dec-12	11-Jan-13	27
1.03.07.01	AXD1205-820	Wiggler 4 - Test	2	14-Jan-13	15-Jan-13	27
1.03.07.01	AXD1205-830	Wiggler 4 - Packing	3	16-Jan-13	18-Jan-13	27
1.03.07.01	AXD1205-840	Wiggler 4 - Shipment	10	22-Jan-13	04-Feb-13	52
1.03.07.01	AXD1205-850	Wiggler 4 - Delivery on site	0		04-Feb-13	52
1.03.07.01	AXD1205-910	Wiggler 5 - Shim	20	22-Jan-13	19-Feb-13	27
1.03.07.01	AXD1205-920	Wiggler 5 - Test	2	20-Feb-13	21-Feb-13	27
1.03.07.01	AXD1205-930	Wiggler 5 - Packing	3	22-Feb-13	26-Feb-13	27
1.03.07.01	AXD1205-940	Wiggler 5 - Shipment	10	27-Feb-13	12-Mar-13	27
1.03.07.01	AXD1205-950	Wiggler 5 - Delivery on site	0		12-Mar-13	27
IVU			360	03-Jan-12 A	06-Aug-13	10
Storage Ring IVU			360	03-Jan-12 A	06-Aug-13	10
1.03.07.02	AXD2105	SR IVU - Vendor Fabrication & Assembly	360	03-Jan-12 A	06-Aug-13	10
Measurement & Correction			212	05-Feb-13	09-Dec-13	5
Storage Ring IVU			60	07-Aug-13	31-Oct-13	10
1.03.07.05	AXD5120	IVU - Measurement & Correction	60	07-Aug-13	31-Oct-13	10
Storage Ring SRX			60	10-Jul-13	02-Oct-13	40
1.03.07.05	AXD5310	SRX - Measurement & Correction	60	10-Jul-13	02-Oct-13	40
Storage Ring IXS			59	13-Sep-13	09-Dec-13	5
1.03.07.05	AXD5320	IXS - Measurement & Correction	59	13-Sep-13	09-Dec-13	5
Storage Ring Damping Wiggler			145	05-Feb-13	30-Aug-13	27
1.03.07.05	AXD5100-130	Damping Wiggler - Measurement & Correction - Wiggler 4	120	05-Feb-13	26-Jul-13	52
1.03.07.05	AXD5100-140	Damping Wiggler - Measurement & Correction - Wiggler 5	120	13-Mar-13	30-Aug-13	27
ID Installation			87	03-Sep-13	08-Jan-14	0
Storage Ring IVU			20	08-Nov-13	09-Dec-13	5
1.03.07.06	AXD6125	IVU - Installation	20	08-Nov-13	09-Dec-13	5
Storage Ring SRX			15	26-Nov-13	16-Dec-13	5
1.03.07.06	AXD6130	SRX - Installation	15	26-Nov-13	16-Dec-13	5
Storage Ring IXS			15	10-Dec-13	31-Dec-13	5
1.03.07.06	AXD6140	IXS - Installation	15	10-Dec-13	31-Dec-13	5
Storage Ring EPU			40	08-Nov-13	08-Jan-14	0
1.03.07.06	AXD6120	EPU - Installation	40	08-Nov-13	08-Jan-14	0
Storage Ring 3-Pole Wiggler			5	24-Dec-13	31-Dec-13	5
1.03.07.06	AXD6150	3-Pole Wiggler - Installation	5	24-Dec-13	31-Dec-13	5
Storage Ring Damping Wiggler			77	03-Sep-13	23-Dec-13	10
