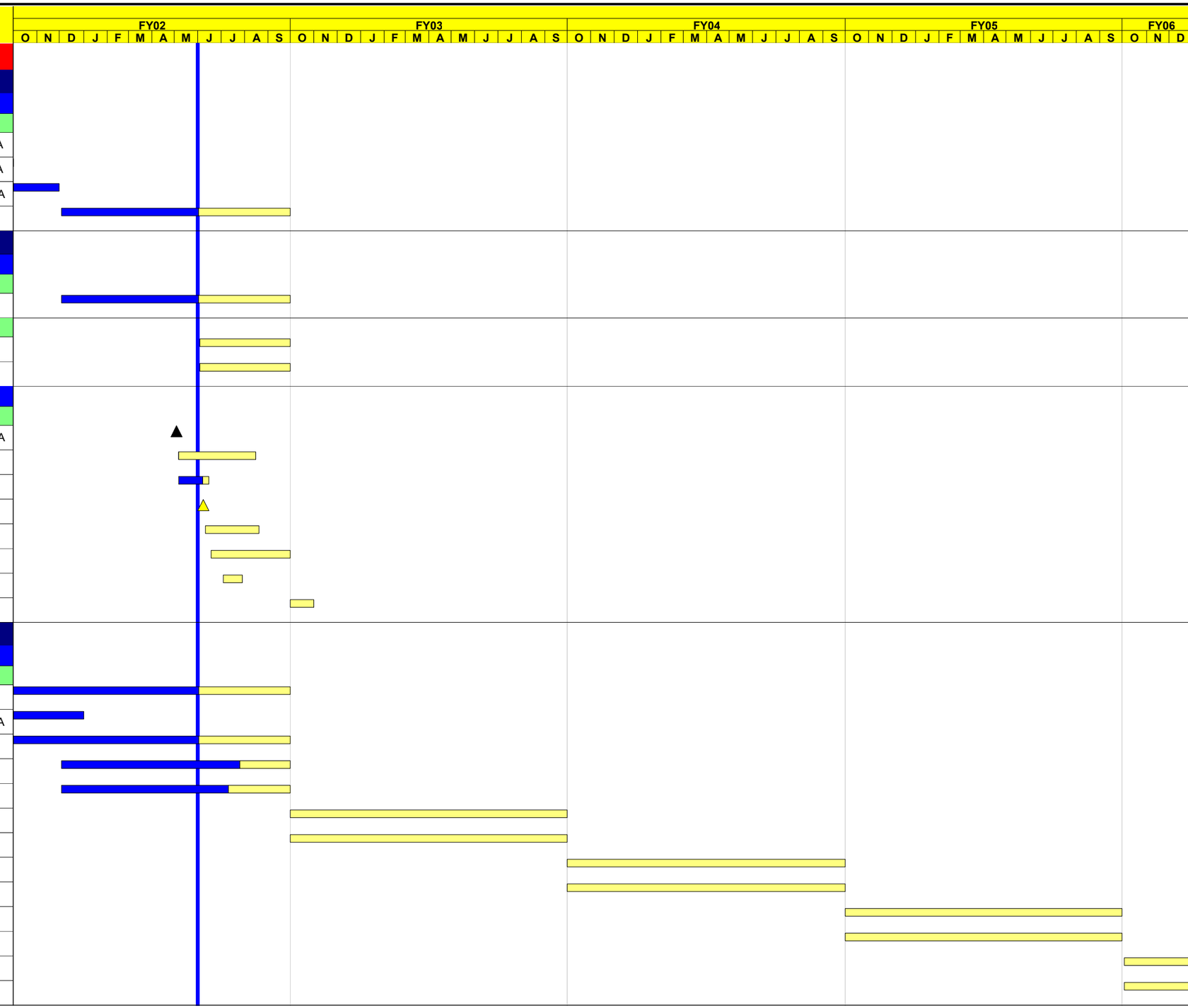
Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
1 Spallation Neutron Souce Project						
1.01 1.1 Research and Development						
1.01.12 1.1.12 ORNL Direct R&D						
1.01.12.01 1.1.12.1 PSR Instability						
AS01011200	PSR Instability R&D - FY00		250*	100	01OCT99A	29SEP00A
AS01011202	PSR Instability R&D - FY01		249*	100	02OCT00A	28SEP01A
AS01011212	PSR Instability R&D - FY02		43	100	01OCT01A	30NOV01A
AS01111212	PSR Instability R&D - FY02	1,000	207*	60	03DEC01A	30SEP02
1.03 1.3 Accelerator Front End Facilities						
1.03.05 1.3.5 FE Field Coordination						
1.03.05.01 FE Field Coordination						
AS03050598	ORNL Field Coordination	1,000	147	60	03DEC01A	30SEP02
1.03.05.02 FE Spares						
AS03050608	Front End Spares Procurement	1,000	83	0	03JUN02*	30SEP02
AS03050618	Front End Test Stand Spares (FY02)	1,000	83	0	03JUN02*	30SEP02
1.03.06 FE Installation						
1.03.06.01						
ASIPL05000	IPL - Front End Building - RFE		0	100		03MAY02A
AS03050603	Cable Tray	1,031	74	0	06MAY02A	15AUG02
ASFB000095	Front End - Building Prep	564	29	80	06MAY02A	14JUN02
ASIPL05010	IPL - Front End Component Delivery	565	0	0		07JUN02*
ASFB001200	Front End - Install Tech Components	564	49	0	11JUN02*	20AUG02
ASFE001000	Front End - Install Lattice Components	564	71	0	19JUN02*	30SEP02
ASFB008000	Front End - Install Temporary Control Roo	608	17	0	05JUL02*	29JUL02
ASFE005000	Front End - Integrated Testing	564	22	0	01OCT02*	30OCT02
1.04 1.4 Linac Systems (LANL)						
1.04.07 1.4.7 ORNL Coordination						
1.04.07.01 1.4.7.1 ORNL Coordination						
AS10027144	Linac Equip and Consumables - FY02	188	250*	67	01OCT01A	30SEP02
AS10027234	Linac Field Coordination FY02		62	100	01OCT01A	31DEC01A
AS14711039	ORNL ASD Field Coordination FY02	188	250*	67	01OCT01A	30SEP02
AS10127244	Ion Source Equipment fy02	1,000	207	78	03DEC01A	30SEP02
AS10127245	Diagnostics Equipment FY02	1,000	207	73	03DEC01A	30SEP02
AS10027154	Linac Equip and Consumables - FY03	188	250	0	01OCT02	30SEP03
AS14711040	ORNL ASD Field Coordination FY03	188	250	0	01OCT02*	30SEP03
AS10027164	Linac Equip and Consumables - FY04	188	251	0	01OCT03	30SEP04
AS14711041	ORNL ASD Field Coordination FY04	188	251	0	01OCT03*	30SEP04
AS10027174	Linac Equip and Consumables - FY05	188	250	0	01OCT04	30SEP05
AS14711042	ORNL ASD Field Coordination FY05	188	250	0	01OCT04*	30SEP05
AS10027214	Linac Equip and Consumables - FY06	188	61	0	03OCT05	30DEC05
AS14711043	ORNL ASD Field Coordination 1st Qrtr FY06	188	61	0	03OCT05*	30DEC05



Start Date	01OCT96
Finish Date	27JUN06
Data Date	01JUN02
Run Date	24JUN02 09:08

Early Bar
Progress Bar
Critical Activity

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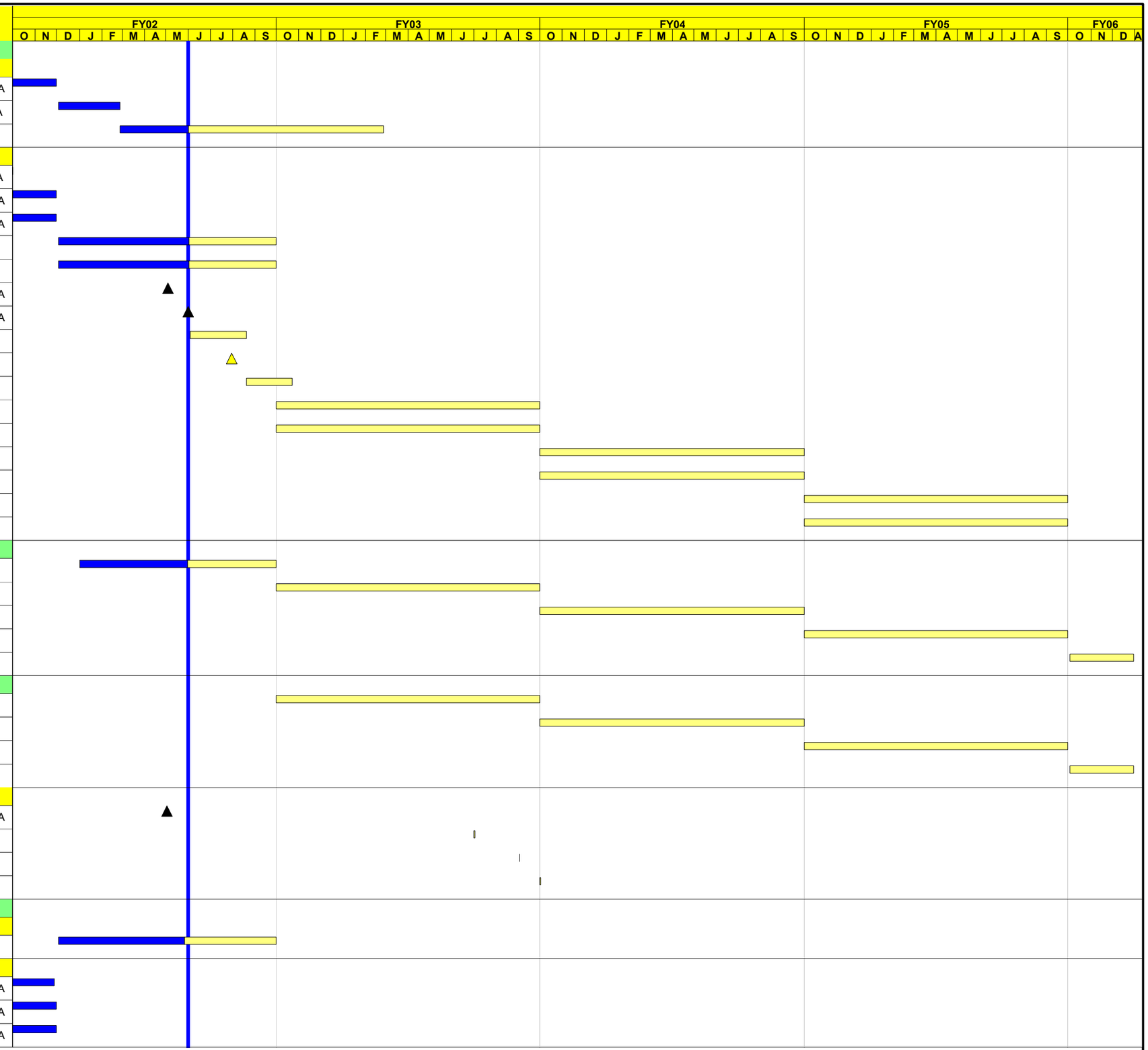
SNS9 - OASD

