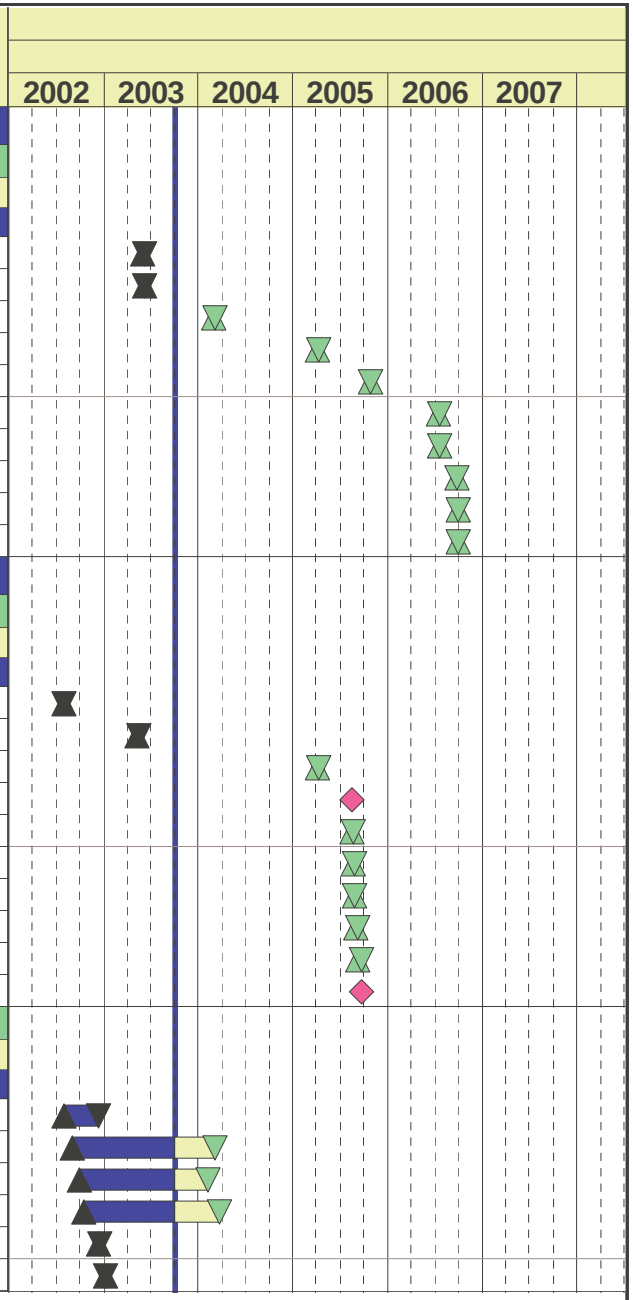
Activ ID	Activity Description	Current Start	Current Finish
Glast Major Milestones			
Glast Major Milestones			
Glast Major Milestones			
Glast Major Milestones			
0121	Mission PDR	03JUN03A	05JUN03A
0124	Mission NAR	06JUN03A	06JUN03A
0127	Mission CDR	01MAR04*	03MAR04
0130	Mission MOR	05APR05*	07APR05
0133	Mission PER	27OCT05*	27OCT05
0150	Mission ORR	17JUL06*	17JUL06
0076	Mission PSR	21JUL06	21JUL06
0085	Mission FRR	26SEP06	26SEP06
0088	Mission LRR	29SEP06	29SEP06
0091	Launch	30SEP06	30SEP06*
LAT Instrument			
LAT Major Milestones			
LAT Major Milestones			
LAT Major Milestones			
0001	LAT Delta PDR	30JUL02A	01AUG02A
0004	LAT CDR	12MAY03A	16MAY03A
0010	LAT PER	06APR05*	06APR05
0073	LAT I&T Complete/Ready @ NRL		16AUG05
0268	Prep & Ship LAT to SLAC from NRL	17AUG05	18AUG05
0109	LAT Placed in Storage @ SLAC	23AUG05	23AUG05
0016	LAT PSR	24AUG05	24AUG05
0019	LAT Ship to S/C Vendor for Observatory I&T	01SEP05*	03SEP05
0058	LAT Unpack, Post-Ship Testing/Checkout	06SEP05	21SEP05
0295	LAT Ready for Observatory I&T @ S/C Vendor		21SEP05
LAT ACD			
LAT ACD Top-Level Development/Milestones			
ACD Top-Level Development Milestones			
0148	ACD Detailed Design (SUM)	30JUL02A	11DEC02A
2509	Analog ASIC Development (3-Flt) (SUM)	03SEP02A	05MAR04
2512	Digital ASIC Development (SUM)	01OCT02A	03FEB04
2518	Receive & Integrate PMTs(1-240) w/RNs (SUM)	15OCT02A	22MAR04
0177	Mechanical Team PEER Review	12DEC02A	18DEC02A
0157	ACD CDR	07JAN03A	08JAN03A



Start Date	03APR00
Finish Date	21DEC06
Data Date	01OCT03
Run Date	04NOV03 12:08

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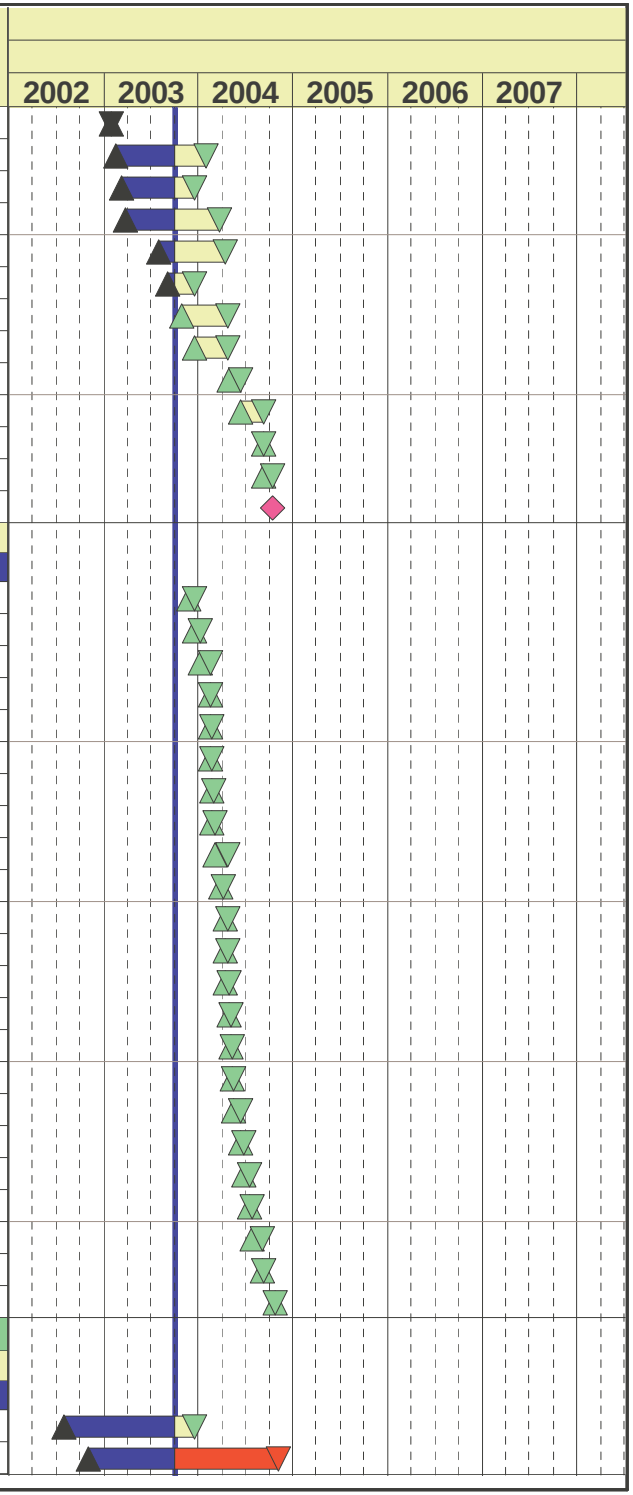
Early Bar
Progress Bar
Critical Activity

GL10

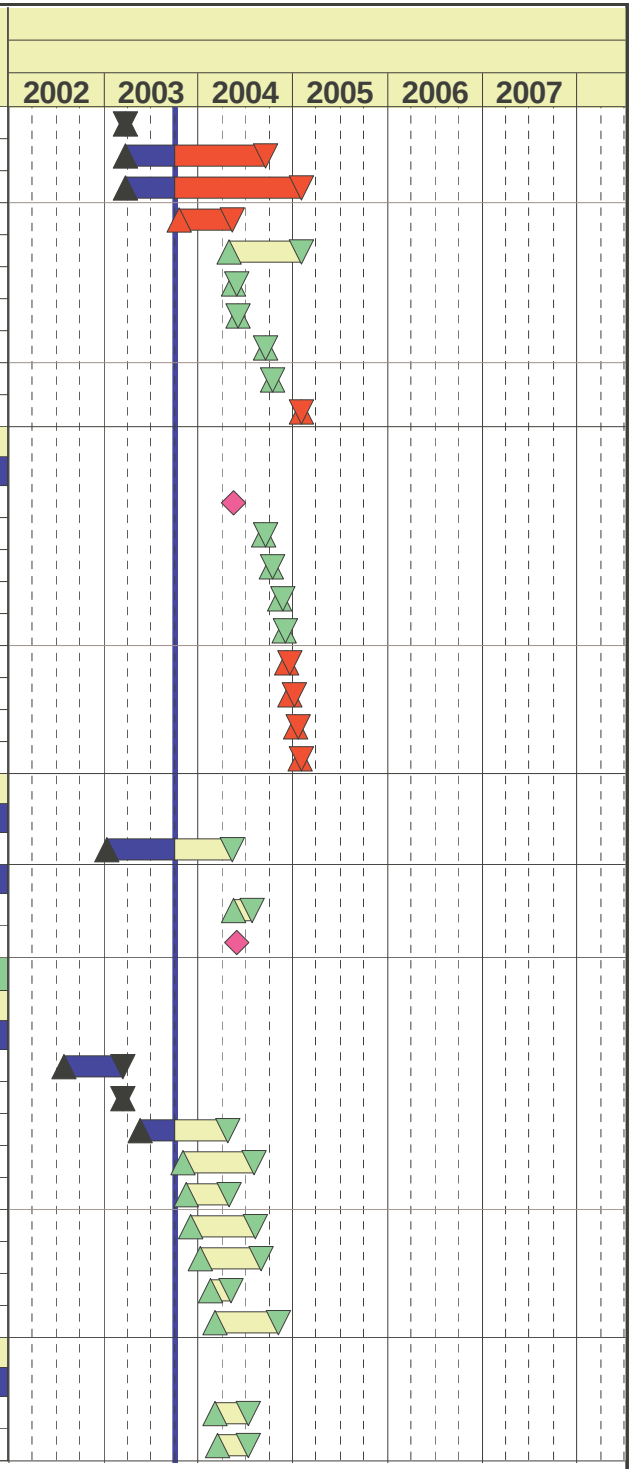
GLAST Project Schedule
Mid-Level Tasks
Status as of 10/1/03