1.03.07.06	AXD5800	Damping Wiggler - Installation	30	03-Sep-13	14-Oct-13	27
1.03.07.06	AXD5810	Damping Wiggler - Installation After Storage Ring w/o ID Commissioning	30	08-Nov-13	23-Dec-13	10
Integrated Test			20	09-Jan-14	06-Feb-14	0
Integrated Testing			20	09-Jan-14	06-Feb-14	0
1.03.07.07	AXD7100	Insertion Devices - Integrated Test	20	09-Jan-14	06-Feb-14	0
SRX			340	31-Jan-12 A	09-Jul-13	40
Storage Ring SRX			340	31-Jan-12 A	09-Jul-13	40



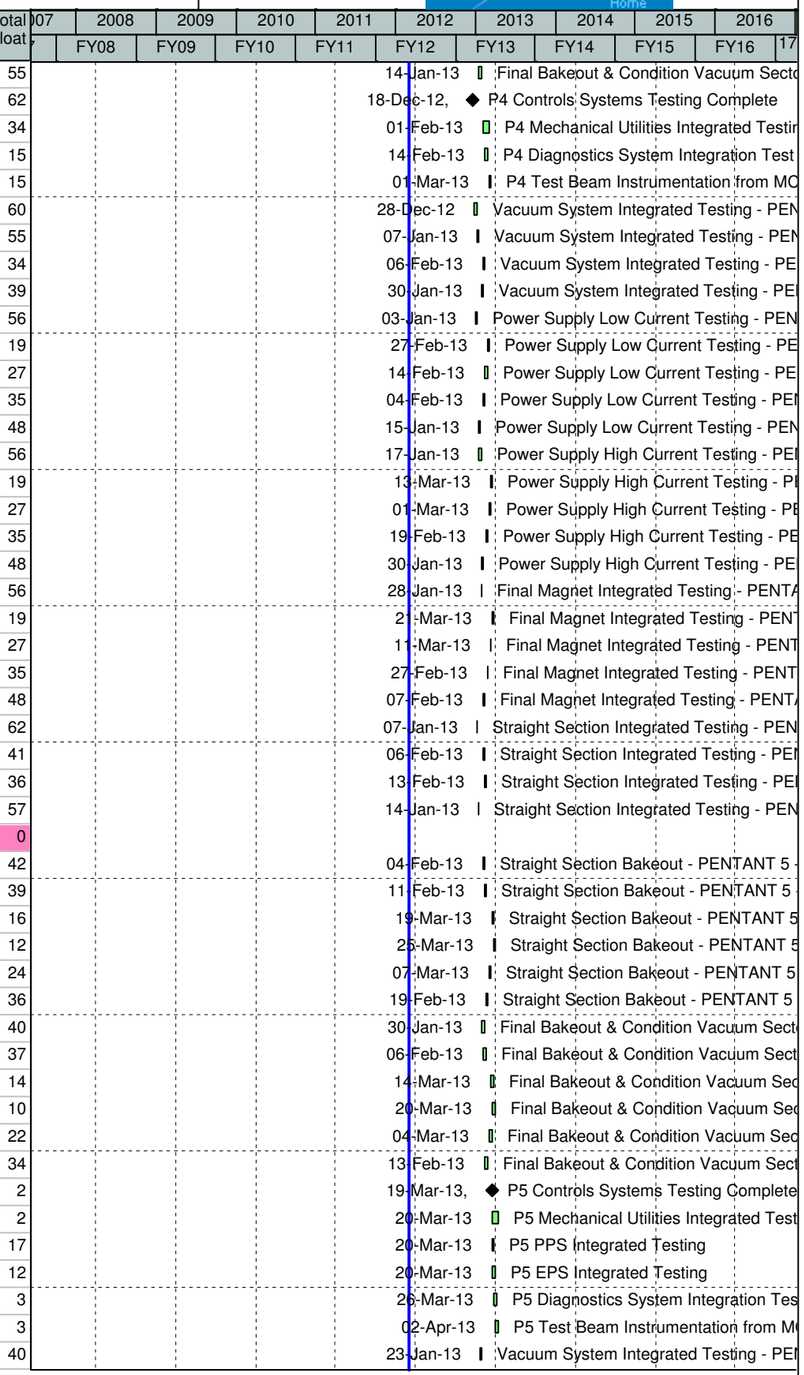
(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.03.07.08	AXD2120-010	SRX - Vendor Fabrication & Assembly	340	31-Jan-12 A	09-Jul-13	40
IXS			394	27-Jan-12 A	12-Sep-13	5
Storage Ring IXS			394	27-Jan-12 A	12-Sep-13	5
1.03.07.09	AXD2137-035	IXS - Evaluate Vendor Proposals	23	27-Jan-12 A	02-Apr-12	5
1.03.07.09	AXD2137-045	IXS - Vendor Contract Negotiations	23	03-Apr-12	03-May-12	5
1.03.07.09	AXD2139	IXS - Contract Award	0		03-May-12	5
1.03.07.09	AXD2140	IXS - Vendor Fabrication & Assembly	340	04-May-12	12-Sep-13	5
Pre-Operations			356	13-Nov-12	18-Apr-14	0
Accelerator Systems - Pre Ops			356	13-Nov-12	18-Apr-14	0
Accelerator Integrated Testing			306	13-Nov-12	06-Feb-14	0
Booster Ring - Vendor Contract Award Schedule			10	27-Nov-12	10-Dec-12	48
1.06.02.04.01	PUP1199	Booster - Integrated Testing Start	0	27-Nov-12		58
1.06.02.04.01	PUP1231	Booster - Integrated Testing Finish	0		10-Dec-12	48
All Subsystems			218	26-Mar-13	06-Feb-14	0
1.06.02.04.02	PUP1375	SR High-Level Applications Integrated Subsystem Testing	35	26-Mar-13	13-May-13	33
1.06.02.04.02	PUP1420	Insertion Devices Subsystem Testing	0		06-Feb-14	0
RF System			82	01-Mar-13	25-Jun-13	3
1.06.02.04.02	PUP1135	RF Vacuum Cryogenic System Integrated Testing	60	26-Mar-13	18-Jun-13	3
1.06.02.04.02	PUP1265	SR Cavity Warm Integrated Subsystem Testing & Conditioning	15	29-May-13	18-Jun-13	3
1.06.02.04.02	PUP1410	RF Final Subsystem Testing	5	19-Jun-13	25-Jun-13	3
1.06.02.04.02	PUP1510	SR Cavity Cold Integrated Subsystem Testing & Conditioning	15	29-May-13	18-Jun-13	3
1.06.02.04.02	PUP1530	RF Cryogenics System - Integrated Testing w/o Cavity	40	26-Mar-13	20-May-13	3
1.06.02.04.02	PUP2000	RF Integration of BPM Phase Instrumentation	32	01-Mar-13	15-Apr-13	53