ACCELERATOR SYSTEMS DIVISION
Detailed Integrated
Project Schedule

Integration Cycle #47

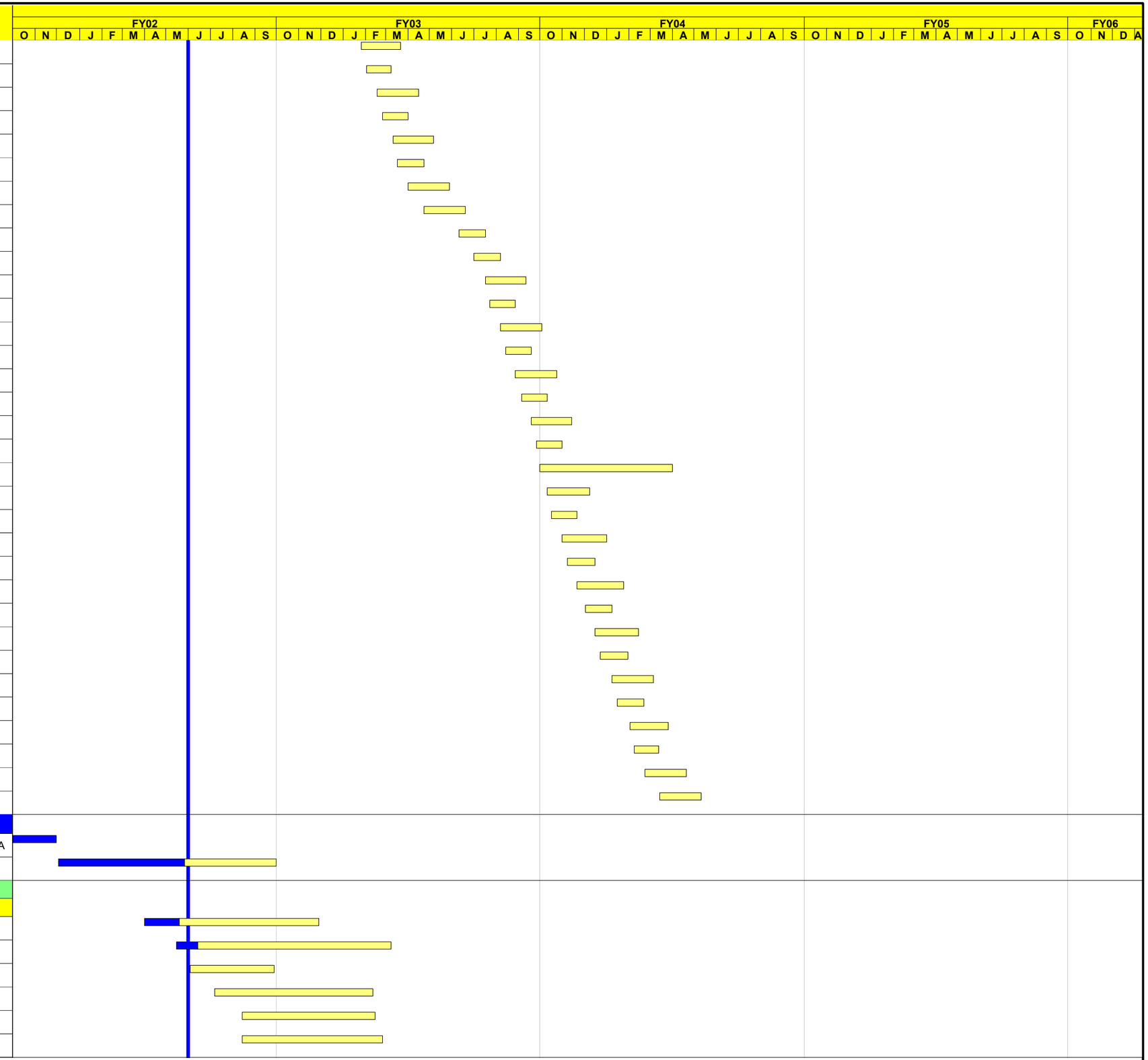
Statused as of June 1, 2002

Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
1.04.07.04 Linac Installation Services						
1.04.07.04.01 RATS Building						
AS14714001	RATS Building Operation (1st Yr)		197	100	20FEB01A	30NOV01A
AS14724001	RATS Building Operation (1st Yr)		57	100	03DEC01A	25FEB02A
AS14714011	RATS Building Operation (2nd Yr)	250	250	26	26FEB02A	25FEB03
1.04.07.04.02 Linac Installation Services Group						
AS14714021	RATS Tech Support FY01		62	100	02JUL01A	28SEP01A
AS14714036	RATS Tech Support FY02		43	100	01OCT01A	30NOV01A
AS14740025	Installation Services FY02		43	100	01OCT01A	30NOV01A
AS14724036	RATS Tech Support FY02	249	207	60	03DEC01A	30SEP02
AS14741025	Installation Services FY02	249	207	60	03DEC01A	30SEP02
ASIPL05020	IPL - KH to Column 3.5 RFE		0	100		03MAY02A
ASLT004510	IPL - RFE Linac Tunnel to 40 MeV		0	100		31MAY02A
ASLT004520	DTL/CCL Linac Tunnel Building Prep	745	55	0	03JUN02*	20AUG02
ASKB000490	IPL - RFE KH to 225 MeV	852	0	0		30JUL02
ASLT004550	SC Linac Tunnel Building Prep	745	44	0	21AUG02	22OCT02
AS14714046	RATS Tech Support FY03	249	250	0	01OCT02*	30SEP03
AS14740035	Installation Services FY03	249	250	0	01OCT02	30SEP03
AS14714056	RATS Tech Support FY04	249	251	0	01OCT03*	30SEP04
AS14740045	Installation Services FY04	249	251	0	01OCT03	30SEP04
AS14714066	RATS Tech Support FY05	249	250	0	01OCT04*	30SEP05
AS14740055	Installation Services FY05	249	250	0	01OCT04	30SEP05
1.04.07.06 Linac FC Diagnostics						
AS14760011	Clerical Sppt - FY02	188	188	55	02JAN02A	30SEP02
AS14760021	Clerical Sppt - FY03	188	250	0	01OCT02	30SEP03
AS14760031	Clerical Sppt - FY04	188	251	0	01OCT03	30SEP04
AS14760041	Clerical Sppt - FY05	188	250	0	01OCT04	30SEP05
AS14760051	Clerical Sppt - FY06	188	61	0	03OCT05	30DEC05
1.04.07.08 Linac Spares						
AS14780065	Linac Spares - FY03	188	250	0	01OCT02*	30SEP03
AS14780070	Linac Spares - FY04	188	251	0	01OCT03*	30SEP04
AS14780074	Linac Spares - FY05	188	250	0	01OCT04*	30SEP05
AS14780075	Linac Spares - FY06	188	61	0	03OCT05*	30DEC05
1.04.07.08.02 Linac Spare 402.5 MHz Klystrons						
AS14780001	Award S/C for Spare 402.5 MHz Klystrons		0	100		01MAY02A
AS14780003	Deliver Prototype Spare 402.5 MHz Klystron	812	1	0	01JUL03*	01JUL03
AS14780005	Deliver 2nd Spare 402.5 MHz Klystron	770	1	0	02SEP03*	02SEP03
AS14780007	Deliver 3rd Spare 402.5 MHz Klystron	749	1	0	01OCT03*	01OCT03
1.04.07.10 Linac RF						
1.04.07.10.01 Linac RF						
AS14721084	ASD ORNL Linac RF FY02	1,000	207	58	03DEC01A	30SEP02
1.04.07.10.02 JLAB RF Test Stand Support						
AS14710201	Procure JLAB Test Stand Equipment		95	100	09JUL01A	27NOV01A
AS14710241	Support to Test Stand Prep		95	100	09JUL01A	29NOV01A
AS14710251	Rework CWDD Crowbar		95	100	09JUL01A	29NOV01A

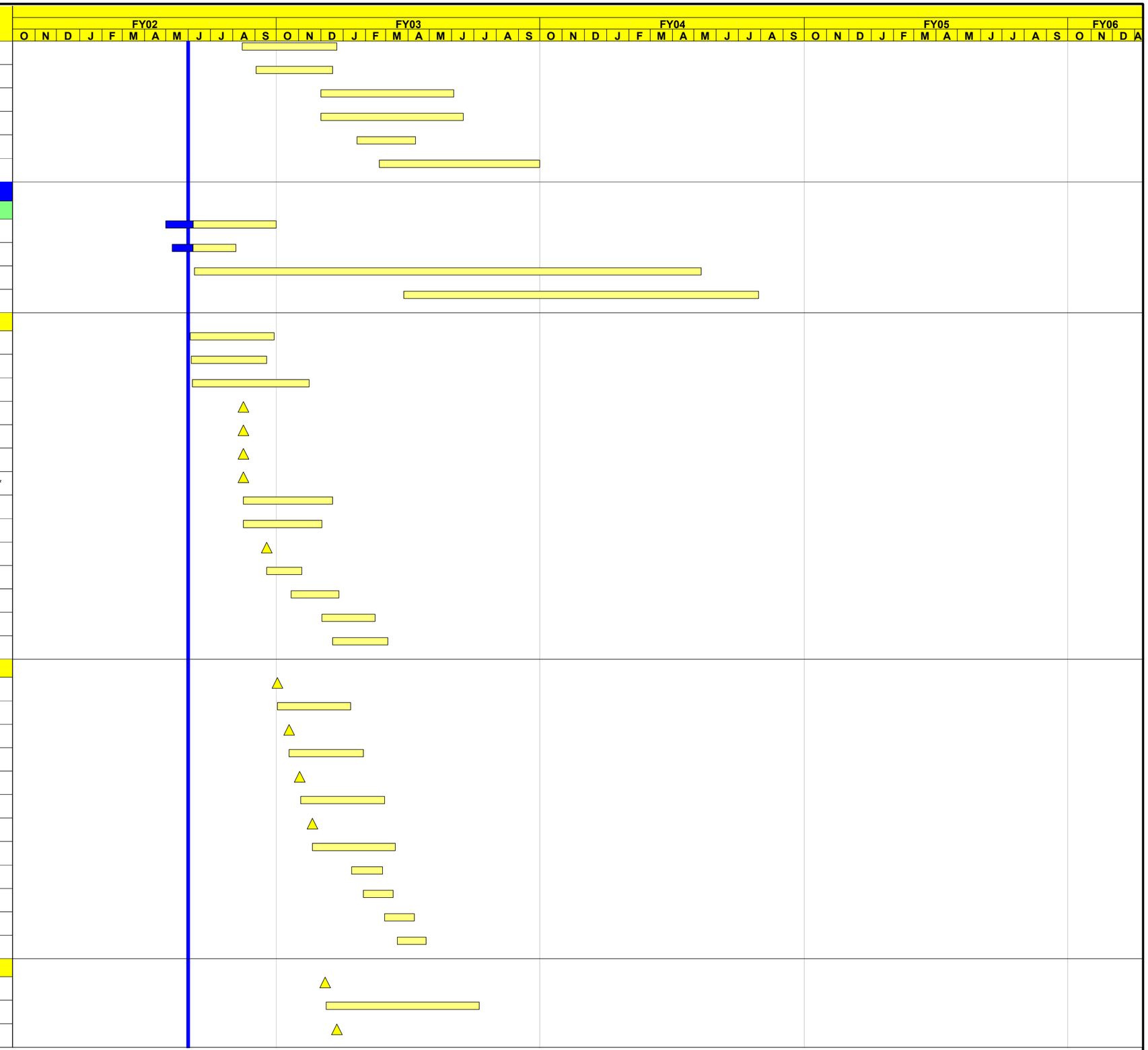


Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
AS14710211	Assemble, Test Components at RATS		26	100	20NOV01A	31DEC01A
AS14710221	Ship Components to JLAB		3	100	02JAN02A	04JAN02A
AS14710231	Assemble, Test, and Commission at JLAB		42	100	07JAN02A	06MAR02A
1.04.07.14 Linac FC Mechanical						
AS14721103	ASD Linac FC Mechanical FY02	1,000	207	60	03DEC01A	30SEP02
1.04.16 ORNL Transfer Lines Fab Installation						
1.04.16.04 ORNL Ancillary Equipment						
1.04.16.04.01 Y-12 Purifier						
AS16040000	Move Y-12 Purifier		30	100	01MAY01A	23MAY01A
1.04.16.05 ORNL Transfer Lines/Piping						
1.04.16.05.01 ORNL Transfer Line Fabrication						
AS16050102	Procure/Fabr T/L Fab. Fac.		85	100	02OCT00A	29MAR01A
AS16050104	IPL - Warehouse Building BOD T/L Fab. Fac.		0	100	07FEB01A	
AS16050103	Assemble T/L Fab. Fac.		128	100	15FEB01A	29MAR01A
AS16050105	Install T/L Fab. Facility		64	100	21FEB01A	29MAR01A
AS16050106	TL Fab. Facility Operational		0	100		29MAR01A
AS16050127	ASD ORNL Cryogenic FY02		62	100	01OCT01A	31DEC01A
1.04.16.05.02 ORNL Transfer Lines/Warm Tunnel Piping						
AS16050203	Assemble CHL to Tee T/L & Warm Piping		128	100	13APR01A	30NOV01A
AS16050107	Transfer Line Fabrication Equipment		62	100	02JUL01A	27DEC01A
AS16050202	RFQ Warm Tunnel Pipe		30	100	02JUL01A	31JUL01A
AS16050204	Contract Award Warm Tunnel Pipe		0	100		28SEP01A
AS16050235	Deliver Warm Tunnel Pipe & Components		0	100		30NOV01A
ASXF000009	Manufacture Cryo Transfer Line	485	239	30	21JAN02A	05MAR03
AS16050205	Install CHL to Tee T/L & Warm Piping		15	100	01APR02A	22APR02A
AS16050215	Start Installation Transfer Lines		0	100	01APR02A	
ASLT025010	Install Tee and Cryogenic Transfer Line	485	182	0	14AUG02	06MAY03
1.04.17 ORNL Support for Cryomodule Fabrication						
1.04.17.04 Cavity/Cryomodule Assy Labor						
AS17040010	Cavity String Assembly of CM M-1	647	25	0	01AUG02*	05SEP02
AS17040120	Change of Station and Matls and Supplies	625	42	0	01AUG02*	30SEP02
AS17040020	Cavity String Assembly of CM M-2	647	25	0	22AUG02*	26SEP02
AS17040015	CM Assembly of CM M-1	827	40	0	06SEP02*	31OCT02
AS17040030	Cavity String Assembly of CM M-3	647	25	0	13SEP02*	17OCT02
AS17040025	CM Assembly of CM M-2	827	40	0	27SEP02*	25NOV02
AS17040130	Change of Station and Matls and Supplies	625	250	0	01OCT02	30SEP03
AS17040040	Cavity String Assembly of CM M-4	647	25	0	04OCT02*	07NOV02
AS17040035	CM Assembly of CM M-3	827	40	0	18OCT02*	16DEC02
AS17040050	Cavity String Assembly of CM M-5	647	25	0	25OCT02*	02DEC02
AS17040045	CM Assembly of CM M-4	827	40	0	08NOV02*	09JAN03
AS17040060	Cavity String Assembly of CM M-6	647	25	0	15NOV02*	23DEC02
AS17040055	CM Assembly of CM M-5	827	40	0	03DEC02*	31JAN03
AS17040070	Cavity String Assembly of CM M-7	647	25	0	10DEC02*	16JAN03
AS17040065	CM Assembly of CM M-6	822	40	0	03JAN03*	28FEB03
AS17040080	Cavity String Assembly of CM M-8	642	25	0	10JAN03*	14FEB03