Date	Revision	Checked	Approved

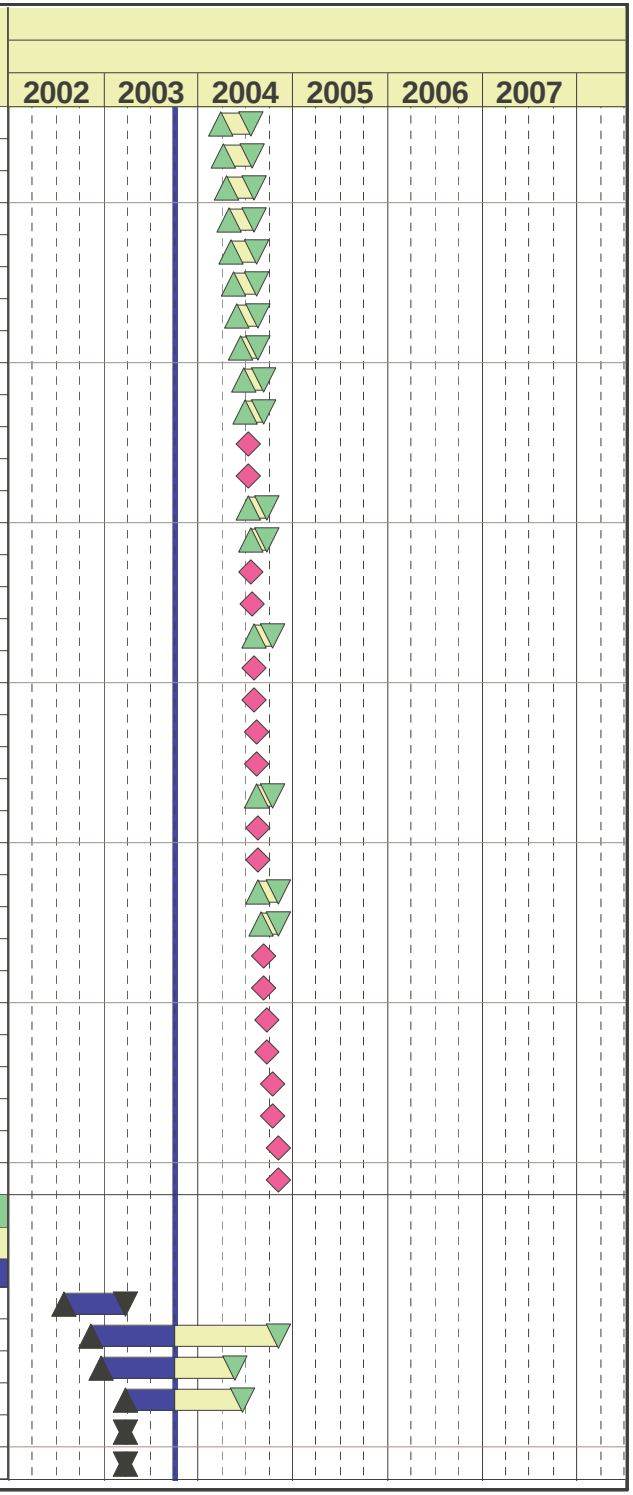
Activ ID	Activity Description	Current Start	Current Finish
2533	Event Simulator RFI	31JAN03A	31JAN03A
2521	Flight TDA Fab, Assy & Test (SUM)	18FEB03A	29JAN04
2527	Flight Shell Subassy Development (SUM)	12MAR03A	15DEC03
2530	Flight Micrometeroid Shield Development (SUM)	27MAR03A	19MAR04
2506	FU High Voltage Bias Supply (SUM)	31JUL03A	15APR04
2503	Flight Base Frame Development (SUM)	02SEP03A	15DEC03
2515	FREE FU Development (SUM)	27OCT03	21APR04
0017	ACD Subsystem Integration & Test (SUM)	16DEC03	21APR04
0032	ACD System Integration & Test (SUM)	28APR04	11JUN04
0035	ACD Environmental Testing (SUM)	14JUN04	09SEP04
0048	ACD PSR	10SEP04	10SEP04
0038	ACD Shipping, Unpacking, Testing @ SLAC, RFI	13SEP04	15OCT04
0041	ACD Flight Unit @ SLAC, Tested, Inspected & RFI		15OCT04
LAT ACD Integration & Test			
ACD Integration & Test			
0545	TSA Mechanical Subsystem Integration	25NOV03*	16DEC03
0554	BEA Mechanical Subsystem I&T	16DEC03	07JAN04
0548	ACD Mech Subsys Tests-Vibe,Mass Prop,Acous,TVAC	08JAN04	17FEB04
0551	Deliver Qualified Mechanical Hardware to I&T	18FEB04	18FEB04
0026	Prepare Components (TSA)(Incl Flt TDA Spare-Drv)	19FEB04	25FEB04
0608	Prepare Components (BEA)	19FEB04	25FEB04
0611	Mate EGSE	26FEB04	27FEB04
0422	Install Clear Fibers & Ribbons	26FEB04	03MAR04
0605	Install & Test 17 Rows of TDAs (5 per Row)	04MAR04	21APR04
0674	2-6 Electronic Chassis Assy & Test	25MAR04*	05APR04
0614	1st Electronic Chassis Assy & Test	16APR04	21APR04
0734	9-10 Electronic Chassis Assy & Test	16APR04	21APR04
0704	7-8 Electronic Chassis Assy & Test	16APR04	27APR04
0593	TSA Integ to BEA/Mate&Test Fiber Cables to PMTs	28APR04	05MAY04
0596	Install & Test 4 TDAs & Perform ACD Functional	06MAY04	12MAY04
0599	Install Micrometeroid Shield/Thermal Blanket	13MAY04*	14MAY04
0602	ACD Performance Efficiency Verification Test	17MAY04	11JUN04
0227	EMI/EMC Prep, Test & Teardown	14JUN04	24JUN04
0581	Vibe Prep, Test & Teardown	25JUN04	14JUL04
0584	Acoustics Prep, Test & Teardown	15JUL04	26JUL04
0587	TVAC Balance & Cycling Prep, Test & Teardown	27JUL04	01SEP04
0590	Mass Properties Prep, Test & Teardown	02SEP04	09SEP04
0044	ACD Integration & Test NEED DATE	25OCT04*	25OCT04
LAT Tracker			
LAT Tracker Top-Level Development/Milestones			
TKR Top-Level Development/Milestones			
0166	TKR Tray Silicon Strip Detectors Dev (SUM)	02AUG02A	15DEC03
0196	TKR Trays Assembly (SUM)	01NOV02A	02NOV04



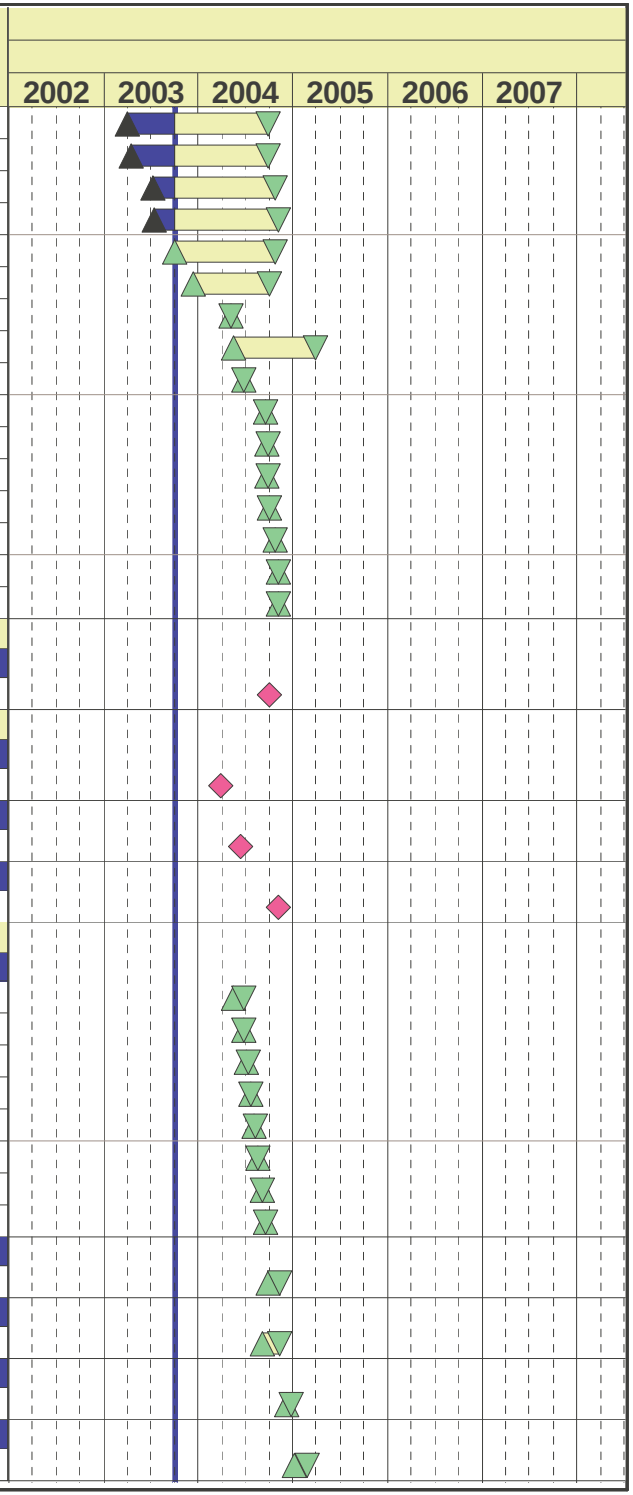
Activ ID	Activity Description	Current Start	Current Finish
0160	Tracker CDR	25MAR03A	25MAR03A
0011	TKR Tower Dev for CAL Unit(A,B,1-2)(SUM)	25MAR03A	16SEP04
0149	TKR FLT Tower Development (3-16) (SUM)	25MAR03A	02FEB05
0178	TKR Tray Electronics Development (SUM)	17OCT03	12MAY04
0199	TKR Towers Assembly & Test (SUM)	28APR04	02FEB05
0217	TKR Qual Towers Testing (A&B) (SUM)	19MAY04	28MAY04
0208	Tracker Mods A & B RFI (For Calibration Unit)	01JUN04	01JUN04
0211	Tracker Mods 1 & 2 RFI (For Calibration Unit)	16SEP04	16SEP04
0226	Flight Tracker Mods 3 & 4 RFI	15OCT04	15OCT04
0232	Flight Tracker Mods 15 & 16 RFI	02FEB05	02FEB05
LAT Tracker Tower Assembly			
TKR Tower Assembly & Test			
0979	TKR Qual Tower Assembly A & B Complete		18MAY04
0895	TKR Tower 1-2 Ship to SLAC	09SEP04	15SEP04
0910	Ship TKR Towers 3-4 to SLAC	07OCT04	14OCT04
0922	Ship TKR Towers 5-6 to SLAC	12NOV04	18NOV04
0931	Ship TKR Towers 7-8 to SLAC	29NOV04	02DEC04
0940	Ship TKR Towers 9-10 to SLAC	10DEC04	16DEC04
0949	Ship TKR Towers 11-12 to SLAC	20DEC04	05JAN05
0958	Ship TKR Towers 13-14 to SLAC	13JAN05	20JAN05
0967	Ship TKR Towers 15-16 to SLAC	27JAN05	01FEB05
LAT Tracker Tower Test & Calibration			
TKR EM Tower Testing (SLAC)			
0976	TKR EM Tower Testing & TKR CDR Preps @ SLAC	13JAN03A	10MAY04
TKR Qualification Tower Testing (SLAC)			
0982	TKR Qual Tower A&B Testing @ SLAC	19MAY04	26JUL04
0985	TKR Qual Towers A&B RFI		28MAY04*
LAT Calorimeter			
LAT Calorimeter Top-Level Development/Milestones			
LAT Calorimeter Top-Level Development/Milestones			
0040	Calorimeter Detailed Design	02AUG02A	14MAR03A
0154	Calorimeter CDR	17MAR03A	17MAR03A
2536	Cal CDE (FMA-16) Acct Test/Ship to France (SUM)	19MAY03A	26APR04
2545	Cal PEM Structure Fab & Test (FM1-16) (SUM)	03NOV03	30JUL04
2539	Cal CDE Dual Pin Diode (FM1-16) Dev (SUM)	17NOV03	28APR04
2542	Cal CDE Integration & Test (FM1-16) (SUM)	03DEC03	06AUG04
2548	Cal PEM Assy & Test (FM1-16) (SUM)	12JAN04	27AUG04
2551	Cal Analog Front End Elex Dev (FM1-16) (SUM)	20FEB04	07MAY04
2557	Cal Mods Assy & Test (FM1-16) (SUM)	08MAR04	02NOV04
Calorimeter Module Assembly, Test & Calibrations			
FLT Calorimeter Models Assy, Test & Calibration			
4363	Cal Mod FMA Assy & Test	08MAR04	12JUL04
4369	Cal Mod FMB Assy & Test	17MAR04*	12JUL04