Injection Straight (Injection Pulsed Magnets)			21	07-Mar-13	04-Apr-13	10
1.06.02.04.02	PUP1505	Pulsed Power Subsystem Testing	21	07-Mar-13	04-Apr-13	10
Booster to Storage Ring Transport Line			10	25-Jan-13	07-Feb-13	9
1.06.02.04.01	PUP1144-100	BSRTL - Integrated Testing Part 1 - Power Supplies	10	25-Jan-13	07-Feb-13	9
1.06.02.04.01	PUP1144-200	BSRTL - Integrated Testing Part 1 - Vacuum Systems	10	25-Jan-13	07-Feb-13	9
1.06.02.04.01	PUP1144-300	BSRTL - Integrated Testing Part 1 - Diagnostics	10	25-Jan-13	07-Feb-13	9
Pentant 2			62	13-Nov-12	14-Feb-13	44
1.06.02.04.02	PUP1447	P2 Main Dipole Power Supply Low Current Testing	35	10-Dec-12	31-Jan-13	44
1.06.02.04.02	PUP1452	P2 Main Dipole Power Supply High Current Testing	10	01-Feb-13	14-Feb-13	44
1.06.02.04.02	PUP4620	P2 Diagnostics System Integration Test	10	13-Nov-12	29-Nov-12	56
1.06.02.04.02	PUP4720	P2 Test Beam Instrumentation from MCC	10	29-Nov-12	13-Dec-12	56
Pentant 3			37	05-Dec-12	30-Jan-13	56
1.06.02.04.02	PUP4630	P3 Diagnostics System Integration Test	10	05-Dec-12	18-Dec-12	52
1.06.02.04.02	PUP4730	P3 Test Beam Instrumentation from MCC	10	19-Dec-12	04-Jan-13	52
1.06.02.04.02	PUP5350	Power Supply Low Current Testing - PENTANT 3 - Cell 9	6	03-Jan-13	11-Jan-13	56
1.06.02.04.02	PUP5650	Power Supply High Current Testing - PENTANT 3 - Cell 9	6	17-Jan-13	28-Jan-13	56
1.06.02.04.02	PUP5950	Final Magnet Integrated Testing - PENTANT 3 - Cell 9	2	28-Jan-13	30-Jan-13	56
Pentant 4			63	18-Dec-12	22-Mar-13	19
1.06.02.04.02	GSB-004-1200	Straight Section Bakeout - PENTANT 4 - Cell 12	5	10-Jan-13	16-Jan-13	62
1.06.02.04.02	GSB-004-1400	Straight Section Bakeout - PENTANT 4 - Cell 14	5	11-Feb-13	15-Feb-13	41
1.06.02.04.02	GSB-004-1500	Straight Section Bakeout - PENTANT 4 - Cell 15	5	19-Feb-13	25-Feb-13	36
1.06.02.04.02	GSB-004-1600	Straight Section Bakeout - PENTANT 4 - Cell 16	5	17-Jan-13	24-Jan-13	57
1.06.02.04.02	PUP-004-1200	Final Bakeout & Condition Vacuum Sectors - PENTANT 4 - Cell 12	10	07-Jan-13	18-Jan-13	60
1.06.02.04.02	PUP-004-1400	Final Bakeout & Condition Vacuum Sectors - PENTANT 4 - Cell 14	10	06-Feb-13	20-Feb-13	39