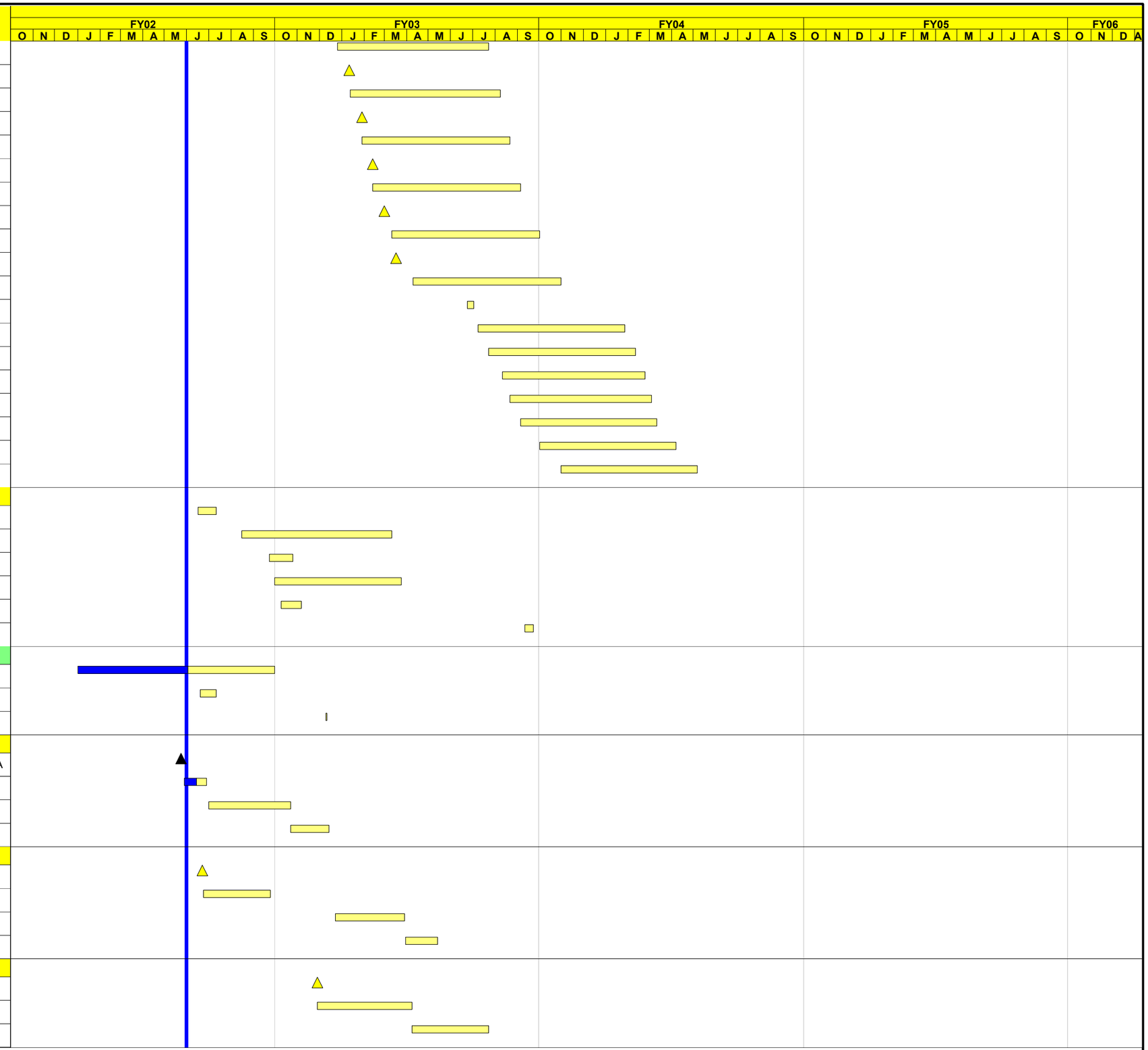
Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
AS17040075	CM Assembly of CM M-7	822	40	0	27JAN03*	21MAR03
AS17040090	Cavity String Assembly of CM M-9	642	25	0	03FEB03*	07MAR03
AS17040085	CM Assembly of CM M-8	821	40	0	18FEB03*	15APR03
AS17040100	Cavity String Assembly of CM M-10	641	25	0	25FEB03*	31MAR03
AS17040095	CM Assembly of CM M-9	821	40	0	11MAR03*	06MAY03
AS17040110	Cavity String Assembly of CM M-11	641	25	0	18MAR03*	22APR03
AS17040105	CM Assembly of CM M-10	821	40	0	01APR03*	28MAY03
AS17040115	CM Assembly of CM M-11	821	40	0	23APR03*	18JUN03
AS17041010	Cavity String Assembly of CM H-1	598	25	0	10JUN03*	16JUL03
AS17041020	Cavity String Assembly of CM H-2	598	25	0	01JUL03*	06AUG03
AS17041015	CM Assembly of CM H-1	598	40	0	17JUL03*	11SEP03
AS17041030	Cavity String Assembly of CM H-3	598	25	0	24JUL03*	27AUG03
AS17041025	CM Assembly of CM H-2	598	40	0	07AUG03*	02OCT03
AS17041040	Cavity String Assembly of CM H-4	598	25	0	14AUG03*	18SEP03
AS17041035	CM Assembly of CM H-3	598	40	0	28AUG03*	23OCT03
AS17041050	Cavity String Assembly of CM H-5	598	25	0	05SEP03*	09OCT03
AS17041045	CM Assembly of CM H-4	598	40	0	19SEP03*	13NOV03
AS17041060	Cavity String Assembly of CM H-6	598	25	0	26SEP03*	30OCT03
AS17040140	Change of Station and Matls and Supplies	625	125	0	01OCT03	31MAR04
AS17041055	CM Assembly of CM H-5	598	40	0	10OCT03*	08DEC03
AS17041070	Cavity String Assembly of CM H-7	598	25	0	17OCT03*	20NOV03
AS17041065	CM Assembly of CM H-6	598	40	0	31OCT03*	31DEC03
AS17041080	Cavity String Assembly of CM H-8	598	25	0	07NOV03*	15DEC03
AS17041075	CM Assembly of CM H-7	598	40	0	21NOV03*	23JAN04
AS17041090	Cavity String Assembly of CM H-9	598	25	0	02DEC03*	08JAN04
AS17041085	CM Assembly of CM H-8	598	40	0	16DEC03*	13FEB04
AS17041100	Cavity String Assembly of CM H-10	598	25	0	23DEC03*	30JAN04
AS17041095	CM Assembly of CM H-9	598	40	0	09JAN04*	05MAR04
AS17041110	Cavity String Assembly of CM H-11	598	25	0	16JAN04*	20FEB04
AS17041105	CM Assembly of CM H-10	598	40	0	02FEB04*	26MAR04
AS17041120	Cavity String Assembly of CM H-12	598	25	0	09FEB04*	12MAR04
AS17041115	CM Assembly of CM H-11	598	40	0	23FEB04*	19APR04
AS17041125	CM Assembly of CM H-12	598	40	0	15MAR04*	10MAY04
1.04.18 ORNL Refrigeration System						
AS17040170	ORNL Support to Refrigerator Installation FY02		43	100	01OCT01A	30NOV01A
AS17140171	ORNL Support to Refrigerator Installation FY02	605	207	58	03DEC01A	30SEP02
1.04.18.01						
1.04.18.01.01 CHL Facility Installation						
ASCH002270	Install Transfer Line to T and Expansion	960	144	20	01APR02A	27NOV02
ASCH001175	Install Warm Compressors and Piping	430	203	10	15MAY02A	07MAR03
ASCH001620	Install CHL & Tunnel Warm Gas Piping	1,001	82	0	03JUN02	27SEP02
ASCH001450	Install South Wall Piping	430	150	0	08JUL02	11FEB03
ASCH001025	Install He Gas Storage System	908	124	0	15AUG02*	13FEB03
ASCH001700	Install 4.5K MCB	402	131	0	15AUG02*	24FEB03



Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
ASCH002290	Install Utility Systems	942	90	0	15AUG02	23DEC02
ASCH002410	Install CHL Dewars and Piping	451	73	0	03SEP02	16DEC02
ASCH001980	Install CHL 2.1K SCB	384	126	0	02DEC02*	03JUN03
ASCH002690	Install/Test CHL Control Room	384	135	0	02DEC02	16JUN03
ASCH002610	Install Recovery Compressors & Purifier	430	57	0	21JAN03	10APR03
ASCH005010	CHL System Commissioning	384	153	0	21FEB03	30SEP03
1.04.19 ORNL Linac Assembly & Installation						
1.04.19.01 ORNL RF Assembly & Installation						
AS14190101	ASD ORNL Support to RF installation	1,000	105	25	01MAY02A	30SEP02
AS14112142	Install 23&4 Waveguide 402.5MHz	904	60	33	10MAY02A	05AUG02
AS141325T1	NC LLRF ORNL Installation Labor	598	480	0	10JUN02*	10MAY04
AS141329T1	SC LLRF ORNL Installation Labor	543	337	0	26MAR03*	29JUL04
1.04.19.01.01 ORNL DTL RF Systems Installation						
ASLT004020	Install Linac Tunnel Waveguide	1,001	82	0	03JUN02*	27SEP02
ASKB001000	KH - Install RFQ_ME1 Systems	561	71	0	05JUN02*	16SEP02
ASKB001400	KH - Install DTL_ME1 Systems	967	113	0	06JUN02*	14NOV02
ASIPL00P06	IPL - Deliver HVCM #1	561	0	0		15AUG02
ASIPL00P08	IPL - Deliver HVCM #3	890	0	0		15AUG02
ASIPL00P10	IPL - Deliver HVCM #4	907	0	0		15AUG02
ASIPL05040	IPL - Deliver HVCM #2	896	0	0		15AUG02*
ASKB010000	KH - Install DTL_ME2 Systems	896	85	0	16AUG02*	17DEC02
ASKB015000	Install DTL_ME3 System	907	74	0	16AUG02*	02DEC02
ASIPL00P12	IPL - Deliver HVCM #5	1,010	0	0		16SEP02
ASKB001010	KH - RFQ_ME1 Checkout Testing	561	35	0	17SEP02*	04NOV02
ASKB001500	KH - DTL_ME1 Integrated Testing	941	44	0	22OCT02	26DEC02
ASKB015050	DTL_ME3 Integrated Testing	907	50	0	03DEC02	14FEB03
ASKB010100	KH - DTL_ME2 Integrated Testing	896	50	0	18DEC02	03MAR03
1.04.19.01.02 ORNL CCL RF Systems Installation						
ASIPL00P14	IPL - Deliver HVCM #6	809	0	0		01OCT02
ASKB020000	Install CCL_ME1	809	68	0	02OCT02*	10JAN03
ASIPL00P16	IPL - Deliver HVCM #7	813	0	0		17OCT02
ASKB025010	Install CCL_ME2	813	68	0	18OCT02*	29JAN03
ASIPL00P18	IPL - Deliver HVCM #8	805	0	0		01NOV02
ASKB030010	Install CCL_ME3 System	805	78	0	04NOV02*	27FEB03
ASIPL00P20	IPL - Deliver HVCM #9	756	0	0		19NOV02
ASKB035010	Install CCL_ME4 System	756	77	0	20NOV02*	14MAR03
ASKB020500	CCL_ME1 Integrated Testing	809	30	0	13JAN03	24FEB03
ASKB025050	CCL_ME2 Integrated Testing	813	29	0	30JAN03	11MAR03
ASKB030050	CCL_ME3 Integrated Testing	805	28	0	28FEB03	09APR03
ASKB035050	CCL_ME4 Integrated Testing	756	29	0	17MAR03	25APR03
1.04.19.01.03 ORNL SCL RF Systems Installation						
ASIPL00P22	IPL - Deliver HVCM #10	475	0	0		06DEC02
ASKB039010	Install SC_ME1 System	475	144	0	09DEC02*	08JUL03
ASIPL00P24	IPL - Deliver HVCM #11	464	0	0		23DEC02