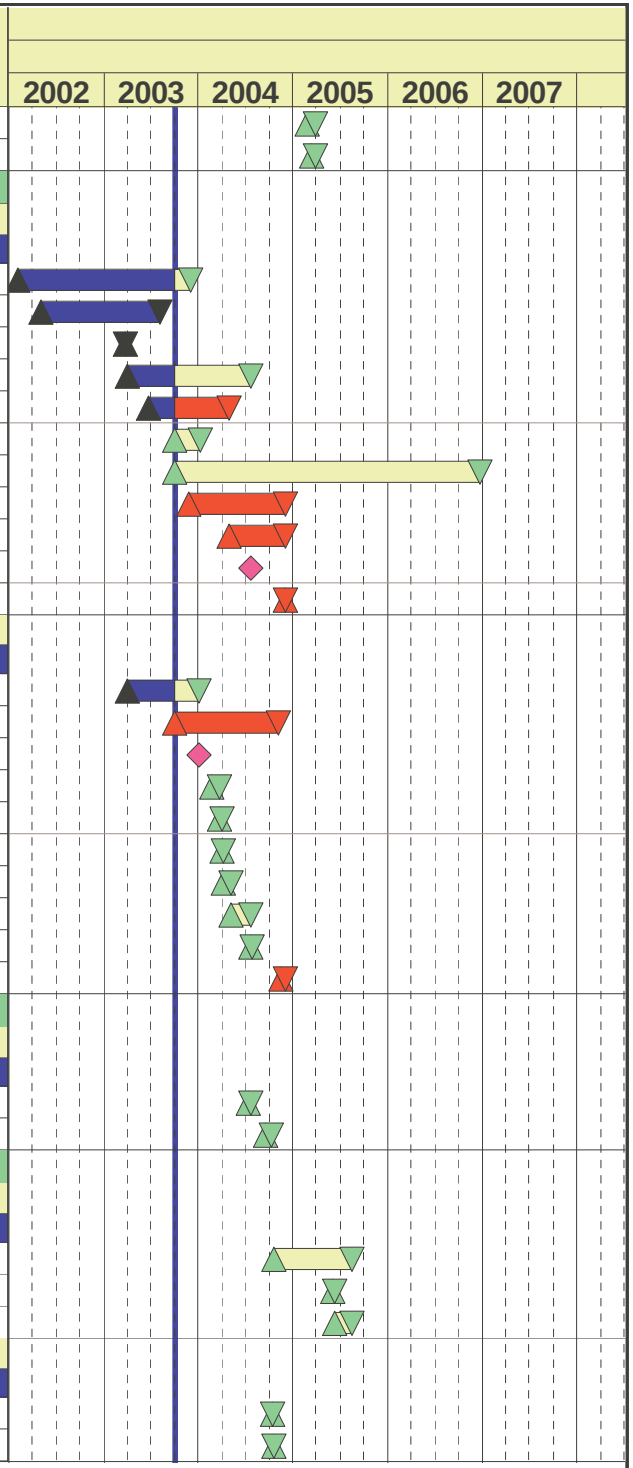
Activ ID	Activity Description	Current Start	Current Finish
4375	Cal Mod FM1 Assy & Test	29MAR04*	23JUL04
4381	Cal Mod FM2 Assy & Test	08APR04*	26JUL04
4387	Cal Mod FM3 Assy & Test	20APR04*	03AUG04
4393	Cal Mod FM4 Assy & Test	28APR04*	03AUG04
4399	Cal Mod FM5 Assy & Test	06MAY04*	10AUG04
4405	Cal Mod FM6 Assy & Test	14MAY04*	10AUG04
4411	Cal Mod FM7 Assy & Test	27MAY04*	20AUG04
4417	Cal Mod FM8 Assy & Test	11JUN04*	20AUG04
4423	Cal Mod FM9 Assy & Test	22JUN04*	07SEP04
4429	Cal Mod FM10 Assy & Test	01JUL04*	07SEP04
4366	Cal Mod FMA RFI		12JUL04
4372	Cal Mod FMB RFI		12JUL04
4435	Cal Mod FM11 Assy & Test	13JUL04*	23SEP04
4441	Cal Mod FM12 Assy & Test	22JUL04*	22SEP04
4378	Cal Mod FM1 RFI		23JUL04
4384	Cal Mod FM2 RFI		26JUL04
4447	Cal Mod FM13 Assy & Test	02AUG04*	12OCT04
4390	Cal Mod FM3 RFI		03AUG04
4396	Cal Mod FM4 RFI		03AUG04
4402	Cal Mod FM5 RFI		10AUG04
4408	Cal Mod FM6 RFI		10AUG04
4453	Cal Mod FM14 Assy & Test	11AUG04*	12OCT04
4414	Cal Mod FM7 RFI		20AUG04
4420	Cal Mod FM8 RFI		20AUG04
4459	Cal Mod FM15 Assy & Test	20AUG04*	02NOV04
4465	Cal Mod FM16 Assy & Test	31AUG04*	02NOV04
4426	Cal Mod FM9 RFI		07SEP04
4432	Cal Mod FM10 RFI		07SEP04
4444	Cal Mod FM12 RFI		22SEP04
4438	Cal Mod FM11 RFI		23SEP04
4450	Cal Mod FM13 RFI		12OCT04
4456	Cal Mod FM14 RFI		12OCT04
4462	Cal Mod FM15 RFI		02NOV04
4468	Cal Mod FM16 RFI		02NOV04
LAT Electronics			
LAT Electronics Top-Level Development/Milestones			
LAT Electronics Top-Level Development/Milestones			
0055	Electronics Detailed Design	02AUG02A	27MAR03A
0500	LAT Flight Software (SUM)	12NOV02A	03NOV04
0086	LAT TKR/CAL TEM Electronics (SUM)	20DEC02A	19MAY04
0224	LAT Data CPUs (and I/O Card) (SUM)	27MAR03A	18JUN04
0075	E&DAQ CDR	28MAR03A	28MAR03A
0105	Flight Software CDR	28MAR03A	28MAR03A