1.06.02.04.02	PUP-004-1500	Final Bakeout & Condition Vacuum Sectors - PENTANT 4 - Cell 15	10	13-Feb-13	27-Feb-13	34



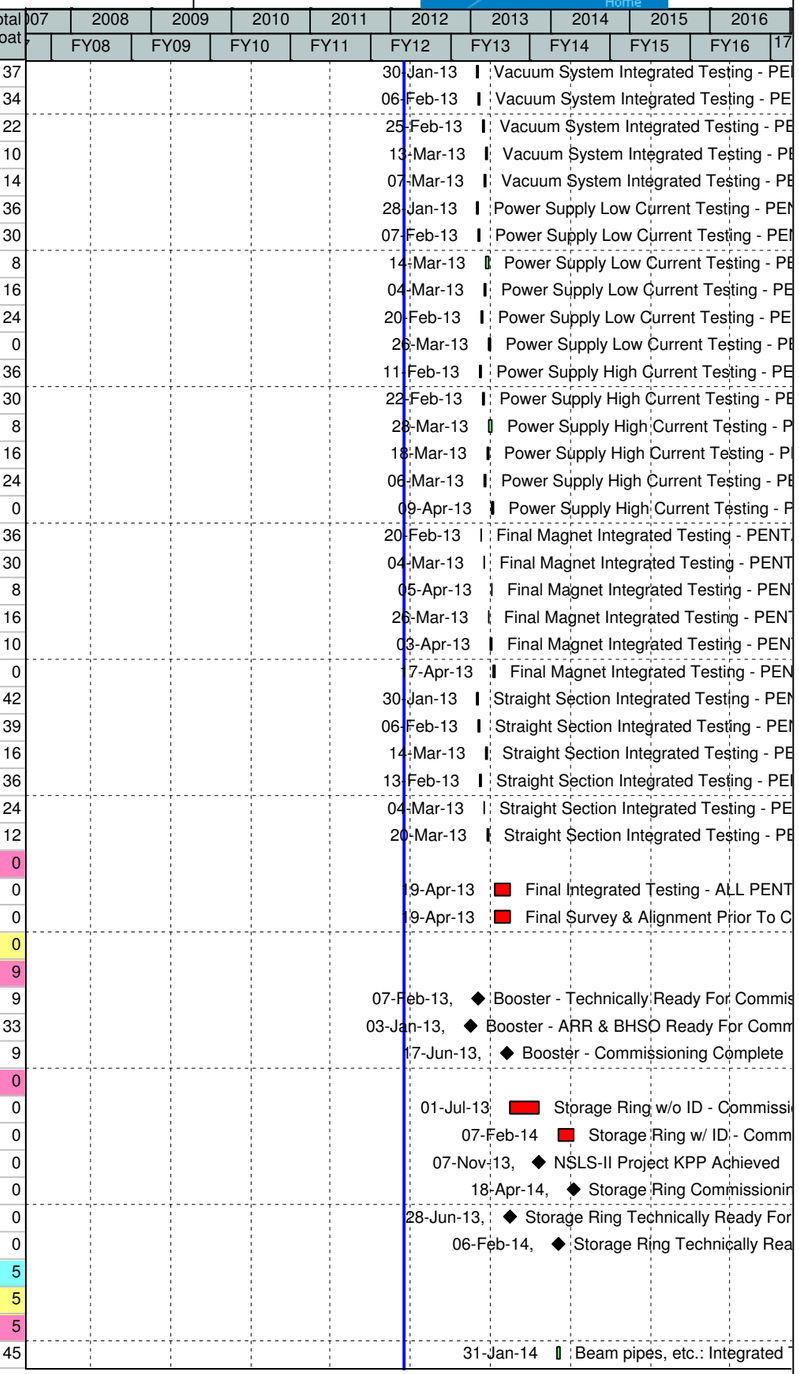
(B) NSLS-II - Near Critical Path

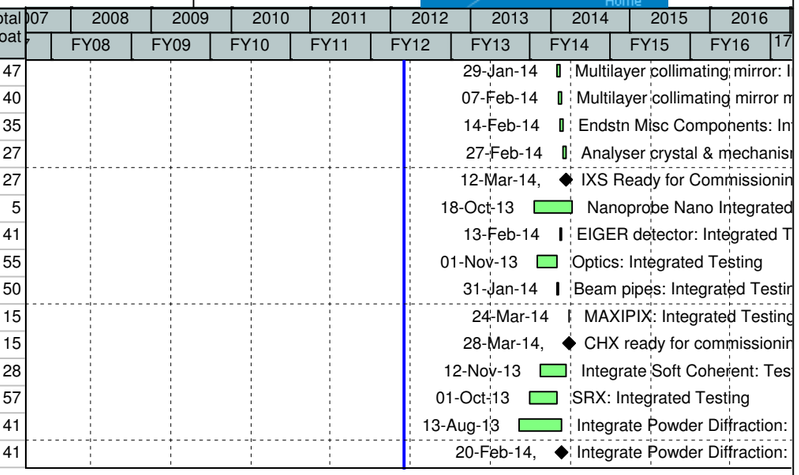
NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.06.02.04.02	PUP-004-1600	Final Bakeout & Condition Vacuum Sectors - PENTANT 4 - Cell 16	10	14-Jan-13	28-Jan-13	55
1.06.02.04.02	PUP4040	P4 Controls Systems Testing Complete	0		18-Dec-12	62
1.06.02.04.02	PUP4140	P4 Mechanical Utilities Integrated Testing	20	01-Feb-13	01-Mar-13	34
1.06.02.04.02	PUP4640	P4 Diagnostics System Integration Test	10	14-Feb-13	28-Feb-13	15
1.06.02.04.02	PUP4740	P4 Test Beam Instrumentation from MCC	10	01-Mar-13	14-Mar-13	15
1.06.02.04.02	PUP4990	Vacuum System Integrated Testing - PENTANT 4 - Cell 12	5	28-Dec-12	04-Jan-13	60
1.06.02.04.02	PUP5000	Vacuum System Integrated Testing - PENTANT 4 - Cell 16	5	07-Jan-13	11-Jan-13	55
1.06.02.04.02	PUP5010	Vacuum System Integrated Testing - PENTANT 4 - Cell 15	5	06-Feb-13	12-Feb-13	34
1.06.02.04.02	PUP5020	Vacuum System Integrated Testing - PENTANT 4 - Cell 14	5	30-Jan-13	05-Feb-13	39
1.06.02.04.02	PUP5390	Power Supply Low Current Testing - PENTANT 4 - Cell 12	6	03-Jan-13	10-Jan-13	56
1.06.02.04.02	PUP5400	Power Supply Low Current Testing - PENTANT 4 - Cell 16	6	27-Feb-13	06-Mar-13	19
1.06.02.04.02	PUP5410	Power Supply Low Current Testing - PENTANT 4 - Cell 15	6	14-Feb-13	22-Feb-13	27
1.06.02.04.02	PUP5420	Power Supply Low Current Testing - PENTANT 4 - Cell 14	6	04-Feb-13	11-Feb-13	35
1.06.02.04.02	PUP5430	Power Supply Low Current Testing - PENTANT 4 - Cell 13	6	15-Jan-13	23-Jan-13	48
1.06.02.04.02	PUP5690	Power Supply High Current Testing - PENTANT 4 - Cell 12	6	17-Jan-13	25-Jan-13	56
1.06.02.04.02	PUP5700	Power Supply High Current Testing - PENTANT 4 - Cell 16	6	13-Mar-13	20-Mar-13	19
1.06.02.04.02	PUP5710	Power Supply High Current Testing - PENTANT 4 - Cell 15	6	01-Mar-13	08-Mar-13	27
1.06.02.04.02	PUP5720	Power Supply High Current Testing - PENTANT 4 - Cell 14	6	19-Feb-13	26-Feb-13	35
1.06.02.04.02	PUP5730	Power Supply High Current Testing - PENTANT 4 - Cell 13	6	30-Jan-13	06-Feb-13	48