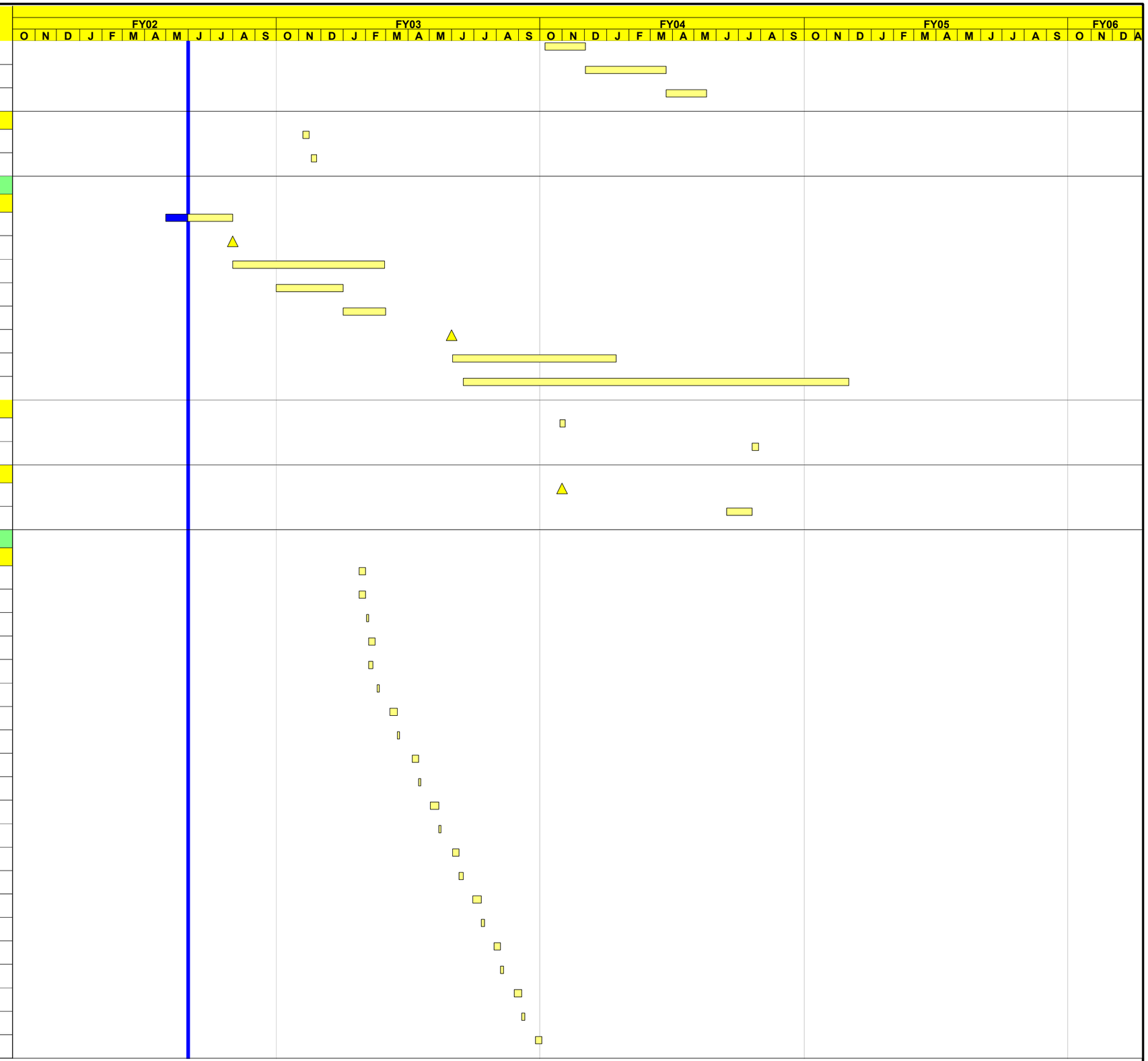


Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
ASKB044015	Install SCL_ME2 System	464	144	0	26DEC02*	23JUL03
ASIPL00P26	IPL - Deliver HVCM #12	455	0	0		10JAN03
ASKB049015	Install SCL_ME3 System	455	145	0	13JAN03*	08AUG03
ASIPL00P28	IPL - Deliver HVCM #13	447	0	0		28JAN03
ASKB054015	Install SCL_ME4 System	447	142	0	29JAN03*	20AUG03
ASIPL00P30	IPL - Deliver HVCM #14	443	0	0		12FEB03
ASKB059015	Install SCL_ME5 System	443	141	0	13FEB03*	04SEP03
ASIPL00P32	IPL - Deliver HVCM #15	432	0	0		28FEB03
ASKB064015	Install SCL_ME6 System	425	141	0	12MAR03*	01OCT03
ASIPL00P34	IPL - Deliver HVCM #16	420	0	0		17MAR03
ASKB069015	Install SCL_ME7 System	404	142	0	10APR03*	30OCT03
ASKB081120	Install Other Necessary Racks	812	6	0	24JUN03*	01JUL03
ASKB039050	SCL_ME1 Integrated Testing	475	137	0	09JUL03	26JAN04
ASKB044050	SCL_ME2 Integrated Testing	464	137	0	24JUL03	10FEB04
ASKB049050	SCL_ME3 Integrated Testing	455	134	0	11AUG03*	23FEB04
ASKB054050	SCL_ME4 Integrated Testing	447	134	0	21AUG03	04MAR04
ASKB059050	SCL_ME5 Integrated Testing	443	128	0	05SEP03	10MAR04
ASKB064050	SCL_ME6 Integrated Testing	425	127	0	02OCT03	06APR04
ASKB069050	SCL_ME7 Integrated Testing	404	127	0	31OCT03	05MAY04
1.04.19.01.04	**ORNL RF Test Facility Installation**					
ASTF001100	RF Test Facility - Bldg Prep	915	17	0	17JUN02*	11JUL02
ASTF001660	Install RFTF_ME System	890	141	0	16AUG02*	11MAR03
ASTF001120	Install RF Test Facility Waveguide	982	23	0	24SEP02*	24OCT02
ASTF004440	RFTF_ME Systems Test and Integration	881	119	0	01OCT02*	24MAR03
ASTF003480	Install RFTF_ME (805MHz)	973	20	0	10OCT02*	06NOV02
ASTF001440	Install RF Test Facility RCCS Skid	756	8	0	11SEP03*	22SEP03
1.04.19.02	**ORNL DTL Assembly & Installation**					
AS142820T2	DTL Assembly FY02	1,000	188	56	02JAN02A	30SEP02
AS142740T9	Tank 1 Assembly at RATS - ORNL FTE	1,056	14	0	20JUN02*	11JUL02
AS14255T66	DTL Water Transfer Lines - ORNL	950	1	0	11DEC02*	11DEC02
1.04.19.02.01	**ORNL DTL Tank 3 Assembly & Installation**					
ASDT000295	IPL - Deliver DTL Tank 3		0	100		24MAY02A
ASDT000301	DTL 3 - Re-assemble/Tune/Transp to Site	814	20	55	28MAY02A	28JUN02
ASDT001000	Install/Test DTL - 3	814	79	0	01JUL02	22OCT02
ASDT001100	DTL - 3 Integrated Testing	814	36	0	23OCT02	13DEC02
1.04.19.02.02	**ORNL DTL Tank 1 Assembly & Installation**					
ASDT000100	IPL - Deliver DTL Tank 1 Drift Tubes	624	0	0		21JUN02
ASDT000102	DTL 1 - Assemble/Tune/Transport to Site	624	64	0	24JUN02	24SEP02
ASDT002000	Install/Test DTL - 1	563	66	0	23DEC02	28MAR03
ASDT002100	DTL - 1 Integrated Testing	563	30	0	31MAR03	12MAY03
1.04.19.02.03	**ORNL DTL Tank 5 Assembly & Installation**					
ASDT000500	IPL - Deliver DTL Tank 5 Drift Tubes	665	0	0		27NOV02
ASDT000502	DTL 5 - Assemble/Tune/Transport to Site	665	88	0	28NOV02	07APR03
ASDT004000	Install/Test DTL - 5	665	74	0	08APR03	23JUL03

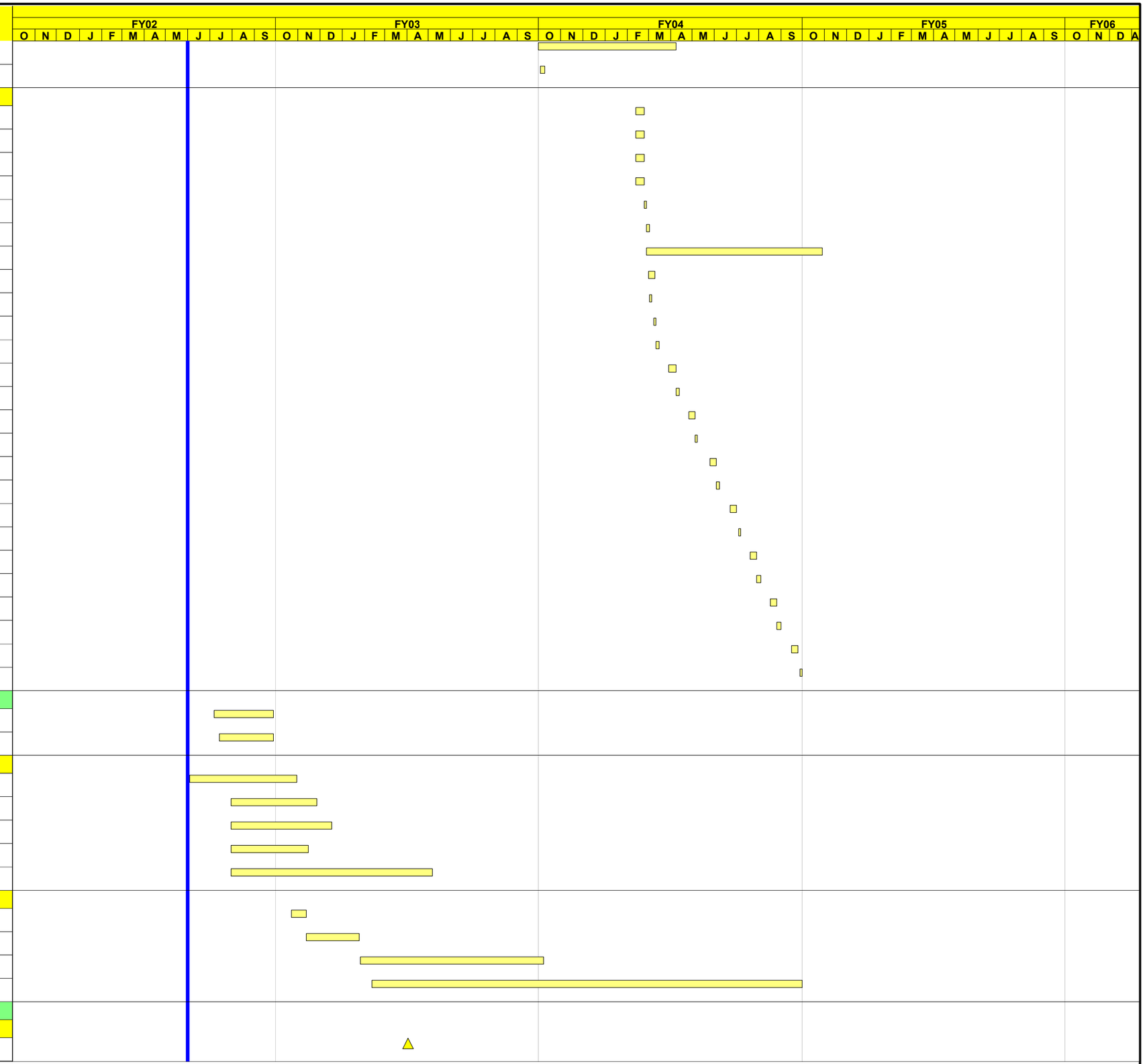


Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
ASDT004100	DTL - 5 Integrated Testing	665	34	0	24JUL03	10SEP03
1.04.19.02.04	**ORNL DTL Tank 6 Assembly & Installation**					
ASDT000600	IPL - Deliver DTL Tank 6 Drift Tubes	648	0	0		31JAN03
ASDT000602	DTL 6 - Assemble/Tune/Transport to Site	648	79	0	03FEB03	26MAY03
ASDT005000	Install/Test DTL - 6	648	74	0	27MAY03	10SEP03
ASDT005100	DTL - 6 Integrated Testing	648	34	0	11SEP03	28OCT03
1.04.19.02.05	**ORNL DTL Tank 4 Assembly & Installation**					
ASDT000400	IPL - Deliver DTL Tank 4 Drift Tubes	578	0	0		15APR03
ASDT000402	DTL 4 - Assemble/Tune/Transport to Site	578	70	0	16APR03	25JUL03
ASDT003000	Install/Test DTL-4	568	68	0	11AUG03	13NOV03
ASDT003100	DTL - 4 Integrated Testing	568	34	0	14NOV03	07JAN04
1.04.19.02.06	**ORNL DTL Tank 2 Assembly & Installation**					
ASDT000200	IPL - Deliver DTL Tank 2 Drift Tubes	670	0	0		27SEP02
ASDT000202	DTL 2 - Assemble/Tune/Transport to Site	670	90	0	30SEP02	10FEB03
ASDT006000	Install/Test DTL -2	565	56	0	14JUL03	30SEP03
ASDT006100	DTL - 2 Integrated Testing	565	34	0	01OCT03	17NOV03
1.04.19.02.07	**DTL Tank 1 D-Plate Installation**					
ASDT090010	Install D-Plate for DTL-1 Commissioning	577	16	0	31MAR03	22APR03
1.04.19.03	**ORNL CCL Assembly & Installation**					
AS14452T54	CCL Water Transfer Lines - ORNL	860	1	0	23APR03*	23APR03
1.04.19.03.01	**ORNL CCL Module 1 Assembly & Installation**					
ASCC000099	IPL - Deliver EMQ Magnets	728	0	0		25SEP02
ASCC000100	CCL-1 - Intersegment Beam Pipe Assy	728	11	0	26SEP02*	10OCT02
ASCC000101	IPL - Deliver CCL Module 1	659	0	0		17APR03
ASCC000102	CCL 1- Assemble/Tune/Transport to Site	657	35	0	22APR03*	10JUN03
ASCC002100	Install/Test CCL - 1	657	78	0	11JUN03	01OCT03
ASCC002150	CCL - 1 Integrated Testing	657	28	0	02OCT03	10NOV03
1.04.19.03.02	**ORNL CCL Module 2 Assembly & Installation**					
ASCC000199	IPL - Deliver EMQ Magnets	716	0	0		28OCT02
ASCC000200	CCL-2 - Intersegment Beam Pipe Assy	716	18	0	29OCT02*	25NOV02
ASCC000201	IPL - Deliver CCL Module 2	647	0	0		28MAY03
ASCC000202	CCL 2 - Assemble/Tune/Transport to Site	647	34	0	29MAY03*	17JUL03
ASCC002400	Install/Test CCL - 2	647	78	0	18JUL03	05NOV03
ASCC002450	CCL - 2 Integrated Testing	647	28	0	06NOV03	17DEC03
1.04.19.03.03	**ORNL CCL Module 3 Assembly & Installation**					
ASCC000299	IPL - Deliver EMQ Magnets	715	0	0		26NOV02
ASCC000300	CCL-3 - Intersegment Beam Pipe Assy	715	18	0	27NOV02*	20DEC02
ASCC000301	IPL - Deliver CCL Module 3	636	0	0		08JUL03
ASCC000302	CCL 3 - Assemble/Tune/Transport to Site	636	34	0	09JUL03*	25AUG03
ASCC002700	Install/Test CCL - 3	636	74	0	26AUG03	10DEC03
ASCC002750	CCL - 3 Integrated Testing	636	32	0	11DEC03	29JAN04
1.04.19.03.04	**ORNL CCL Module 4 Assembly & Installation**					
ASCC000399	IPL - Deliver EMQ Magnets	733	0	0		26NOV02
ASCC000400	CCL-4 - Intersegment Beam Pipe Assy	715	12	0	23DEC02*	10JAN03
ASCC000401	IPL - Deliver CCL Module 4	529	0	0		07OCT03