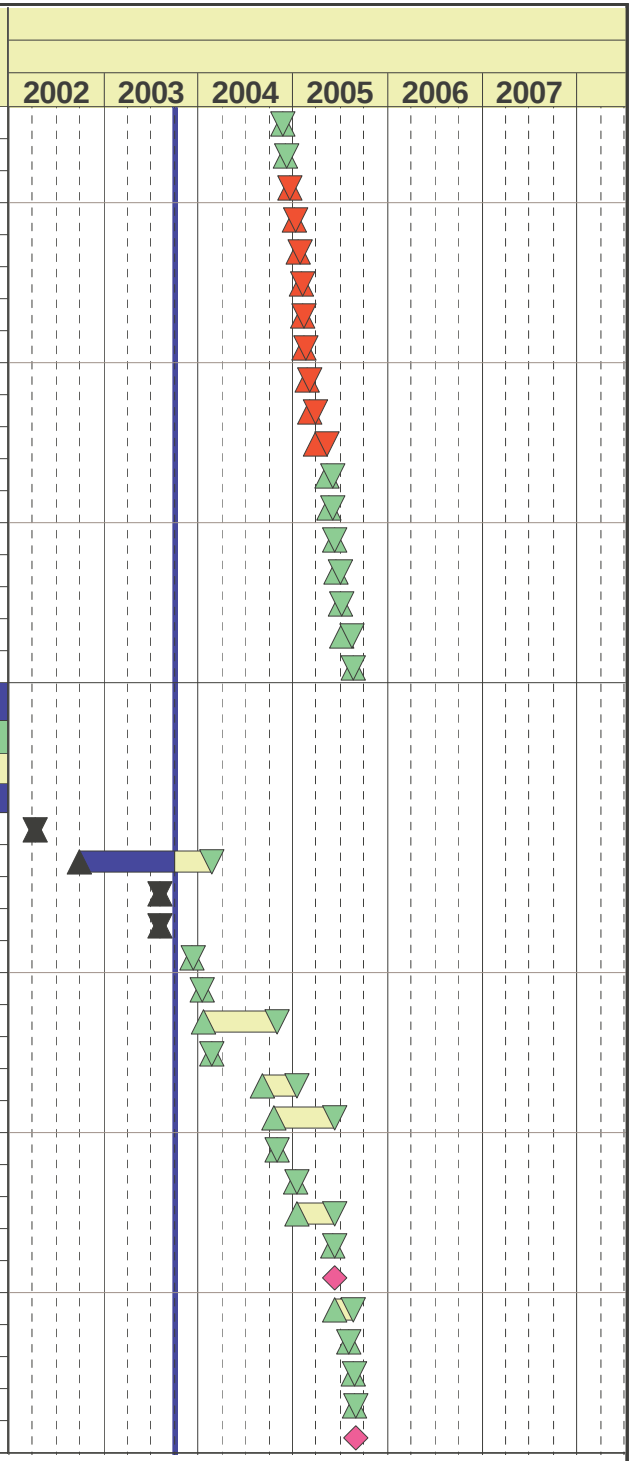
Activ ID	Activity Description	Current Start	Current Finish
0221	LAT ACD/TEM Electronics (SUM)	01APR03A	24SEP04
0269	LAT Global Trigger (GLT) Electronics (SUM)	16APR03A	24SEP04
0449	LAT Event Builder (SUM)	08JUL03A	26OCT04
0284	LAT Spacecraft I/F Communications Card (SUM)	17JUL03A	03NOV04
0452	LAT Power Switching Card (PSC) (SUM)	01OCT03	21OCT04
0473	LAT Cable Harness (SUM)	11DEC03	01OCT04
0065	Flight Unit EGSE RFI	05MAY04*	05MAY04
0515	LAT Electronics Instrument Integ & Test (SUM)	17MAY04	31MAR05
0047	Flight TKR/CAL TEM Assy 3 & 4 RFI	23JUN04	23JUN04
0050	Flight TKR/CAL TEM Assy 15 & 16 RFI	17SEP04	17SEP04
0080	Flight ACD/TEM Elec Mods 1,2 RFI	24SEP04	24SEP04
0071	Flight ICM/Global Trigger Elex (GLT) RFI	24SEP04	24SEP04
0083	Flight Cable Harness RFI	01OCT04	01OCT04
0077	Event Builder FU's RFI	26OCT04	26OCT04
0074	Flight S/C I/F Unit (SIU) RFI	03NOV04	03NOV04
0059	Flight Software Flight Model RFI	03NOV04	03NOV04
LAT Cable Harness			
LAT Cable Harness Qualification Unit			
1915	LAT Cable Harness Ready		01OCT04
LAT Flight Software			
LAT Flight Software Engineering Models			
1615	FSW EM2 Code Complete		29MAR04*
LAT Flight Software Qualification Unit			
1635	FSW QU Complete		14JUN04
LAT Flight Software Flight Unit			
1655	FSW FU Code Complete & Delivered to LAT I&T		03NOV04
LAT Electronics Instrument Integration & Test			
LAT TKR/CAL TEM Box Integration & Test			
1675	TKR/CAL TEM Box FU (3-16) Acceptance Testing	17MAY04*	22JUN04
1685	TKR/CAL TEM FU Assy Mod 3, 4 Ready for I&T	23JUN04	23JUN04
1705	TKR/CAL TEM FU Assy Mod 5, 6 Ready for I&T	08JUL04	08JUL04
1715	TKR/CAL TEM FU Assy Mod 7, 8 Ready for I&T	22JUL04	22JUL04
1735	TKR/CAL TEM FU Assy Mod 9, 10 Ready for I&T	05AUG04	05AUG04
1745	TKR/CAL TEM FU Assy Mod 11, 12 Ready for I&T	19AUG04	19AUG04
1765	TKR/CAL TEM FU Assy Mod 13, 14 Ready for I&T	02SEP04	02SEP04
1775	TKR/CAL TEM FU Assy Mod 15, 16 Ready for I&T	17SEP04	17SEP04
LAT ACD TEM Box Integration & Test			
1795	ACD TEM (GASU) Box FU I&T	27SEP04	12NOV04
LAT Data CPU Box Integration & Test			
1805	Data CPU Box FU I&T	07SEP04	09NOV04
LAT SIU Box Integration & Test			
1825	SIU Box FU I&T	06DEC04*	22DEC04
LAT Electronics Instrument Integration & Test			
1835	Integrate FU TEM 1,2 + GASU + Data CPU + SIU	04JAN05	24FEB05



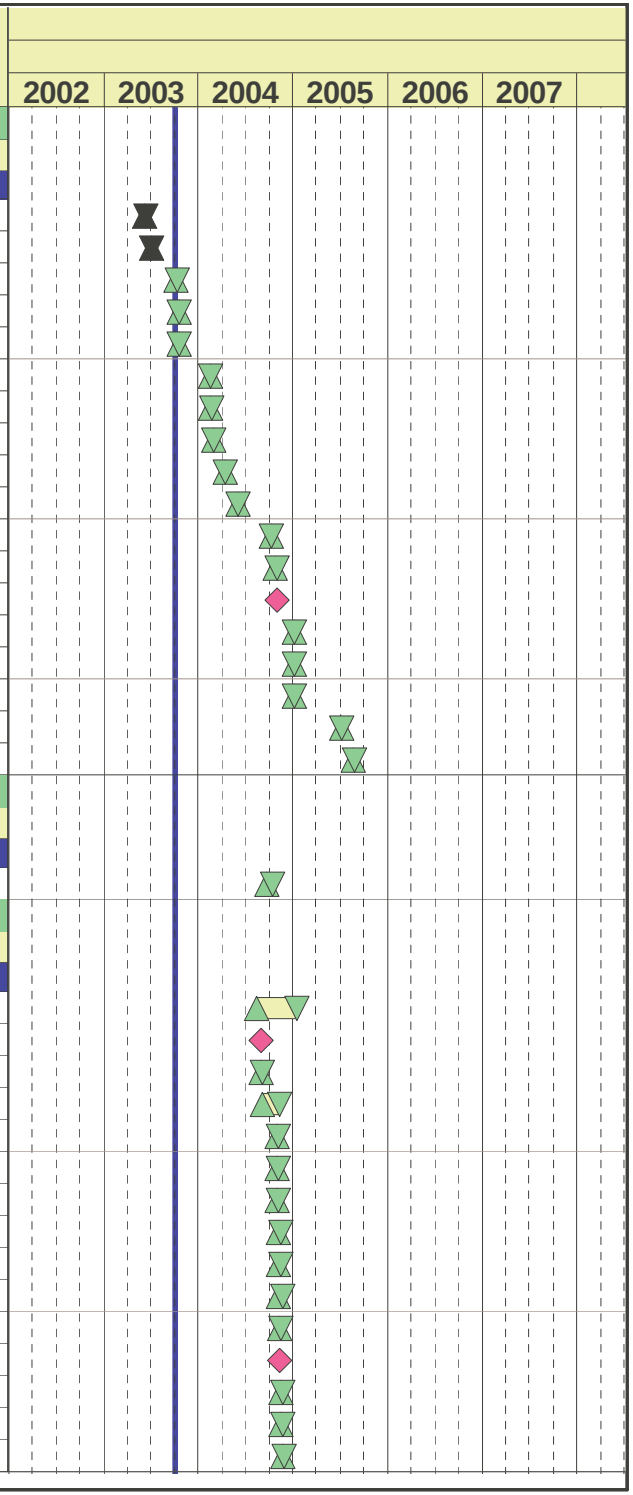
Activ ID	Activity Description	Current Start	Current Finish
1855	FU Funct/Performance & Environmental Tests	25FEB05	31MAR05
1865	LAT Flight Electrical Units Available	11MAR05*	31MAR05
LAT Mechanical			
LAT Mechanical Top-Level Development/Milestones			
LAT Mechanical Top-Level Development/Milestones			
0241	TCS Heat Pipe Development (SUM)	01FEB02A	01DEC03
0229	LAT Mechanical Design Integration (SUM)	01MAY02A	04AUG03A
0193	Mechanical CDR	28MAR03A	28MAR03A
0256	Flight GRID Fab, Assy & Test (SUM)	31MAR03A	21JUL04
0244	TCS Flight Radiator Fab & Test (SUM)	26JUN03A	29APR04
0235	TCS Fab (Thermistors, Heaters) (SUM)	01OCT03	07JAN04
0262	LAT Cal Unit Funct'l/Beam Test & Bkdwn (SUM)	01OCT03	21DEC06
0238	TCS EGSE Development (SUM)	26NOV03	01DEC04
0247	TCS Protoflight T-Balance Testing (SUM)	30APR04	01DEC04
0202	Flight GRID Assy RFI		21JUL04
0259	X-LAT Plates RFI to I&T	01DEC04	01DEC04
Mechanical Fab, Assembly & Test			
Flight Grid Fab, Assembly & Test (SLAC)			
1101	Flight Grid Fab (SLAC)	31MAR03A	05JAN04
1211	X-LAT Box Fab & Assy	01OCT03*	05NOV04
1121	Flight Grid Ready for Assy		05JAN04
1131	Prep FLT Grid/Prep & Assem HPs on FLT Grid	26FEB04*	23MAR04
1151	Inspect, Test Flight Grid Assy	24MAR04	30MAR04
1161	Integrate Heaters, Thermistors	01APR04	07APR04
1181	Flight Grid Testing (Funct/Survey/Structural)	08APR04	05MAY04
1191	Mech Assy, Fit & Testing	06MAY04	21JUL04
1271	Prep Flight Grid for Integration	22JUL04	28JUL04
1221	X-LAT Plate Testing	16NOV04*	01DEC04
LAT Calibration Unit ...UNDER REVISION			
LAT Calibration Unit			
LAT Calibration Unit			
0187	LAT Calibration Unit I&T (Funct'l on Mods A&B)	13JUL04	19JUL04
0220	LAT Calibration Unit I&T (Funct'l on Mods 1 & 2)	17SEP04	07OCT04
LAT Flight Integration & Test			
LAT Flight I&T Top-Level Development/Milestones			
LAT Flight I&T Top-Level Development/Milestones			
0007	LAT Integration & Test (SUM)	18OCT04	16AUG05
0181	Ship to NRL (w/In-Flight Test)	02JUN05	06JUN05
0013	LAT Environmental Tests (SUM)	07JUN05	16AUG05
LAT Flight Integration & Test			
LAT Flight Integration & Test			
4492	Integrate/Funct Flt TKR/Cal Towers 1-2	12OCT04*	13OCT04
4471	Integrate/Funct Flt TKR/Cal Towers 3-4	18OCT04	19OCT04