1.06.02.04.02	PUP5990	Final Magnet Integrated Testing - PENTANT 4 - Cell 12	2	28-Jan-13	29-Jan-13	56
1.06.02.04.02	PUP6000	Final Magnet Integrated Testing - PENTANT 4 - Cell 16	2	21-Mar-13	22-Mar-13	19
1.06.02.04.02	PUP6010	Final Magnet Integrated Testing - PENTANT 4 - Cell 15	2	11-Mar-13	12-Mar-13	27
1.06.02.04.02	PUP6020	Final Magnet Integrated Testing - PENTANT 4 - Cell 14	2	27-Feb-13	28-Feb-13	35
1.06.02.04.02	PUP6030	Final Magnet Integrated Testing - PENTANT 4 - Cell 13	2	07-Feb-13	08-Feb-13	48
1.06.02.04.02	PUP8900	Straight Section Integrated Testing - PENTANT 4 - Cell 12	3	07-Jan-13	09-Jan-13	62
1.06.02.04.02	PUP9100	Straight Section Integrated Testing - PENTANT 4 - Cell 14	3	06-Feb-13	08-Feb-13	41
1.06.02.04.02	PUP9200	Straight Section Integrated Testing - PENTANT 4 - Cell 15	3	13-Feb-13	15-Feb-13	36
1.06.02.04.02	PUP9300	Straight Section Integrated Testing - PENTANT 4 - Cell 16	3	14-Jan-13	16-Jan-13	57
Pentant 5			61	23-Jan-13	18-Apr-13	0
1.06.02.04.02	GSB-005-1700	Straight Section Bakeout - PENTANT 5 - Cell 17	5	04-Feb-13	08-Feb-13	42
1.06.02.04.02	GSB-005-1800	Straight Section Bakeout - PENTANT 5 - Cell 18	5	11-Feb-13	15-Feb-13	39
1.06.02.04.02	GSB-005-1900	Straight Section Bakeout - PENTANT 5 - Cell 19	5	19-Mar-13	25-Mar-13	16
1.06.02.04.02	GSB-005-2000	Straight Section Bakeout - PENTANT 5 - Cell 20	5	25-Mar-13	29-Mar-13	12
1.06.02.04.02	GSB-005-2100	Straight Section Bakeout - PENTANT 5 - Cell 21	5	07-Mar-13	13-Mar-13	24
1.06.02.04.02	GSB-005-2200	Straight Section Bakeout - PENTANT 5 - Cell 22	5	19-Feb-13	25-Feb-13	36
1.06.02.04.02	PUP-005-1700	Final Bakeout & Condition Vacuum Sectors - PENTANT 5 - Cell 17	10	30-Jan-13	12-Feb-13	40
1.06.02.04.02	PUP-005-1800	Final Bakeout & Condition Vacuum Sectors - PENTANT 5 - Cell 18	10	06-Feb-13	20-Feb-13	37
1.06.02.04.02	PUP-005-1900	Final Bakeout & Condition Vacuum Sectors - PENTANT 5 - Cell 19	10	14-Mar-13	27-Mar-13	14
1.06.02.04.02	PUP-005-2000	Final Bakeout & Condition Vacuum Sectors - PENTANT 5 - Cell 20	10	20-Mar-13	02-Apr-13	10
1.06.02.04.02	PUP-005-2100	Final Bakeout & Condition Vacuum Sectors - PENTANT 5 - Cell 21	10	04-Mar-13	15-Mar-13	22
1.06.02.04.02	PUP-005-2200	Final Bakeout & Condition Vacuum Sectors - PENTANT 5 - Cell 22	10	13-Feb-13	27-Feb-13	34