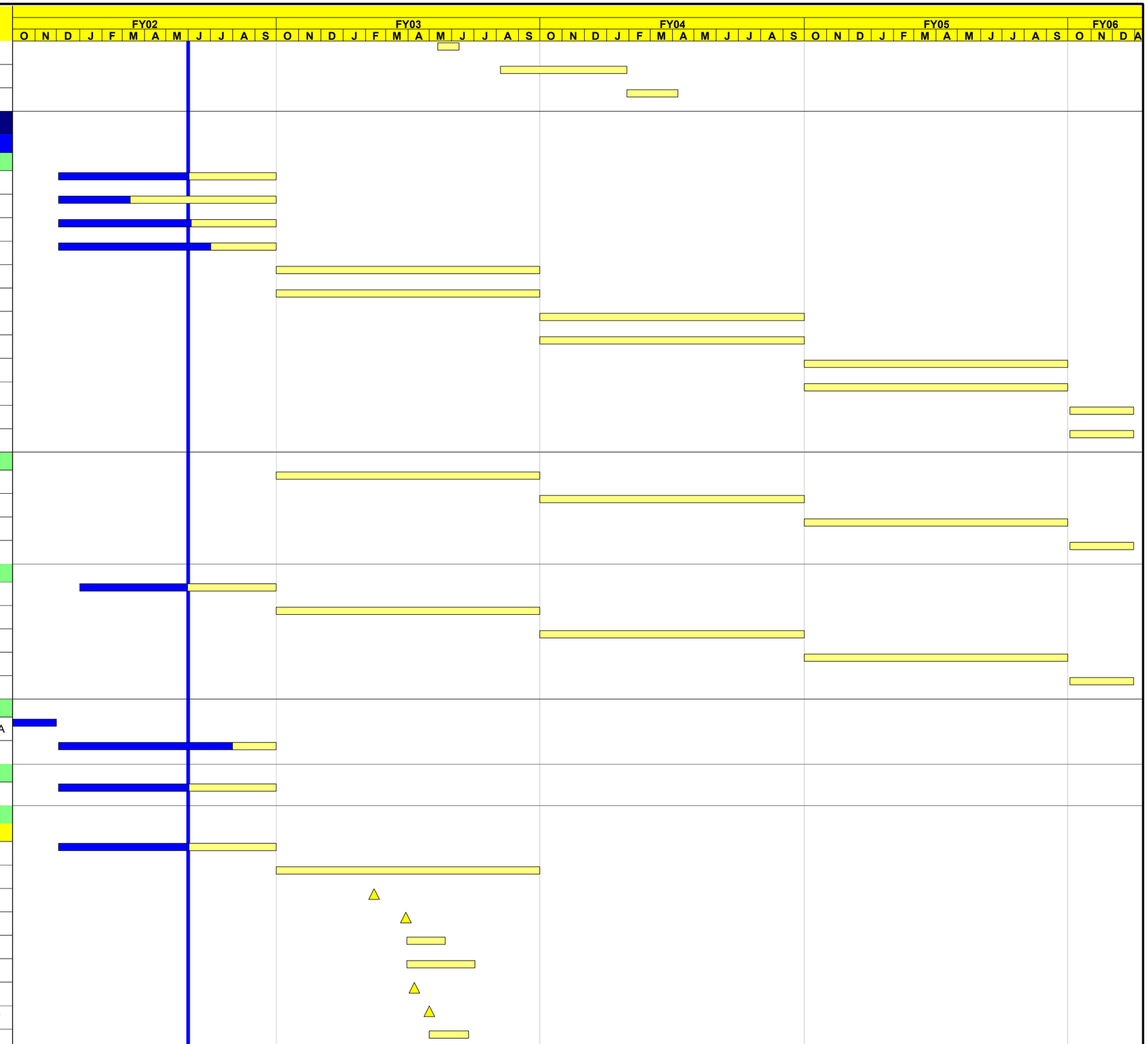
Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
ASCC000402	CCL 4 - Assemble/Tune/Transport to Site	529	37	0	08OCT03*	01DEC03
ASCC003000	CCL-4 Install and Test	529	77	0	02DEC03	23MAR04
ASCC003100	CCL - 4 Integrated testing	529	38	0	24MAR04	17MAY04
1.04.19.03.05	**ORNL LEDPS Assembly & Installation**					
ASCC051100	LEDPS Assembly/Test/Transport to Site	552	7	0	07NOV02*	15NOV02
ASSC001000	Install LEDPS	552	4	0	18NOV02	25NOV02
1.04.19.04	**ORNL Diagnostics Assembly & Installation**					
1.04.19.04.03						
AS14921T25	SCL Warm Region Design - ORNL	1,040	64	33	01MAY02A	31JUL02
ASWS000100	IPL - SCL WS Deliver Magnets	522	0	0		01AUG02
ASWS000101	SCL WS - Measure/Fiducialize Magnets	522	142	0	02AUG02	26FEB03
AS14921T80	SCL Equipment - ORNL	898	60	0	01OCT02*	31DEC02
AS14931T30	Water Manifolds & Trans. Line - ORNL	898	40	0	02JAN03*	28FEB03
ASDP000300	IPL - Deliver Diff Pumps/Warm Girders	457	0	0		30MAY03
ASWS000102	SCL WS - Assemble/Available for Installation	457	154	0	02JUN03*	13JAN04
ASWS001400	Install Warm Sections	457	367	0	16JUN03	01DEC04
1.04.19.04.04						
ASDP000301	SCL HEDPS - Receive/Assm/Transp to Site	726	4	0	29OCT03*	03NOV03
ASSC012840	Install HEDPS	543	8	0	20JUL04	29JUL04
1.04.19.04.05	**ORNL SCL Dummy Cryomodule Installation**					
ASSC011219	IPL - Deliver Dummy Cryomodules	696	0	0		31OCT03
ASSC011220	Install Dummy Cryomodules	543	23	0	15JUN04	19JUL04
1.04.19.05	**ORNL SCL Assembly & Installation**					
1.04.19.05.01	**ORNL Medium Beta CM Assy & Installation**					
ASMB000101	SCL MB01 - Receive/Inspect/Transport to Si	504	7	0	23JAN03	31JAN03
ASMB000102	SCL MB02 - Receive/Inspect/Transport to Si	515	7	0	23JAN03	31JAN03
ASMB001200	Install Cryomodule MB-1	504	3	0	03FEB03	05FEB03
ASMB000103	SCL MB03 - Receive/Inspect/Transport to Si	508	7	0	06FEB03	14FEB03
ASMB001580	Install Cryomodule MB-2	512	3	0	06FEB03	10FEB03
ASMB001960	Install Cryomodule MB-3	508	4	0	17FEB03	20FEB03
ASMB000104	SCL MB04 - Receive/Inspect/Transport to Si	491	7	0	07MAR03	17MAR03
ASMB002340	Install Crymodule MB-4	491	3	0	18MAR03	20MAR03
ASMB000105	SCL MB05 - Receive/Inspect/Transport to Si	474	7	0	07APR03	15APR03
ASMB002720	Install Cryomodule MB-5	474	3	0	16APR03	18APR03
ASMB000106	SCL MB06 - Receive/Inspect/Transport to Si	458	7	0	02MAY03	12MAY03
ASMB003100	Install Cryomodule MB06	458	3	0	13MAY03	15MAY03
ASMB000107	SCL MB07 - Receive/Inspect/Transport to Si	441	7	0	02JUN03	10JUN03
ASMB003480	Install Crymodule MB07	441	4	0	11JUN03	16JUN03
ASMB000108	SCL MB08 - Receive/Inspect/Transport to Si	425	7	0	30JUN03	10JUL03
ASMB003860	Install Crymodule MB-8	425	3	0	11JUL03	15JUL03
ASMB000109	SCL MB09 - Receive/Inspect/Transport to Si	409	7	0	29JUL03	06AUG03
ASMB004240	Install Crymodule MB-9	409	3	0	07AUG03	11AUG03
ASMB000110	SCL MB10 - Receive/Inspect/Transport to Si	392	7	0	26AUG03	04SEP03
ASMB004620	Install Crymodule MB-10	392	3	0	05SEP03	09SEP03
ASMB000111	SCL MB11 - Receive/Inspect/Transport to Si	375	7	0	24SEP03	02OCT03



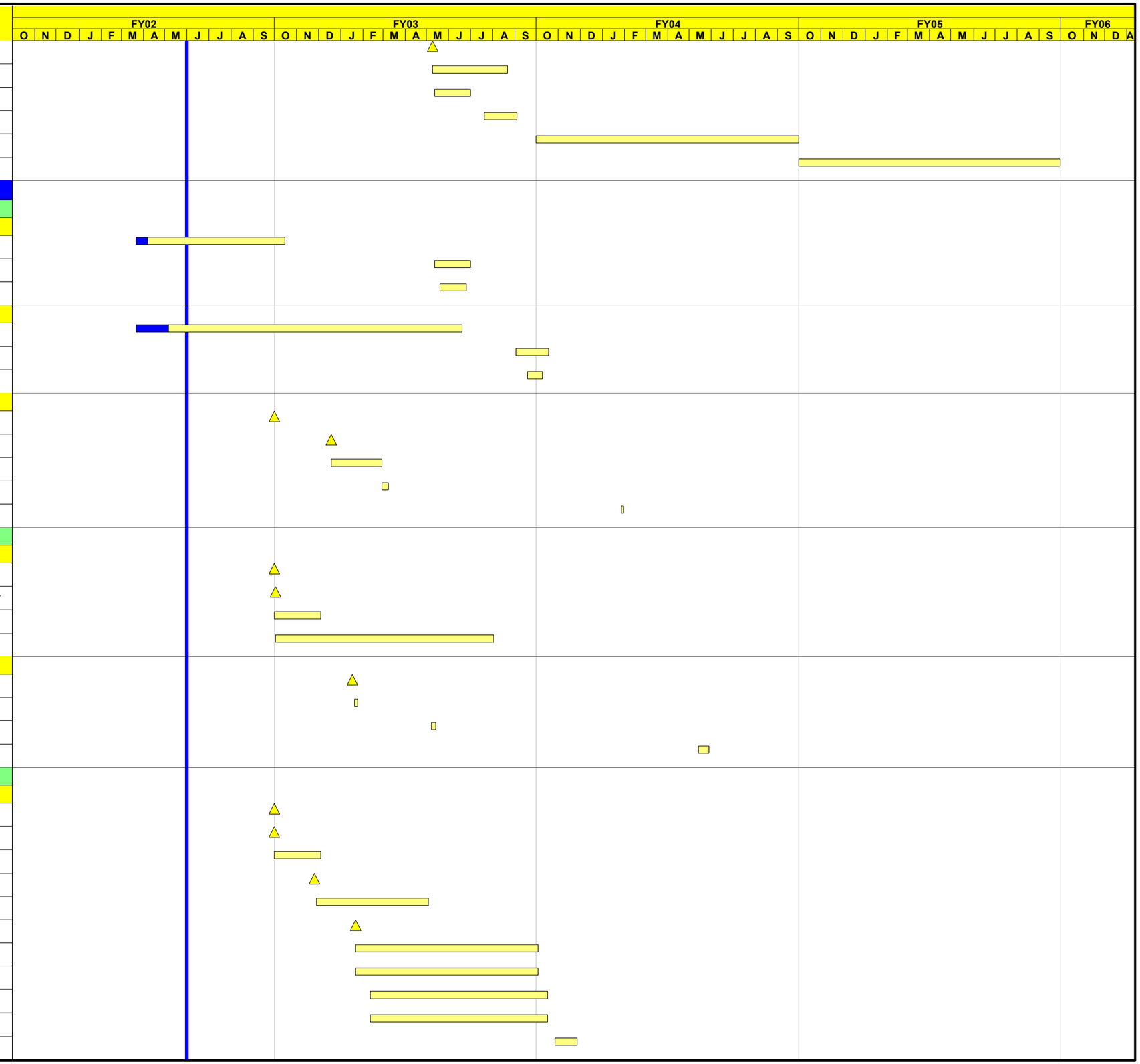
Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
ASMB036810	Med Beta CM Connect & Integrated Testing	424	129	0	01OCT03	07APR04
ASMB005000	Install Crymodule MB-11	375	4	0	03OCT03	08OCT03
1.04.19.05.02	**ORNL High Beta CM Assy & Installation**					
ASHB000201	SCL HB01 - Receive/Inspect/Transport to Si	283	7	0	13FEB04	23FEB04
ASHB000202	SCL HB02 - Receive/Inspect/Transport to Si	618	7	0	13FEB04	23FEB04
ASHB000203	SCL HB03 - Receive/Inspect/Transport to Si	621	7	0	13FEB04	23FEB04
ASHB000204	SCL HB04 - Receive/Inspect/Transport to Si	624	7	0	13FEB04	23FEB04
ASHB006020	Install Cryomodule HB-1	283	3	0	24FEB04	26FEB04
ASHB006400	Install Cryomodule HB-2	615	3	0	27FEB04	02MAR04
ASHB036800	High Beta CM Connect & Integrated Testing	283	169	0	27FEB04	27OCT04
ASHB000205	SCL HB05 - Receive/Inspect/Transport to Si	616	7	0	01MAR04	09MAR04
ASHB006780	Install Cryomodule HB-3	615	3	0	03MAR04	05MAR04
ASHB007160	Install Cryomodule HB-4	615	3	0	08MAR04	10MAR04
ASHB007540	Install Cryomodule HB-5	615	3	0	11MAR04	15MAR04
ASHB000206	SCL HB06 - Receive/Inspect/Transport to Si	599	7	0	29MAR04	07APR04
ASHB007920	Install Cryomodule HB-6	599	3	0	08APR04	12APR04
ASHB000207	SCL HB07 - Receive/Inspect/Transport to Si	583	7	0	26APR04	04MAY04
ASHB009020	Install Cryomodule HB-7	583	3	0	05MAY04	07MAY04
ASHB000208	SCL HB08 - Receive/Inspect/Transport to Si	566	7	0	25MAY04	02JUN04
ASHB009320	Install Cryomodule HB-8	566	3	0	03JUN04	07JUN04
ASHB000209	SCL HB09 - Receive/Inspect/Transport to Si	549	7	0	22JUN04	30JUN04
ASHB009700	Install Cryomodule HB-9	549	3	0	05JUL04	07JUL04
ASHB000210	SCL HB10 - Receive/Inspect/Transport to Si	533	7	0	21JUL04	29JUL04
ASHB010080	Install Cryomodule HB-10	533	3	0	30JUL04	03AUG04
ASHB000211	SCL HB11 - Receive/Inspect/Transport to Si	516	7	0	18AUG04	26AUG04
ASHB010460	Install Cryomodule HB-11	516	3	0	27AUG04	31AUG04
ASHB000212	SCL HB12 - Receive/Inspect/Transport to Si	499	7	0	16SEP04	24SEP04
ASHB010840	Install Cryomodule HB-12	499	3	0	27SEP04	29SEP04
1.04.19.06	**AC Distribution, Trays and Cables**					
AS14229T60	DTL Cabling Fabrication - ORNL	1,001	59	0	08JUL02*	27SEP02
AS14429T60	CCL Manufacturing Cabling - ORNL	1,001	54	0	15JUL02*	27SEP02
1.04.19.06.01	**ORNL Linac AC Power Distr/Tray/Cables Install**					
ASLT002520	Install Linac Tunnel Tray/Pull Cable	979	104	0	03JUN02	29OCT02
ASKB000500	KH - Install AC Power Distribution Compon	961	82	0	31JUL02	26NOV02
ASKB000600	KH - Install Cable Tray	946	97	0	31JUL02	17DEC02
ASKB000700	KH - Install Waveguide Chase Assemblies	967	76	0	31JUL02	14NOV02
ASKB000800	KH - Pull Cable	852	191	0	31JUL02	05MAY03
1.04.19.06.02	**Linac Power Supply Installation/Testing**					
ASKB085110	DTL Power Supply Connections	745	14	0	23OCT02*	11NOV02
ASKB087100	CCL Power Supply Connections	745	48	0	12NOV02	24JAN03
ASKB092020	SCL Power Supply Connections	745	177	0	27JAN03	07OCT03
ASSC041230	SCL Power Supply Testing	500	410	0	12FEB03	29SEP04
1.04.19.07						
1.04.19.07.01	**ORNL HEBT RF Systems Installation**					
ASIPL00P36	IPL - Deliver HVCM #17	577	0	0		01APR03