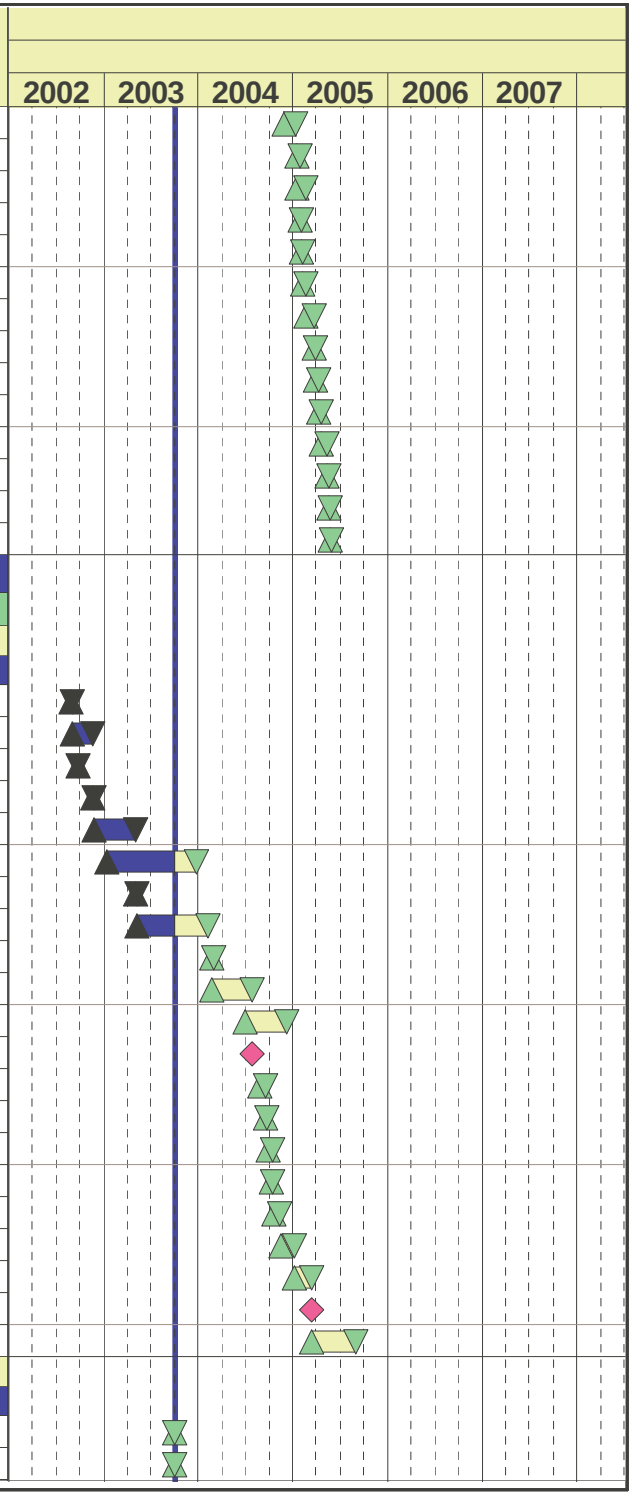
Activ ID	Activity Description	Current Start	Current Finish
4474	Integrate/Funct Flt TKR/Cal Towers 5-6	19NOV04	23NOV04
4477	Integrate/Funct Flt TKR/Cal Towers 7-8	03DEC04	07DEC04
4480	Integrate/Funct Flt TKR/Cal Towers 9-10	17DEC04	20DEC04
4483	Integrate/Funct Flt TKR/Cal Towers 11-12	06JAN05	10JAN05
4486	Integrate/Funct Flt TKR/Cal Towers 13-14	21JAN05	25JAN05
4489	Integrate/Funct Flt TKR/Cal Towers 15-16	03FEB05	04FEB05
1925	Survey LAT	07FEB05	11FEB05
1945	Integ Flt ACD/Blanket on Grid/Funct Test	14FEB05	18FEB05
1955	Integrate LAT-Wide Electronics	23FEB05	07MAR05
1985	Rec/Inspect/Integ X-LAT Thermal Plate	08MAR05	28MAR05
1975	Functional Test LAT-Wide Electronics	29MAR05	13MAY05
2015	LAT Thermal Cycle Test	11MAY05	01JUN05
2005	LAT Comprehensive Test	16MAY05	01JUN05
2065	LAT EMI/EMC Test	07JUN05	10JUN05
2075	LAT Modal Survey/Sine Sweep	13JUN05	30JUN05
2095	LAT Random Vibe/Acoustics	01JUL05	07JUL05
2105	LAT TVAC Testing & Final Functional Test	08JUL05	16AUG05
2125	LAT Final Comprehensive Test @ SLAC	19AUG05	22AUG05
GBM Instrument			
GBM Top-Level Development/Milestones			
0092	GBM PDR	09APR02A	09APR02A
0095	GBM FSW Build 1 (SUM)	01OCT02A	25FEB04
0304	GBM DPU CDR	05AUG03A	06AUG03A
0310	GBM Flight Software CDR	06AUG03A	07AUG03A
6033	GBM H/W CDR (MPE)	10DEC03*	11DEC03
0313	GBM CDR (Combined Systems)	16JAN04	16JAN04
0104	GBM FSW Build 2 (SUM)	20JAN04	01NOV04
0098	GBM FSW Build 1 Delivery	25FEB04	25FEB04
0025	GBM Flight Instr Integ/Bench Test @ MSFC (SUM)	02SEP04	14JAN05
0152	GBM FSW Build 3 (SUM)	18OCT04	06JUN05
0107	GBM FSW Build 2 Delivery	01NOV04	01NOV04
0028	GBM PER	10JAN05	14JAN05
0029	GBM Calibration & Environ Testing @ MSFC (SUM)	18JAN05	07JUN05
0389	GBM FSW Build 3.0 Delivery	06JUN05	06JUN05
0164	I&T Complete @ MSFC/GBM Rdy for Obs I&T		07JUN05*
0174	GBM Instrument FLOAT @ MSFC (75 Calendar Days)	08JUN05	21AUG05
0031	GBM PSR	03AUG05*	03AUG05
0298	MSFC Ships GBM to Spectrum for Observatory I&T	22AUG05*	23AUG05
0292	GBM Unpack, Post-Ship Testing/Checkout	25AUG05	01SEP05
0034	GBM Ready for Observatory I&T @ S/C Vendor		01SEP05



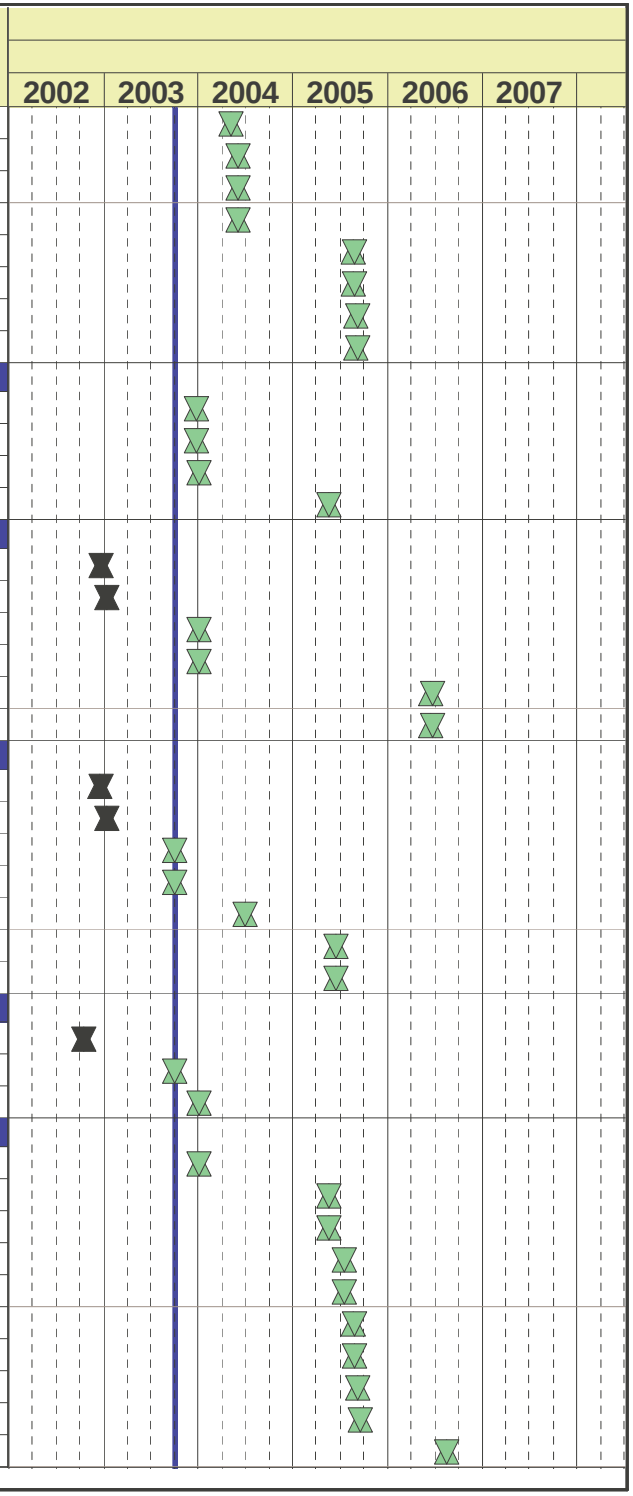
Activ ID	Activity Description	Current Start	Current Finish
GBM Subsystem Milestones			
7023	MSFC Receives SC Simulator (SIIS) from Spectrum	09JUN03A	09JUN03A
7017	MSFC Dlv Final Cable&Connector Specs to Spectrum	03JUL03A	03JUL03A
7025	MSFC Receives GBM FLT Connectors from Spectrum	10OCT03*	10OCT03
6091	MSFC Deliver Thermal Math Models to GSFC	16OCT03*	16OCT03
6092	MSFC Deliver Structural Math Models to GSFC	16OCT03*	16OCT03
7019	MSFC Rec Dtr Location&Cable Length from Spectrum	17FEB04*	17FEB04
6071	MSFC Deliver STM Units to Spectrum	20FEB04*	20FEB04
7021	MSFC Receives GBM Test Cables from Spectrum	01MAR04*	01MAR04
6055	MSFC Deliver GIS to Spectrum	14APR04	14APR04
7027	MSFC Deliver LV PowerBox Load Sim to Spectrum	01JUN04*	01JUN04
0215	MPE Pre-Ship Review (MPE PSR)	08OCT04*	08OCT04
0293	MPE Flight Unit Shipment to MSFC	27OCT04*	01NOV04
0137	MPE Deliver Flight Unit to MSFC Complete		01NOV04
7013	MSFC Rec Final SC Math Mass Density Mod from SA	04JAN05*	04JAN05
7015	MSFC Rec Final LAT Math Mass Density Mod fr SLAC	04JAN05*	04JAN05
7011	MSFC Del Final GBM Math Mass Density Mod to SLAC	05JAN05*	05JAN05
7020	MSFC Deliver Final GBM Test Procs to Spectrum	05JUL05	05JUL05
7029	MSFC Deliver GSE to Spectrum (Elect & Mech)	23AUG05	23AUG05
GBM Flight Instrument Development			
0131	MPE Science Test (Calib) (Last Test in MPE Flow)	20SEP04	15OCT04
GBM Integration and Environmental Testing			
0416	Integration & Test Facility Setup & Checkout	16AUG04	14JAN05
0395	MSFC Receives DPU Flt Unit From SwRI For Integ		31AUG04
5033	Install FSW 1 Fusable Link Prom in DPU FLT Unit	01SEP04	01SEP04
0110	Functional Test DPU Flight Unit & Install EPROM	02SEP04	11NOV04
0410	MPE Deliver NaI to MSFC	02NOV04	02NOV04
0398	MPE Deliver BGO to MSFC	02NOV04	03NOV04
0404	MPE Deliver Power Box to MSFC	02NOV04	05NOV04
0413	NaI Acceptance Testing @ MSFC	03NOV04	16NOV04
5000	BGO Calibration Testing @ Duke University	04NOV04	17NOV04
0401	BGO Acceptance Testing @ MSFC	04NOV04	23NOV04
0407	MSFC Performs Power Box Acceptance Testing	09NOV04	15NOV04
0518	Funct Test DPU Flt Unit & Install EPROM Complete		11NOV04
0188	Integrate Flight DPU with Power Box	16NOV04	18NOV04
0191	Integ FLT DPU/Pwr Supplies with NaI Detectors	17NOV04	23NOV04
0194	Integ FLT DPU/Pwr Supply/BGO & NaI Detectors	24NOV04	26NOV04