1.06.02.04.02	PUP4050	P5 Controls Systems Testing Complete	0		19-Mar-13	2
1.06.02.04.02	PUP4150	P5 Mechanical Utilities Integrated Testing	20	20-Mar-13	16-Apr-13	2
1.06.02.04.02	PUP4450	P5 PPS Integrated Testing	5	20-Mar-13	26-Mar-13	17
1.06.02.04.02	PUP4550	P5 EPS Integrated Testing	10	20-Mar-13	02-Apr-13	12
1.06.02.04.02	PUP4650	P5 Diagnostics System Integration Test	10	26-Mar-13	08-Apr-13	3
1.06.02.04.02	PUP4750	P5 Test Beam Instrumentation from MCC	10	02-Apr-13	15-Apr-13	3
1.06.02.04.02	PUP5040	Vacuum System Integrated Testing - PENTANT 5 - Cell 17	5	23-Jan-13	29-Jan-13	40



(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.06.02.04.02	PUP5050	Vacuum System Integrated Testing - PENTANT 5 - Cell 18	5	30-Jan-13	05-Feb-13	37
1.06.02.04.02	PUP5060	Vacuum System Integrated Testing - PENTANT 5 - Cell 22	5	06-Feb-13	12-Feb-13	34
1.06.02.04.02	PUP5070	Vacuum System Integrated Testing - PENTANT 5 - Cell 21	5	25-Feb-13	01-Mar-13	22
1.06.02.04.02	PUP5080	Vacuum System Integrated Testing - PENTANT 5 - Cell 20	5	13-Mar-13	19-Mar-13	10
1.06.02.04.02	PUP5090	Vacuum System Integrated Testing - PENTANT 5 - Cell 19	5	07-Mar-13	13-Mar-13	14
1.06.02.04.02	PUP5440	Power Supply Low Current Testing - PENTANT 5 - Cell 17	6	28-Jan-13	04-Feb-13	36
1.06.02.04.02	PUP5450	Power Supply Low Current Testing - PENTANT 5 - Cell 18	6	07-Feb-13	14-Feb-13	30
1.06.02.04.02	PUP5460	Power Supply Low Current Testing - PENTANT 5 - Cell 22	6	14-Mar-13	21-Mar-13	8
1.06.02.04.02	PUP5470	Power Supply Low Current Testing - PENTANT 5 - Cell 21	6	04-Mar-13	11-Mar-13	16
1.06.02.04.02	PUP5480	Power Supply Low Current Testing - PENTANT 5 - Cell 20	6	20-Feb-13	27-Feb-13	24
1.06.02.04.02	PUP5490	Power Supply Low Current Testing - PENTANT 5 - Cell 19	6	26-Mar-13	02-Apr-13	0
1.06.02.04.02	PUP5740	Power Supply High Current Testing - PENTANT 5 - Cell 17	6	11-Feb-13	19-Feb-13	36
1.06.02.04.02	PUP5750	Power Supply High Current Testing - PENTANT 5 - Cell 18	6	22-Feb-13	01-Mar-13	30
1.06.02.04.02	PUP5760	Power Supply High Current Testing - PENTANT 5 - Cell 22	6	28-Mar-13	04-Apr-13	8
1.06.02.04.02	PUP5770	Power Supply High Current Testing - PENTANT 5 - Cell 21	6	18-Mar-13	25-Mar-13	16