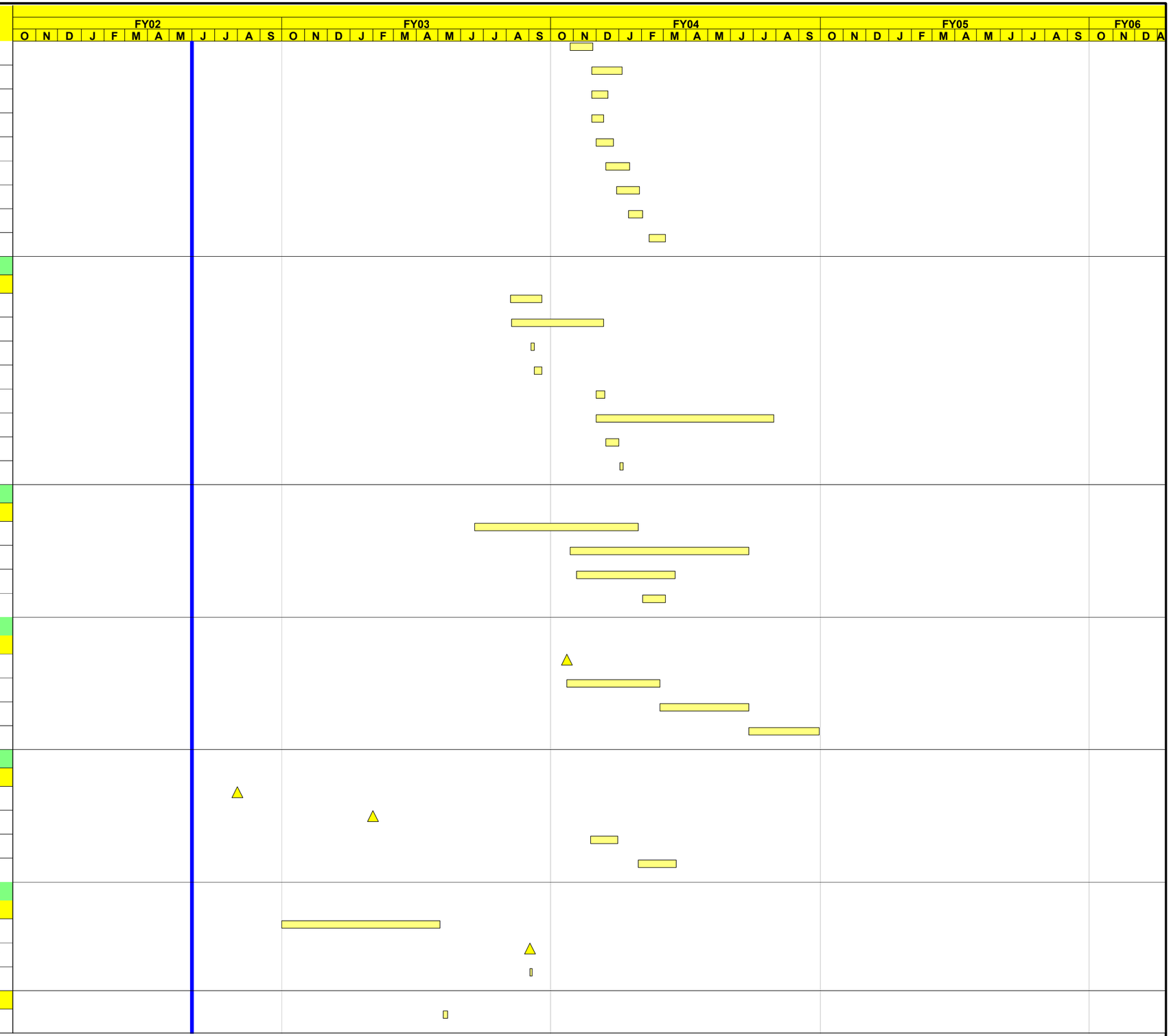
Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
ASHT000200	LAMS RF Waveguide Installation	476	21	0	12MAY03	10JUN03
ASHS007040	HEBT_ME9 System Installation	490	118	0	07AUG03	28JAN04
ASHS007090	HEBT_ME9 System Integrated Testing	490	49	0	29JAN04	07APR04
1.05 1.5 Ring and Transport System						
1.05.13 1.5.13 Ring Field Coordination						
1.05.13.01 Ring Field Coordination						
AS05131012	ORNL ASD Field Coordination FY02	188	207	60	03DEC01A	30SEP02
AS10128510	Survey & Alignment Eqpt FY02	1,000	207	33	03DEC01A	30SEP02
AS10128512	Magnet Measurement Eqpt FY02	1,000	207	61	03DEC01A	30SEP02
AS10128513	Power Supplies Eqpt FY02	1,000	207	70	03DEC01A	30SEP02
AS05130013	ORNL ASD Field Coordination FY03	188	250	0	01OCT02*	30SEP03
AS10028501	Ring Equip and Consumables - FY03	188	250	0	01OCT02	30SEP03
AS05130014	ORNL ASD Field Coordination FY04	188	251	0	01OCT03*	30SEP04
AS10028502	Ring Equip and Consumables - FY04	188	251	0	01OCT03	30SEP04
AS05130015	ORNL ASD Field Coordination FY05	188	250	0	01OCT04*	30SEP05
AS10028503	Ring Equip and Consumables - FY05	188	250	0	01OCT04	30SEP05
AS05130016	ORNL ASD Field Coordination 1st Qrtr FY06	188	61	0	03OCT05*	30DEC05
AS10028504	Ring Equip and Consumables - FY06	188	61	0	03OCT05	30DEC05
1.05.13.02 Ring Spares						
AS15132065	Ring Spares - FY03	188	250	0	01OCT02*	30SEP03
AS15132070	Ring Spares - FY04	188	251	0	01OCT03*	30SEP04
AS15132074	Ring Spares - FY05	188	250	0	01OCT04*	30SEP05
AS15132075	Ring Spares - FY06	188	61	0	03OCT05*	30DEC05
1.05.13.04 Ring FC Diagnostics						
AS15134011	Clerical Sppt - FY02	188	188	55	02JAN02A	30SEP02
AS15134021	Clerical Sppt - FY03	188	250	0	01OCT02	30SEP03
AS15134031	Clerical Sppt - FY04	188	251	0	01OCT03	30SEP04
AS15134041	Clerical Sppt - FY05	188	250	0	01OCT04	30SEP05
AS15134051	Clerical Sppt - FY06	188	61	0	03OCT05	30DEC05
1.05.13.05 Injection Stripping Foil						
AS05130501	Foil Fabrication (ORNL-UT)		250	100	01JUN01A	30NOV01A
AS05131501	Foil Fabrication (ORNL-UT)	1,000	126	80	03DEC01A	30SEP02
1.05.13.14 Ring FC Mechanical						
AS05132401	ASD Ring FC Mechanical FY02	1,000	207	60	03DEC01A	30SEP02
1.05.13.18						
1.05.13.18.01						
AS05131611	Installation Svcs (FY02)	249	207	60	03DEC01A	30SEP02
AS05130621	Installation Svcs (FY03)	249	250	0	01OCT02	30SEP03
ASTT000510	IPL - BOD RTBT	681	0	0		12FEB03
ASHT000090	IPL - BOD HEBT Tunnel/Svc Bldg	476	0	0		28MAR03
ASHS000520	HEBT Svc Building Prep	490	38	0	31MAR03*	22MAY03
ASHT000100	LAMS and HEBT Tunnel Building Prep	476	66	0	31MAR03	02JUL03
ASRS000510	IPL - BOD Ring Svc Bldg	565	0	0		09APR03
ASTS001015	IPL - BOD RTBT Svc Bldg	758	0	0		30APR03*
ASTS001020	RTBT Svc Building Prep	758	37	0	01MAY03*	23JUN03



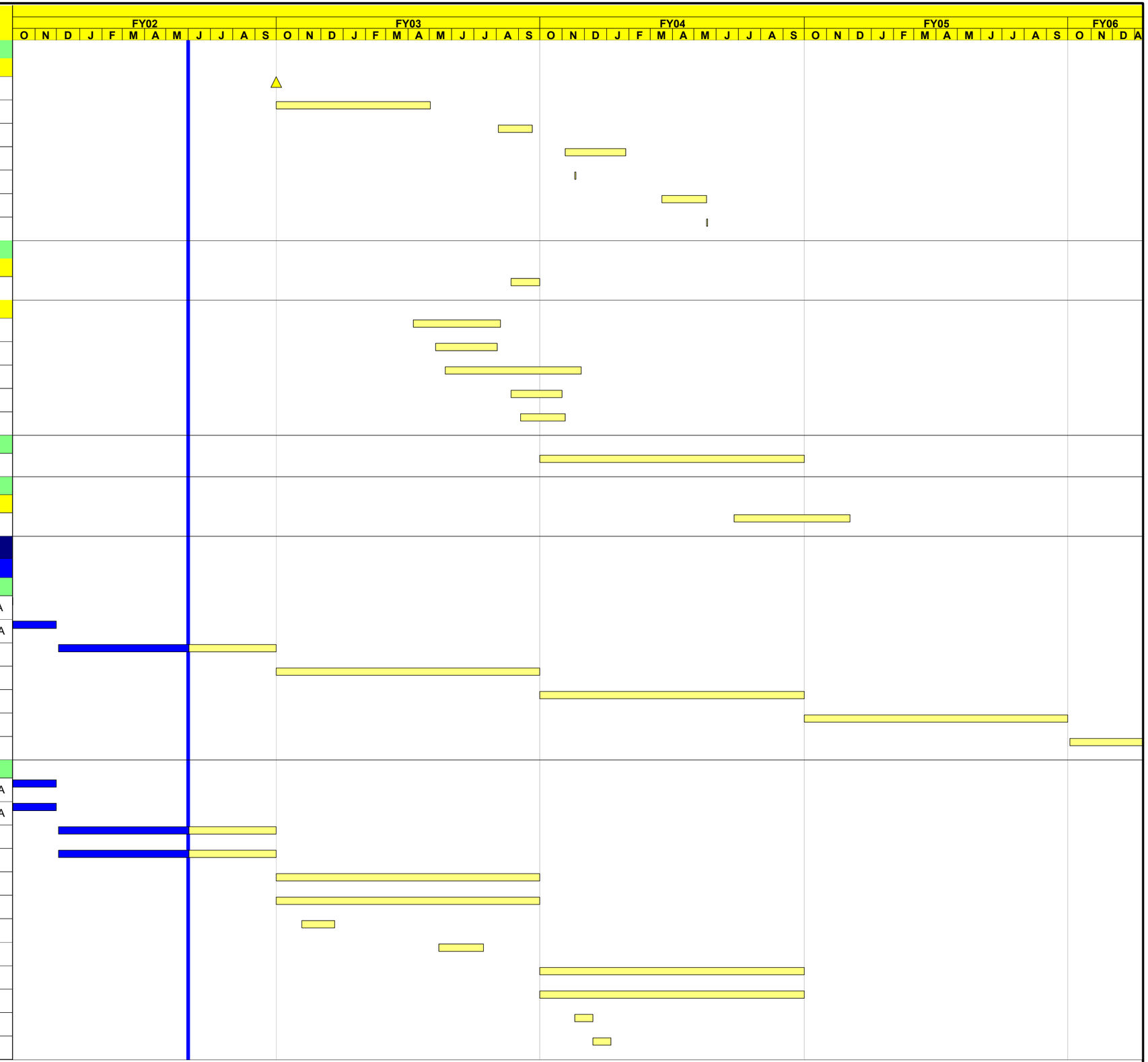
Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
ASAT000510	IPL - BOD Ring Tunnel	727	0	0		08MAY03
ASAT000520	Ring Tunnel Building Prep	727	71	0	09MAY03*	20AUG03
ASRS000520	Ring Svc Building Prep	543	35	0	12MAY03*	30JUN03
ASTT000520	RTBT Tunnel Building Prep	573	32	0	21JUL03*	03SEP03
AS05130631	Installation Svcs (FY04)	249	251	0	01OCT03	30SEP04
AS05130641	Installation Svcs (FY05)	249	250	0	01OCT04	30SEP05
1.05.14 ORNL Ring Assembly & Installation						
1.05.14.01 ORNL HEBT Assembly & Installation						
1.05.14.01.01 ORNL LAMS Assembly & Installation						
ASHB000095	LAMS - Prepare LAMS Magnets in RATS	990	120	8	22MAR02A	14OCT02
ASHE001060	Install LAMS Components	476	35	0	12MAY03	30JUN03
ASHE002660	Install LAMS Collimator Components	619	27	0	19MAY03	25JUN03
1.05.14.01.02 ORNL HEBT Assembly & Installation						
ASHB000635	HEBT - Prepare HEBT Arc Magnets in RATS	448	312	10	22MAR02A	19JUN03
ASHE005420	Install HEBT Arc Magnet Components	737	33	0	03SEP03*	17OCT03
ASHS020110	HEBT Svc Bldg Control Rack Installation	744	15	0	18SEP03	08OCT03
1.05.14.01.03 ORNL Linac Dump Assembly & Installation						
ASHE002650	IPL - Deliver LAMS Collimator	776	0	0		30SEP02
ASDUL00450	IPL - Deliver Linac Dump Magnets	695	0	0		18DEC02
ASDUL00455	Linac Dump - Prepare Magnets in RATS	695	47	0	19DEC02*	27FEB03
ASDUL00540	Install Linac Dump Magnets	695	6	0	28FEB03*	07MAR03
ASHE041110	Install Linac Dump Beam Pipes	448	4	0	27JAN04	30JAN04
1.05.14.02 ORNL Injection Assembly & Installation						
1.05.14.02.01 ORNL Ring Injection Assembly & Installation						
ASRQA03325	IPL - Deliver Injection Straight Magnets	956	0	0		30SEP02
ASRQA03265	IPL - Deliver Ring Injection Kicker Magnets	791	0	0		01OCT02*
ASRQA03330	Inspect Ring Injection Straight Magnets	956	44	0	01OCT02*	03DEC02
ASRQA03270	Inspect Ring Injection Kicker Magnets	791	208	0	02OCT02*	01AUG03
1.05.14.02.02 ORNL Ring Injection Dump Assy & Installation						
ASDUI01560	IPL - Deliver Injection Dump Magnets	926	0	0		17JAN03
ASDUI01565	Inj Dump - Process Magnets for Installatio	922	4	0	21JAN03*	24JAN03
ASDUI01020	Install Injection Dump Magnets	847	3	0	08MAY03*	12MAY03
ASHE041200	Install Injection Dump Beam Pipes	586	9	0	14MAY04*	27MAY04
1.05.14.03 ORNL Magnet Assembly & Installation						
1.05.14.03.01 ORNL Ring Magnet Assembly & Installation						
ASRQB04085	IPL - Deliver Collimator Straight Magnets	939	0	0		30SEP02
ASRQC04590	IPL - Deliver Ring Extraction Straight Magnets	843	0	0		30SEP02
ASRQB04090	Inspect Collimator Straight Magnets	939	44	0	01OCT02*	03DEC02
ASRQD05105	IPL - Deliver Ring RF Straight Magnets	962	0	0		25NOV02
ASRQD05110	Inspect Ring RF Straight Magnets	841	107	0	28NOV02*	02MAY03
ASRQA00290	IPL - Deliver Ring Arc Half-Cells	352	0	0		21JAN03*
ASRQA00300	Inspect Ring SW Quadrant Arc Half-Cells	352	178	0	22JAN03*	03OCT03
ASRQB03760	Inspect NW Quadrant Arc Half-Cells	497	178	0	22JAN03*	03OCT03
ASRQC04270	Inspect NE Quadrant Arc Half-Cells	694	173	0	11FEB03*	16OCT03
ASRQD04780	Inspect SE Quadrant Arc Half-Cells	717	173	0	11FEB03*	16OCT03
ASRQA00440	Install Ring SW Quadrant Lattice Comp	337	23	0	27OCT03*	26NOV03