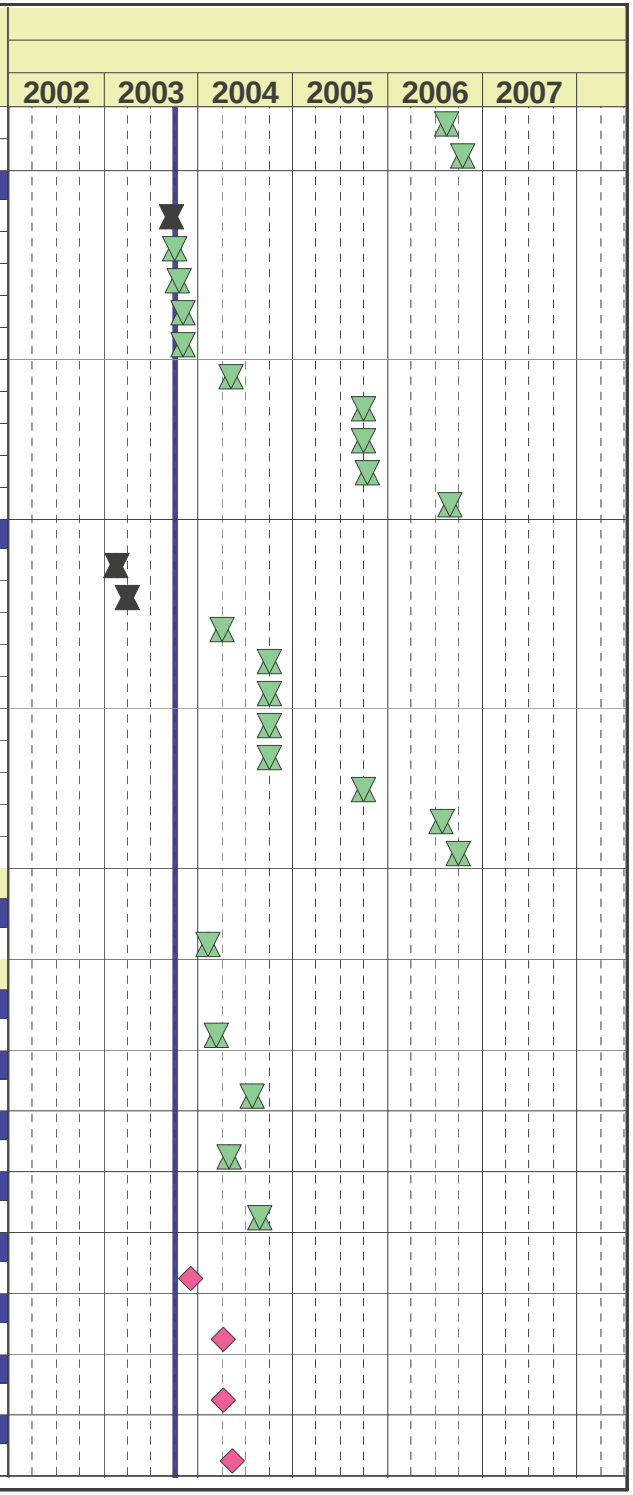
Activ ID	Activity Description	Current Start	Current Finish
5003	GBM FSW Validation	29NOV04	07JAN05
5006	GBM System Acceptance Test	18JAN05	24JAN05
0419	GBM Instrument Test Reporting	18JAN05	18FEB05
5009	GBM System Linearity	26JAN05	01FEB05
5012	GBM High Rate Test	02FEB05	09FEB05
5015	GBM Thermal Vac Setup	10FEB05	16FEB05
5017	GBM Thermal Vacuum Testing (7 Day/24 Hour)	17FEB05	23MAR05
5021	GBM Rapid Pumpdown Test	24MAR05	28MAR05
0200	GBM Instrument EMI/EMC Testing	29MAR05	11APR05
0203	GBM AGC Setup & Test	12APR05	19APR05
5027	GBM Long Energy Calibration	20APR05	12MAY05
5075	Install FSW 2.0 EPROM in DPU FLT Unit	13MAY05	17MAY05
0212	GBM Instrument Pre-Ship Functional Testing	18MAY05	24MAY05
5030	GBM Final Functional Test Data Analysis	25MAY05	31MAY05
Spacecraft			
Spacecraft Development			
Spacecraft Top-Level Development/Milestones			
0037	S/C Vendor Selection	30AUG02A	30AUG02A
0043	S/C System Requirements Definition	03SEP02A	19NOV02A
0496	S/C Kickoff Meeting	25SEP02A	26SEP02A
0139	S/C SRR	20NOV02A	21NOV02A
0097	S/C Development (Preliminary System Design)	22NOV02A	02MAY03A
0559	TCS Heat Pipe Fab & Test (SUM)	13JAN03A	23DEC03
0115	S/C PDR	05MAY03A	07MAY03A
0094	S/C Development (Detailed System Design)	08MAY03A	06FEB04
0118	S/C CDR	24FEB04	26FEB04
0046	S/C Component Fab & Test (SUM)	24FEB04	29JUL04
0553	S/C Bus Prep and Harness Integration (SUM)	28JUN04	08DEC04
0555	Flight Structure Ready For Bus I&T		29JUL04
1294	S/C Bus Eng Model Integration (SUM)	27AUG04	14SEP04
0565	S/C Bus EPS Integration (SUM)	15SEP04	20SEP04
0568	S/C Bus C&DH & SSR Integration (SUM)	29SEP04	11OCT04
1303	S/C Bus Propulsion Subsystem Integration (SUM)	08OCT04	14OCT04
1300	S/C Bus TT&C Integration (SUM)	18OCT04	12NOV04
1297	S/C Bus ACS Integration (SUM)	17NOV04	04JAN05
1306	S/C Full Bus Functional Testing (SUM)	05JAN05	09MAR05
0052	S/C Bus Ready for Observatory I&T		11MAR05
0053	Post Spacecraft I&T FLOAT (174 Calendar Days)	12MAR05	01SEP05
GFE Deliveries to Spacecraft			
Instrument Hardware Deliveries			
1321	LAT Flight Connectors Delivery to Spectrum	01OCT03*	01OCT03
1324	Spectrum Deliver GBM Flight Connectors to MSFC	01OCT03*	01OCT03