1.06.02.04.02	PUP5780	Power Supply High Current Testing - PENTANT 5 - Cell 20	6	06-Mar-13	13-Mar-13	24
1.06.02.04.02	PUP5790	Power Supply High Current Testing - PENTANT 5 - Cell 19	6	09-Apr-13	16-Apr-13	0
1.06.02.04.02	PUP6040	Final Magnet Integrated Testing - PENTANT 5 - Cell 17	2	20-Feb-13	21-Feb-13	36
1.06.02.04.02	PUP6050	Final Magnet Integrated Testing - PENTANT 5 - Cell 18	2	04-Mar-13	05-Mar-13	30
1.06.02.04.02	PUP6060	Final Magnet Integrated Testing - PENTANT 5 - Cell 22	2	05-Apr-13	08-Apr-13	8
1.06.02.04.02	PUP6070	Final Magnet Integrated Testing - PENTANT 5 - Cell 21	2	26-Mar-13	27-Mar-13	16
1.06.02.04.02	PUP6080	Final Magnet Integrated Testing - PENTANT 5 - Cell 20	2	03-Apr-13	04-Apr-13	10
1.06.02.04.02	PUP6090	Final Magnet Integrated Testing - PENTANT 5 - Cell 19	2	17-Apr-13	18-Apr-13	0
1.06.02.04.02	PUP9400	Straight Section Integrated Testing - PENTANT 5 - Cell 17	3	30-Jan-13	01-Feb-13	42
1.06.02.04.02	PUP9500	Straight Section Integrated Testing - PENTANT 5 - Cell 18	3	06-Feb-13	08-Feb-13	39
1.06.02.04.02	PUP9600	Straight Section Integrated Testing - PENTANT 5 - Cell 19	3	14-Mar-13	18-Mar-13	16
1.06.02.04.02	PUP9700	Straight Section Integrated Testing - PENTANT 5 - Cell 22	3	13-Feb-13	15-Feb-13	36
1.06.02.04.02	PUP9800	Straight Section Integrated Testing - PENTANT 5 - Cell 21	3	04-Mar-13	06-Mar-13	24
1.06.02.04.02	PUP9900	Straight Section Integrated Testing - PENTANT 5 - Cell 20	3	20-Mar-13	22-Mar-13	12
Full Ring Integrated Testing			50	19-Apr-13	28-Jun-13	0
1.06.02.04.02	PUP1521	Final Integrated Testing - ALL PENTANTS	50	19-Apr-13	28-Jun-13	0
1.06.02.04.02	PUP1522	Final Survey & Alignment Prior To Commissioning - ALL PENTANTS	50	19-Apr-13	28-Jun-13	0
Accelerator Commissioning			323	03-Jan-13	18-Apr-14	0
Booster Ring - Vendor Contract Award Schedule			114	03-Jan-13	17-Jun-13	9
1.06.02.05.02	PUP1028	Booster - Technically Ready For Commissioning	0		07-Feb-13	9
1.06.02.05.02	PUP1029	Booster - ARR & BHSO Ready For Commissioning	0		03-Jan-13	33
1.06.02.05.02	PUP1146	Booster - Commissioning Complete	0		17-Jun-13	9
Storage Ring			200	28-Jun-13	18-Apr-14	0