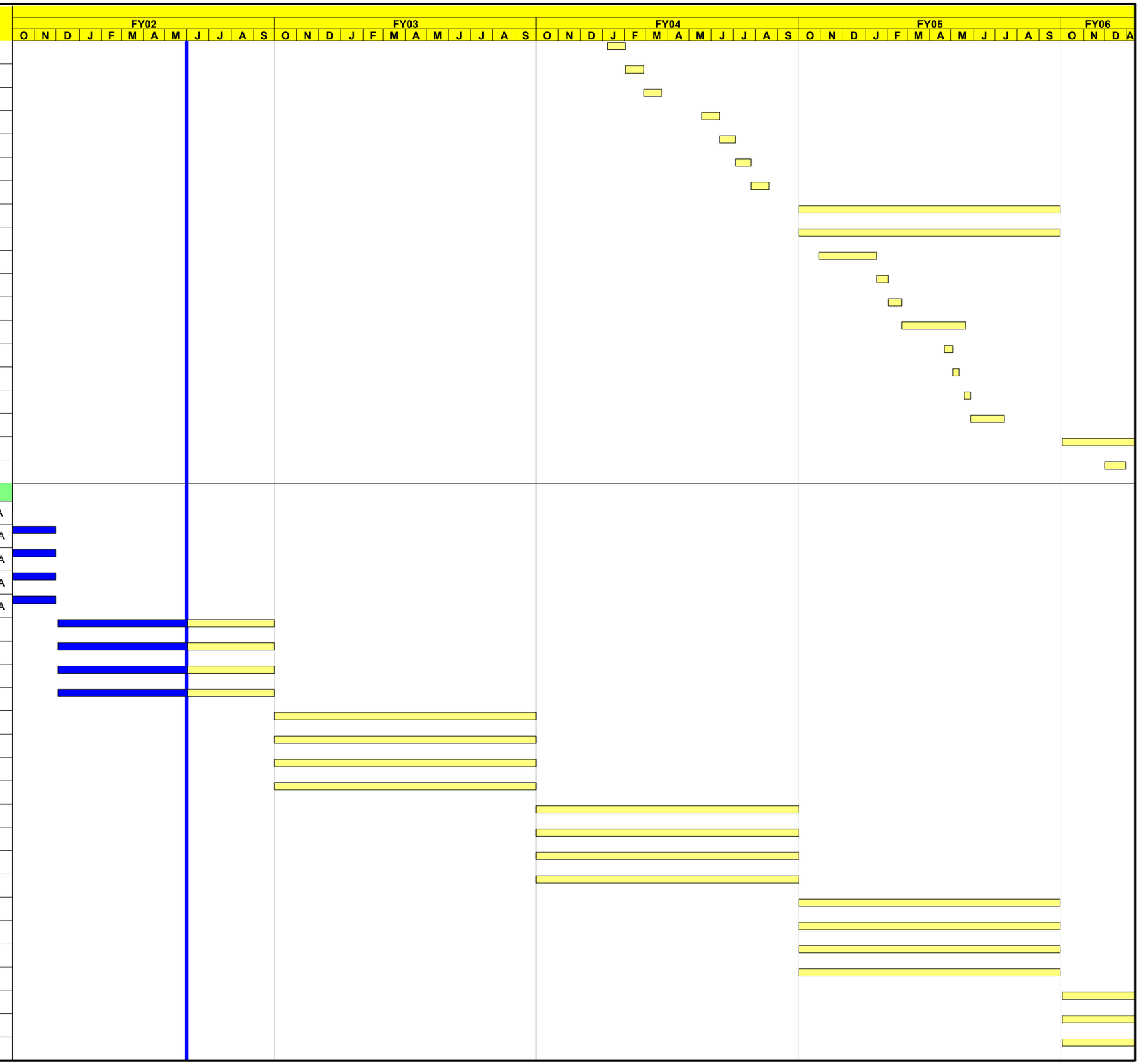
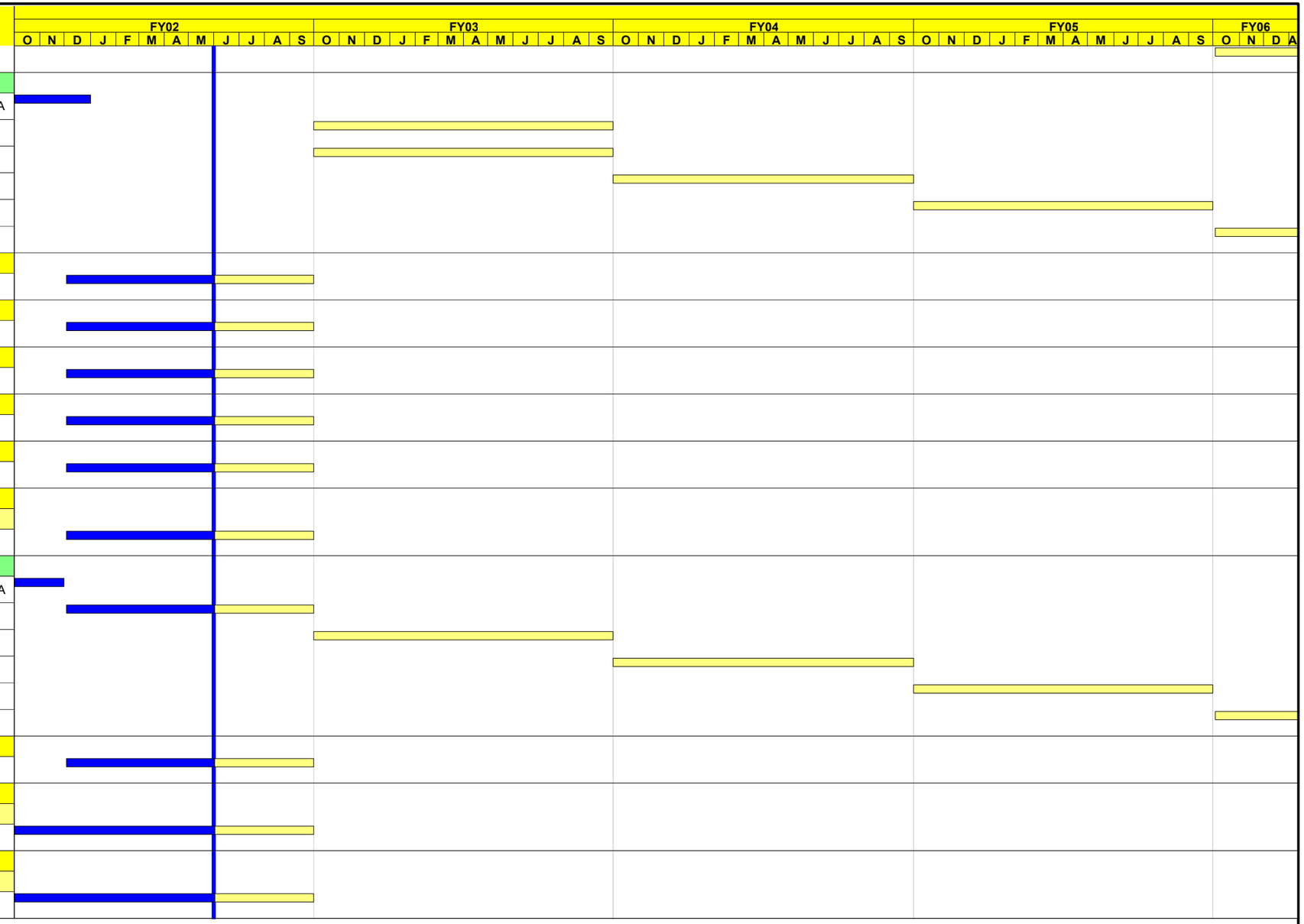
Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
ASRQC08440	Install Ring NE Quadrant Lattice Comp	688	23	0	27OCT03*	26NOV03
ASRQA02240	Install Ring Injection Lattice Comp	686	24	0	26NOV03*	05JAN04
ASRQC10240	Install Ring Extraction Lattice Components	620	13	0	26NOV03*	16DEC03
ASRQC10420	Install Extraction Straight Components	700	10	0	26NOV03*	11DEC03
ASRQA02640	Install Ring Injection Straight Components	692	17	0	01DEC03*	23DEC03
ASRQD11840	Install Ring SE Quadrant Lattice Comp	678	21	0	15DEC03*	15JAN04
ASRQB05040	Install Ring NW Quadrant Lattice Comp	441	21	0	29DEC03*	28JAN04
ASRQD13820	Install RF Straight Components	667	12	0	15JAN04*	02FEB04
ASRQB07020	Install Collimator Straight Components	644	17	0	11FEB04*	04MAR04
1.05.14.04 ORNL Power Supply Assembly & Installation						
1.05.14.04.01 ORNL Ring Power Supply Installation						
ASHS015120	HEBT Svc Bldg Power Supply Installation	744	29	0	07AUG03	17SEP03
ASHE050120	HEBT Power Supply Testing	700	87	0	08AUG03*	11DEC03
ASTS011510	Install Extraction Dump Power Supplies	766	3	0	04SEP03	08SEP03
ASDUL50120	Linac Dump Power Supply Tests	561	9	0	08SEP03*	18SEP03
ASRS010210	Install HEBT Power Supplies	685	10	0	01DEC03*	12DEC03
ASRS010400	Install Ring Power Supplies	543	166	0	01DEC03*	29JUL04
ASRS010300	Install RTBT Power Supplies	685	11	0	15DEC03*	31DEC03
ASRS010350	Install Main Ring Dipole Power Supply	685	3	0	02JAN04*	06JAN04
1.05.14.05 ORNL Vacuum Assembly & Installation						
1.05.14.05.01 ORNL Ring Vacuum Assembly & Installation						
ASHE040020	Install HEBT Vacuum Components	448	148	0	20JUN03	26JAN04
ASRI030020	Install Ring Vacuum Systems	337	166	0	27OCT03	24JUN04
ASRT025020	Install RTBT Vacuum Systems	573	90	0	05NOV03	17MAR04
ASHE045880	HEBT Vacuum Pumpdown	448	23	0	02FEB04	03MAR04
1.05.14.06 ORNL RF Assembly & Installation						
1.05.14.06.01 ORNL Ring RF Assembly & Installation						
ASRQD05115	IPL - Deliver Ring RF Components	337	0	0		22OCT03
ASRQD05120	Install Ring RF Components	337	84	0	23OCT03*	25FEB04
ASRQD05130	Ring RF System Test	337	84	0	26FEB04	24JUN04
ASRQD05140	Ring RF Integrated Testing	501	65	0	25JUN04	28SEP04
1.05.14.08 ORNL Collimation & Schielding Assembly & Install						
1.05.14.08.01 ORNL Ring Collimation Assembly & Installation						
ASRI006810	IPL - Deliver Ring Collimator	886	0	0		31JUL02
ASRT005055	IPL - Deliver RTBT Collimator	833	0	0		31JAN03
ASRT005060	Install RTBT Collimators	628	22	0	24NOV03*	29DEC03
ASRI006820	Install Ring Collimators	515	37	0	28JAN04*	18MAR04
1.05.14.09 ORNL Extraction Assembly & Installation						
1.05.14.09.01 ORNL Ring Extraction Assy & Installation						
ASRQC04600	Inspect Extraction Straight Magnets	843	147	0	01OCT02*	02MAY03
ASRQC04530	IPL - Deliver Extraction Kicker Magnets	678	0	0		02SEP03*
ASRQC04540	Inspect Extraction Kicker Magnets	678	2	0	03SEP03*	04SEP03
1.05.14.09.02 ORNL Ring Extraction Dump Assy & Installation						
ASDUE01080	Install Extraction Dump Magnets	847	3	0	08MAY03*	12MAY03



Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
1.05.14.10 ORNL RTBT Assembly & Installation						
1.05.14.10.01 ORNL Ring RTBT Assembly & Installation						
ASRT001600	IPL - Deliver RTBT Magnets	854	0	0		30SEP02
ASRT001605	RTBT - Process Magnets for Installation	854	146	0	01OCT02*	01MAY03
ASTS010210	Install RTBT PS/Vac/Diag/Ctrl Racks	757	34	0	04AUG03	19SEP03
ASRT001080	Install RTBT Lattice Components	573	53	0	05NOV03*	26JAN04
ASRT004280	Prelim Installation of 15-Degree Dipol	630	2	0	18NOV03*	19NOV03
ASRT050120	RTBT Integrated Systems Testing	573	42	0	18MAR04*	17MAY04
ASTS075110	RTBT-Install Target Protection System	591	2	0	18MAY04*	19MAY04
1.05.14.11 AC Distribution, Trays and Cables						
1.05.14.11.01 Buss						
ASAT003620	Install Main Ring Copper Buss	750	28	0	21AUG03	30SEP03
1.05.14.11.02 ORNL Ring AC Power Distr/Tray/Cables Install						
ASHS002060	HEBT Svc Bildg AC Distr/Tray/Cable Install	490	84	0	08APR03	06AUG03
ASTS002040	RTBT AC Power Distr/Tray/Cables	757	58	0	09MAY03	01AUG03
ASRS002020	Ring Svc Building AC Distribution	543	131	0	22MAY03	26NOV03
ASAT002000	Ring AC Power Distr/Tray/Cable	727	51	0	21AUG03	31OCT03
ASTT002520	RTBT Tunnel AC Power Distr/Tray/Cables	573	44	0	04SEP03	04NOV03
1.05.14.12 BNL Installation Support						
AS05114090	BNL Install/Eqpt Testing Sppt - FY04	500	250	0	01OCT03*	29SEP04
1.05.14.13						
1.05.14.13.01 ORNL Ring Systems Integrated Testing						
ASRI050220	Ring Integrated Systems Testing	337	110	0	25JUN04*	02DEC04
1.10 Pre-Operations						
1.10.02 1.10.2 ASD Pre-Operations						
1.10.02.01 1.10.2.1 Management Group						
AS10027102	Accelerator Division Mgt Support - FY01		292*	100	02OCT00A	28SEP01A
AS10027104	Accelerator Division Mgt Support - FY02		43	100	01OCT01A	30NOV01A
AS10127104	Accelerator Division Mgt Support - FY02	66	207*	60	03DEC01A	30SEP02
AS10027106	Accelerator Division Mgt Support - FY03	66	250	0	01OCT02*	30SEP03
AS10027108	Accelerator Division Mgt Support - FY04	66	251	0	01OCT03*	30SEP04
AS10027110	Accelerator Division Mgt Support - FY05	66	250	0	01OCT04*	30SEP05
AS10027112	Accelerator Division Mgt Support - FY06	66	183	0	03OCT05*	26JUN06
1.10.02.02 1.10.2.2 Operations Group						
AS10027126	Prepare to and Commission FE - FY02		43	100	01OCT01A	30NOV01A
AS10027128	Prepare to and Commission DTL-CCL - FY02		43	100	01OCT01A	30NOV01A
AS10127126	Prepare to and Commission FE - FY02	66	207*	60	03DEC01A	30SEP02
AS10127128	Prepare to and Commission DTL-CCL - FY02	66	207*	60	03DEC01A	30SEP02
AS10027127	Prepare to and Commission FE - FY03	66	250	0	01OCT02*	30SEP03
AS10027129	Prepare to and Commission DTL-CCL - FY03	66	250	0	01OCT02*	30SEP03
ASOP005010	Front End - Commissioning	825	46	0	05NOV02*	20DEC02
ASOP005020	DTL - 1 - Commissioning	822	62	0	13MAY03	13JUL03
AS10027130	Prepare to and Commission DTL-CCL - FY04	66	251	0	01OCT03*	30SEP04
AS10027131	Prepare to and Commission SRF - FY04	66	251	0	01OCT03*	30SEP04
ASOP005030	DTL - 2 - Commissioning	829	25	0	18NOV03	12DEC03
ASOP005040	DTL - 3 - Commissioning	829	25	0	13DEC03	06JAN04



Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
ASOP005050	DTL - 4 - Commissioning	828	25	0	08JAN04	01FEB04
ASOP005060	DTL - 5 - Commissioning	828	25	0	02FEB04	26FEB04
ASOP005070	DTL - 6 - Commissioning	828	25	0	27FEB04	22MAR04
ASOP005080	CCL - 1 - Commissioning	772	25	0	18MAY04	11JUN04
ASOP005090	CCL - 2 - Commissioning	772	22	0	12JUN04	03JUL04
ASOP005100	CCL - 3 - Commissioning	772	22	0	04JUL04	25JUL04
ASOP005110	CCL - 4 - Commissioning	772	25	0	26JUL04	19AUG04
AS10027132	Prepare to and Commission SRF - FY05	66	250	0	01OCT04*	30SEP05
AS10027133	Prepare to and Commission Ring Sys - FY05	66	250	0	01OCT04*	30SEP05
ASOP005120	SCL Commissioning	414	81	0	28OCT04	16JAN05
ASOP005130	Linac Dump Commissioning	414	17	0	17JAN05	02FEB05
ASOP005140	HEBT Commissioning	414	19	0	03FEB05	21FEB05
ASOP005160	Ring Commissioning	414	88	0	22FEB05	20MAY05
ASOP005170	Extraction Commissioning	414	11	0	22APR05	02MAY05
ASOP005150	Injection Commissioning	414	9	0	03MAY05	11MAY05
ASOP005190	Machine Protection and Fault Studies	414	8	0	20MAY05	27MAY05
ASOP005200	Studies Relative to High-Intensity Ops	414	47	0	28MAY05	13JUL05
AS10027134	Prepare to and Commission Ring Sys - FY06	66	183	0	03OCT05*	26JUN06
ASOP005180	RTBT Commissioning	274	30	0	01DEC05*	30DEC05
1.10.02.03 1.10.2.3 Accelerator Physics Group						
AS10027175	Accel Phys Section Mgt Support - FY01		227*	100	01NOV00A	28SEP01A
AS10027176	Coordinate-Support Physics Design - FY02		43	100	01OCT01A	30NOV01A
AS10027182	Prep/Commission/Operate FE & Linac FY02		43	100	01OCT01A	30NOV01A
AS10027188	Prep/Commission/Operate Ring Syst FY02		43	100	01OCT01A	30NOV01A
AS10027194	Complete/Test DB & Beam App Codes FY02		43	100	01OCT01A	30NOV01A
AS10127176	Coordinate-Support Physics Design - FY02	66	207*	60	03DEC01A	30SEP02
AS10127182	Prep/Commission/Operate FE & Linac FY02	66	207*	60	03DEC01A	30SEP02
AS10127188	Prep/Commission/Operate Ring Syst FY02	66	207*	60	03DEC01A	30SEP02
AS10127194	Complete/Test DB & Beam App Codes FY02	66	207*	60	03DEC01A	30SEP02
AS10027177	Coordinate-Support Physics Design - FY03	66	250	0	01OCT02*	30SEP03
AS10027183	Prep/Commission/Operate FE & Linac FY03	66	250	0	01OCT02*	30SEP03
AS10027189	Prep/Commission/Operate Ring Syst FY03	66	250	0	01OCT02*	30SEP03
AS10027195	Complete/Test DB & Beam App Codes FY03	66	250	0	01OCT02*	30SEP03
AS10027178	Coordinate-Support Physics Design - FY04	66	251	0	01OCT03*	30SEP04
AS10027184	Prep/Commission/Operate FE & Linac FY04	66	251	0	01OCT03*	30SEP04
AS10027190	Prep/Commission/Operate Ring Syst FY04	66	251	0	01OCT03*	30SEP04
AS10027196	Complete/Test DB & Beam App Codes FY04	66	251	0	01OCT03*	30SEP04
AS10027179	Coordinate-Support Physics Design - FY05	66	250	0	01OCT04*	30SEP05
AS10027185	Prep/Commission/Operate FE & Linac FY05	66	250	0	01OCT04*	30SEP05
AS10027191	Prep/Commission/Operate Ring Syst FY05	66	250	0	01OCT04*	30SEP05
AS10027197	Complete/Test DB & Beam App Codes FY05	66	250	0	01OCT04*	30SEP05
AS10027180	Coordinate-Support Physics Design - FY06	66	183	0	03OCT05*	26JUN06
AS10027186	Prep/Commission/Operate FE & Linac FY06	66	183	0	03OCT05*	26JUN06
AS10027192	Prep/Commission/Operate Ring Syst FY06	66	183	0	03OCT05*	26JUN06



Activity ID	Activity Description	Total Float	Orig Dur	%	Early Start	Early Finish
AS10027198	Complete/Test DB & Beam App Codes FY06	66	183	0	03OCT05*	26JUN06
1.10.02.04 1.10.2.4 Accelerator Technology Groups						
AS10027215	Technology Sppt FY01 and 1st Qtr FY02		124	100	01OCT01A	31DEC01A
AS10027206	Technology Sppt to Commisssioning FY03	67	250	0	01OCT02*	30SEP03
AS10027210	Technology Sppt to Commisssioning FY03	750	250	0	01OCT02*	30SEP03
AS10027207	Technology Sppt to Commisssioning FY04	67	251	0	01OCT03*	30SEP04
AS10027208	Technology Sppt to Commisssioning FY05	67	249	0	01OCT04*	29SEP05
AS10027209	Technology Sppt to Commisssioning FY06	66	183	0	03OCT05*	26JUN06
1.10.02.04.02 1.10.2.4.2 Ion Source Group						
AS10127503	Ion Source FY02 Activity	1,000	207*	60	03DEC01A	30SEP02
1.10.02.04.04 1.10.2.4.4 Power Supply Group						
AS10128514	Ring Power Supplies FY02	1,000	207*	60	03DEC01A	30SEP02
1.10.02.04.05 1.10.2.4.5 Mechanical Group						
AS10127501	Magnet Measurement FY02 Activity	1,000	207*	60	03DEC01A	30SEP02
1.10.02.04.06 1.10.2.4.6 Survey & Alignment Group						
AS10127502	Survey & Alignment FY02 Activity	1,000	188	60	03DEC01A	30SEP02
1.10.02.04.07 1.10.2.4.7 Diagnostics Group						
AS10127500	Diagnostics FY02 Activity	1,000	207*	60	03DEC01A	30SEP02
1.10.02.04.08						
1.10.02.04.08.02						
AS10020534	Ion Source Grp Lab Equip - FY02	188	207*	60	03DEC01A	30SEP02
1.10.02.05 1.10.2.5 Controls Group						
AS10027200	Controls Support to Commissioning FY02		43	100	01OCT01A	30NOV01A
AS10127200	Controls Support to Commissioning FY02	66	207*	60	03DEC01A	30SEP02
AS10027201	Controls Support to Commissioning FY03	66	250	0	01OCT02*	30SEP03
AS10027202	Controls Support to Commissioning FY04	66	251	0	01OCT03*	30SEP04
AS10027203	Controls Support to Commissioning FY05	66	250	0	01OCT04*	30SEP05
AS10027204	Controls Support to Commissioning FY06	66	183	0	03OCT05*	26JUN06
1.10.02.05.01 1.10.2.5.1 Controls Group						
AS10020554	Controls Section Mgt Support - FY02	188	207*	60	03DEC01A	30SEP02
1.10.02.05.02 1.10.2.5.2 Safety Systems Group						
1.10.02.05.02.02 1.10.2.5.2.2 Controls Group Equipment						
AS10020584	Controls Group Equip - FY02	188	250*	67	01OCT01A	30SEP02
1.10.02.05.03 1.10.2.5.3 Personnel Protection Systems						
1.10.02.05.03.02 1.10.2.5.3.2 Personnel Prot'n Sys Equip						
AS10020614	Personnel Protection Sys Equip - FY02	188	250*	67	01OCT01A	30SEP02