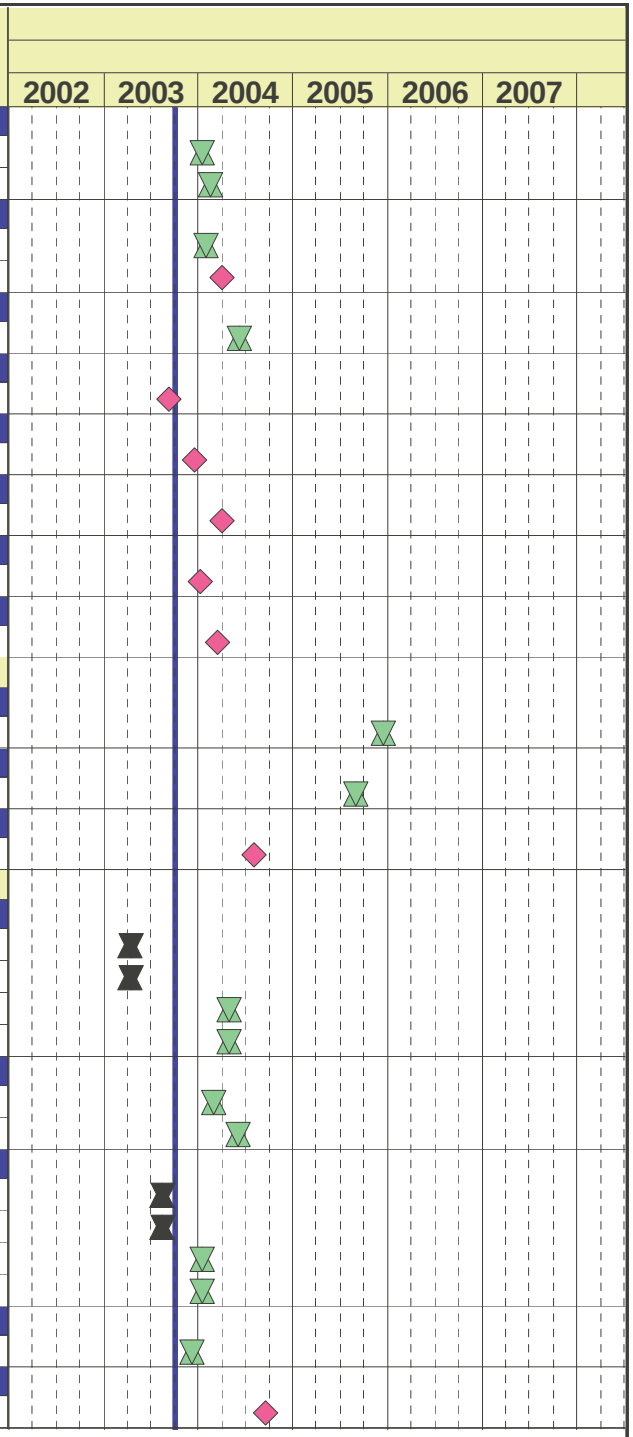
Activ ID	Activity Description	Current Start	Current Finish
1327	MSFC Delv Thermal/Mass Mods(Physical)to Spectrum	03MAY04	03MAY04
1330	LAT Instrument S/C Simulator Delv to Spectrum	01JUN04	01JUN04
1333	MSFC Deliver GBM SC Simulator to Spectrum	01JUN04	01JUN04
1336	Spectrum Receives PwrBox Load Sim from MSFC	01JUN04	01JUN04
1339	MSFC Deliver GBM to Spectrum(w/Thermal Blankets)	23AUG05	23AUG05
1342	MSFC Deliver GSE to Spectrum (Elect & Mech)	23AUG05	23AUG05
1345	LAT Delivery to Spectrum (w/Thermal Blankets)	03SEP05	03SEP05
1348	LAT GSE Delivery to Spectrum (Elect & Mech)	03SEP05	03SEP05
Instrument Inputs to Documentation			
1351	LAT Final Inputs to LAT ICD (S/C CDR - 2 Months)	23DEC03	23DEC03
1354	GBM Final Inputs to GBM ICD (S/C CDR - 2 Months)	23DEC03	23DEC03
1357	LAT Safety Input to LV Doc Prelim	02JAN04*	02JAN04
1360	LAT Safety Input to LV Doc Final	18MAY05*	18MAY05
Instrument Thermal Math Models			
1363	PDR Version of LAT Thermal Math Model	23DEC02A	23DEC02A
1366	PDR Version of GBM Thermal Math Model	14JAN03A	14JAN03A
1369	CDR Version of LAT Thermal Math Model	02JAN04*	02JAN04
1372	CDR Version of GBM Thermal Math Model	02JAN04*	02JAN04
1375	Test Validated Version of LAT Thermal Math Model	19JUN06	19JUN06
1378	Test Validated Version of GBM Thermal Math Model	19JUN06	19JUN06
Instrument Finite Element Models			
1384	PDR Version of GBM Finite Element Model	19DEC02A	19DEC02A
1381	PDR Version of LAT Finite Element Model	13JAN03A	13JAN03A
1387	Final Version of LAT Finite Element Model - TBD	01OCT03*	01OCT03
1390	Final Version of GBM Finite Element Model - TBD	01OCT03*	01OCT03
1393	Observatory-Level Sine Sweep Test Input	01JUL04	01JUL04
1396	Correlated LAT Finite Element Model	15JUN05*	15JUN05
1399	Correlated GBM Finite Element Model	15JUN05*	15JUN05
Instrument CAD Models			
1402	SRR Version of LAT STEP	18OCT02A	18OCT02A
1405	PDR Version of LAT STEP	01OCT03*	01OCT03
1408	CDR Version of LAT STEP	02JAN04	02JAN04
Instrument Support & Miscellaneous			
1411	LAT Mass Simulator Information	02JAN04	02JAN04
1414	LAT Support to Develop Obs Test Procedures	18MAY05*	18MAY05
1417	GBM Support to Develop Obs Test Procedures	18MAY05*	18MAY05
1423	GBM Instrument I&T and Launch Support	18JUL05*	18JUL05
1420	LAT Instrument I&T and Launch Support	18JUL05*	18JUL05
1426	GBM Radiation Source Survey	23AUG05	23AUG05
1429	Re-assy/Checkout GBM GSE After Shipment #1	24AUG05	24AUG05
1432	LAT Radiation Source Survey	06SEP05	06SEP05
1435	Re-assy/Checkout LAT GSE After Shipment #1	15SEP05*	15SEP05
1438	Re-assy/Checkout GBM GSE After Shipment #2	15AUG06*	15AUG06



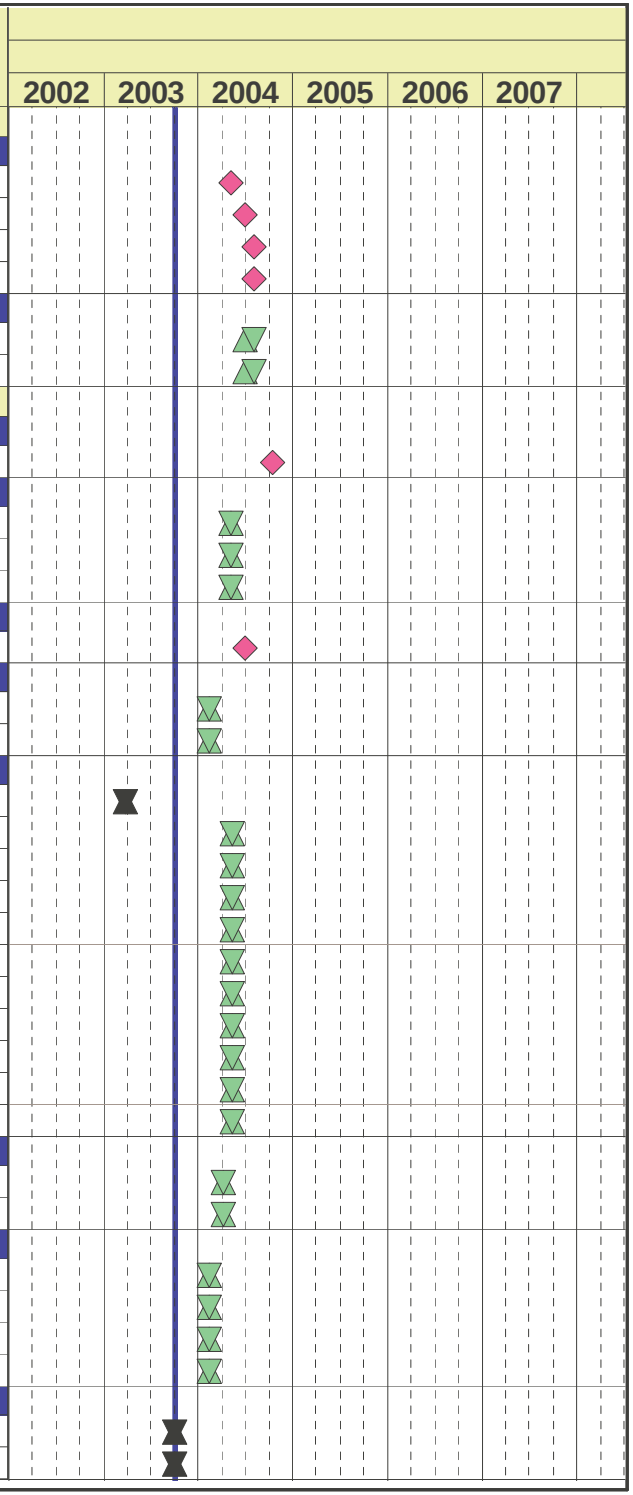
Activ ID	Activity Description	Current Start	Current Finish
1441	Re-assy/Checkout LAT GSE After Shipment #2	15AUG06*	15AUG06
1444	Return Shipment of LAT & GBM GSE (Post-Launch)	16OCT06*	16OCT06
Launch Vehicle Deliveries			
1447	LV Coupled Loads Analysis Results (Prelim)	22SEP03A	22SEP03A
1456	LV Mating Connectors	01OCT03*	01OCT03
1459	LV Coupled Loads Analysis Results (Final)	15OCT03*	15OCT03
1453	GSE PAF	03NOV03	03NOV03
1450	LV Drill Template	03NOV03*	03NOV03
1462	LV Test PAF - Deliv 1	03MAY04	03MAY04
1465	LV Test PAF - Deliv 2	27SEP05	27SEP05
1468	LV Flight PAF	27SEP05	27SEP05
1471	LV Coupled Loads Analysis Results (Correlated)	17OCT05*	17OCT05
1474	Launch Vehicle	29AUG06*	29AUG06
NASA Support & Facilities			
1480	Definition of X-Band Center Frequency	18FEB03A	18FEB03A
1477	NASA Authorization - Uplink/Downlink Freq's	01APR03A	01APR03A
1483	TURFTS	01APR04*	01APR04
1495	Ground Com Links Connecting to Facilities	01OCT04*	01OCT04
1492	Use of NASA GN to Support ETE/On-Orbit Ops	01OCT04*	01OCT04
1537	Use of NASA SN to Support ETE/On-Orbit Ops	01OCT04*	01OCT04
1489	NASA Ground Station Compatibility Equipment	04OCT04*	04OCT04
1498	Ground Systems Training (Gov Provided MOC)	29SEP05*	29SEP05
1501	Obs Processing Facilities at the Launch Site	28JUL06*	28JUL06
1504	Mission Operations Team	29SEP06*	29SEP06
Spacecraft Systems Engineering			
DID-P-Obs Contamination/Cleanliness Control Plan			
1584	Submit Observatory CCP-Final	04FEB04	04FEB04
Spacecraft Structure & Mechanisms (SMS)			
S/C SMS Optical Bench			
1598	Optical Bench Delivery to Flight Structure Assy	11MAR04	11MAR04
Spacecraft SMS Flight Structure			
1636	Ship Prop Mod to Vendor	29JUL04	29JUL04
S/C SMS Mechanisms X-Band Antenna Boom			
1695	X-Band Antenna Boom Install to Flight Structure	28APR04	28APR04
S/C SMS Mechanisms Flight Solar Array			
1782	Deliver Flight Solar Array to I&T	25AUG04	25AUG04
S/C SMS Cable Mock-Up			
1803	Cable Mockup Complete		03DEC03
S/C SMS PDU Chassis			
2034	PDU Flight Chassis Ready		07APR04
S/C SMS PRU Chassis			
2058	PRU Flight Chassis Ready		09APR04
S/C SMS IEM Chassis			
2085	Flight IEM Chassis Ready		10MAY04