1.06.02.05.03	PUP1085	Storage Ring w/o ID - Commissioning	90	01-Jul-13	07-Nov-13	0
1.06.02.05.03	PUP1086	Storage Ring w/ ID - Commissioning	50	07-Feb-14	18-Apr-14	0
1.06.02.05.03	PUP1087	NSLS-II Project KPP Achieved	0		07-Nov-13	0
1.06.02.05.03	PUP1089	Storage Ring Commissioning - Early Completion	0		18-Apr-14	0
1.06.02.05.03	PUP1700	Storage Ring Technically Ready For Commissioning Phase 1	0		28-Jun-13	0
1.06.02.05.03	PUP1710	Storage Ring Technically Ready For Commissioning Phase 2	0		06-Feb-14	0
Experimental Facilities - Pre Ops			166	13-Aug-13	11-Apr-14	5
Experimental Facilities Beamlines Integrated Testing			166	13-Aug-13	11-Apr-14	5
No Work Organization			166	13-Aug-13	11-Apr-14	5
1.06.03.02.01	PTR2160	Beam pipes, etc.: Integrated Testing	10	31-Jan-14	13-Feb-14	45



(B) NSLS-II - Near Critical Path

NSLS2 WBS CODE FIELD	Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
1.06.03.02.01	PTR2165	Multilayer collimating mirror: Integrated Testing (SB after _ _ _)	10	29-Jan-14	11-Feb-14	47
1.06.03.02.01	PTR2175	Multilayer collimating mirror motion mechanism: Integrated Testing	10	07-Feb-14	21-Feb-14	40
1.06.03.02.01	PTR2180	Endstn Misc Components: Integrated Testing	10	14-Feb-14	28-Feb-14	35
1.06.03.02.01	PTR2190	Analyser crystal & mechanism: Integrated Testing	10	27-Feb-14	12-Mar-14	27
1.06.03.02.01	PTR2195	IXS Ready for Commissioning	0		12-Mar-14	27
1.06.03.02.02	PTR2200	Nanoprobe Nano Integrated Testing	120	18-Oct-13	11-Apr-14	5
1.06.03.02.03	PTR2325-100	EIGER detector: Integrated Testing	5	13-Feb-14	20-Feb-14	41
1.06.03.02.03	PTR2360-100	Optics: Integrated Testing	60	01-Nov-13	30-Jan-14	55
1.06.03.02.03	PTR2370-100	Beam pipes: Integrated Testing	5	31-Jan-14	06-Feb-14	50
1.06.03.02.03	PTR2375-100	MAXIPIX: Integrated Testing	5	24-Mar-14	28-Mar-14	15
1.06.03.02.03	PTR2380-100	CHX ready for commissioning	0		28-Mar-14	15
1.06.03.02.04	PTR2405	Integrate Soft Coherent: Test Programs	80	12-Nov-13	11-Mar-14	28
1.06.03.02.05	PTR2500	SRX: Integrated Testing	80	01-Oct-13	28-Jan-14	57
1.06.03.02.06	PTR2600	Integrate Powder Diffraction: Integrated Testing	130	13-Aug-13	20-Feb-14	41
1.06.03.02.06	PTR2610	Integrate Powder Diffraction: Integrated Testing Complete	0		20-Feb-14	41