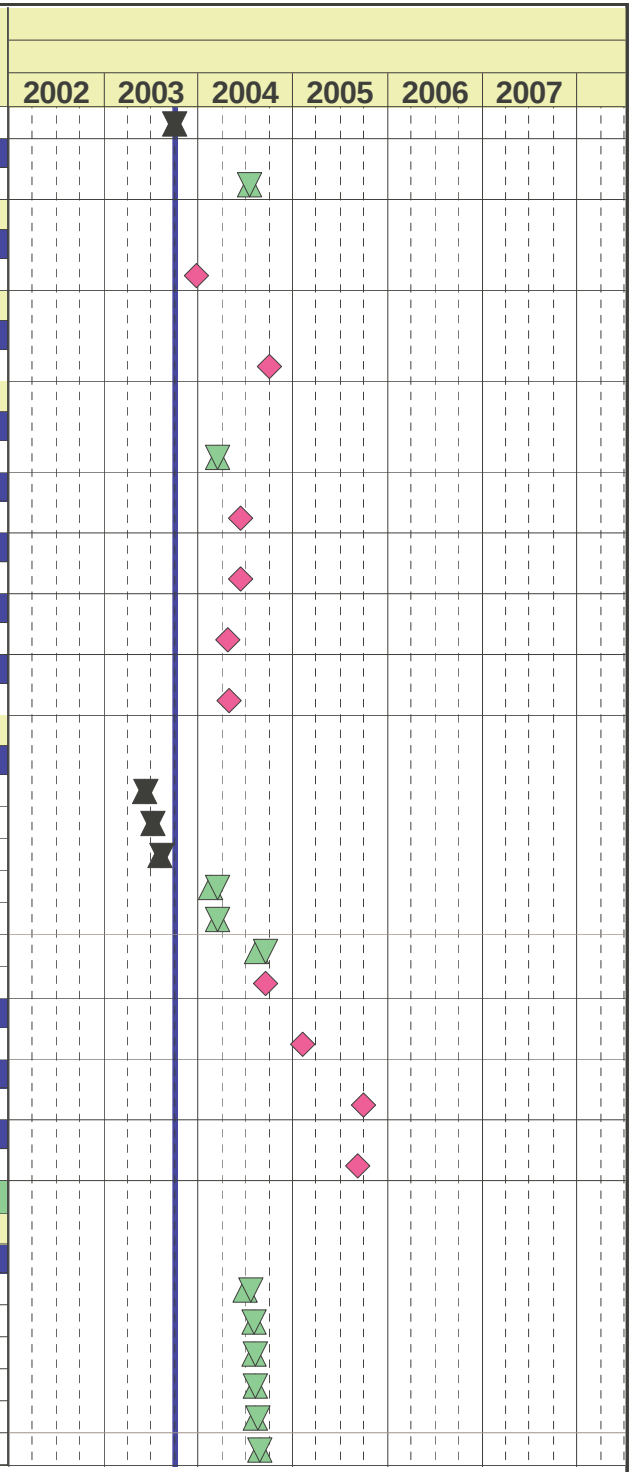
Activ ID	Activity Description	Current Start	Current Finish
S/C SMS Mechanical GSE (Frame & LAT I/F Tooling)			
2093	LAT Interface Tooling Ready	14JAN04*	14JAN04
2097	Integration Stand/Dolly Ready	16FEB04	16FEB04
S/C SMS Mech GSE(Struct Tooling & OB Test Fixt)			
2102	Optical Bench Assy/Test Fixture Ready	30JAN04*	30JAN04
2109	Structure Tooling Ready		02APR04
S/C SMS Mechanical GSE (I&T Tooling)			
2121	I&T Tooling Ready	07JUN04	07JUN04
S/C SMS Mechanical GSE (Solar Array 1)			
2136	Solar Array 1 MGSE Ready		10SEP03A
S/C SMS Mechanical GSE (Solar Array 2)			
2148	Solar Array 2 MGSE Ready		15DEC03
S/C SMS Mechanical GSE (Solar Array 3)			
2163	Solar Array 3 MGSE Ready		31MAR04
S/C SMS Mechanical GSE (X-Band 1)			
2172	X-Band 1 MGSE Ready		07JAN04
S/C SMS Mechanical GSE (X-Band 2)			
2187	X-Band 2 MGSE Ready		16MAR04
S/C Electrical Power (EPS)			
S/C EPS Battery			
2310	Flight Battery Ready for I&T	16DEC05	16DEC05
S/C EPS Solar Array Cells/Cell Laydown			
2325	Solar Array Panels Delivered to Spectrum	31AUG05	31AUG05
S/C EPS Flight Harness			
2382	Flight Harness Ready for I&T		04AUG04
S/C Command & Data Handling (C&DH)			
S/C C&DH RAD750			
2397	RAD750 Proto Unit 1 Delivered	15APR03A	15APR03A
2400	RAD750 Proto Unit 2 Delivered	15APR03A	15APR03A
2403	RAD750 Flight Unit 1 Delivered	28APR04*	28APR04
2406	RAD750 Flight Unit 2 Delivered	28APR04*	28APR04
S/C C&DH Solid State Recorder (SSR)			
2418	SSR EM Unit Delivered	01MAR04*	01MAR04
2421	SSR Flight Unit Delivered	01JUN04*	01JUN04
S/C C&DH OCXO			
2621	OCXO EM 1 Unit Delivered	15AUG03A	15AUG03A
2623	OCXO EM 2 Unit Delivered	15AUG03A	15AUG03A
2745	OCXO Flight Unit 1 Delivered	15JAN04*	15JAN04
2748	OCXO Flight Unit 2 Delivered	15JAN04*	15JAN04
S/C Flight Thermistor Interface Box (TIB)			
2441	Deliver Flight TIB Unit 1 & 2 to Flight IEM	08DEC03	08DEC03
S/C C&DH Integration & Test			
2614	Flight IEM Ready for Bus I&T		15SEP04



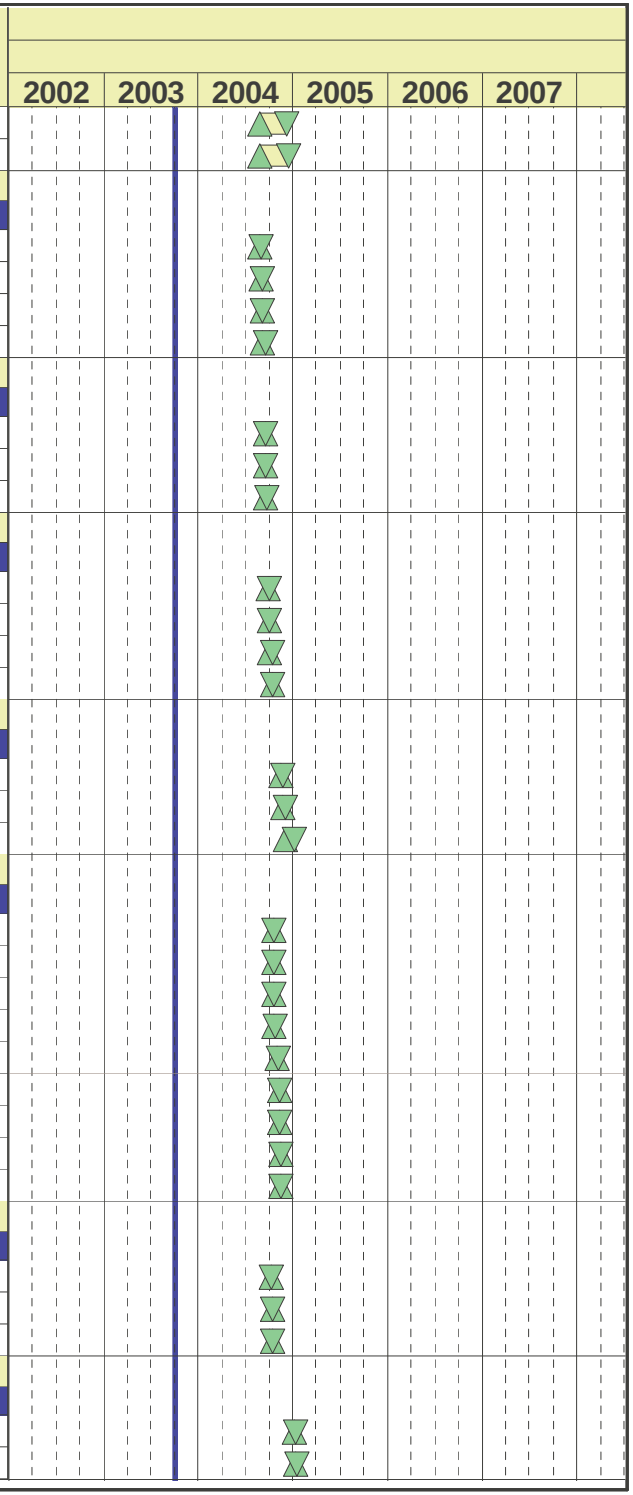
Activ ID	Activity Description	Current Start	Current Finish
S/C Telecommunications (TT&C)			
S/C TT&C S-Band Transceivers (MMT)			
2613	S-Band Transceiver 1 Ready for I&T		04MAY04*
2622	S-Band Transceiver 2 Ready for I&T		30JUN04*
5500	Solid State Antenna Switch 1 Ready for I&T		02AUG04*
5503	Solid State Antenna Switch 2 Ready for I&T		02AUG04*
S/C TT&C X-Band Transmitters			
2640	Test X-Band Transmitter 1/Ready for I&T	01JUL04*	02AUG04
2649	Test X-Band Transmitter 2/Ready for I&T	01JUL04*	02AUG04
S/C Guidance, Navigation & Control (GN&C)			
S/C GN&C Antenna Point Mechanism (APM)			
2670	APM Ready for I&T		15OCT04
S/C GN&C Star Tracker Assembly			
2682	Receive Star Tracker Assy 1/Ready for I&T	03MAY04*	03MAY04
2685	Receive Star Tracker Assy 2/Ready for I&T	03MAY04*	03MAY04
2688	Receive Star Tracker Assy 3/Ready for I&T	03MAY04*	03MAY04
S/C GN&C Internal Measurement Unit (SIRU)			
2718	Internal Measurement Unit (SIRU) Ready for I&T		01JUL04
S/C GN&C Magnetometer			
2730	Receive Magnetometer 1/Ready for I&T	11FEB04*	11FEB04
2733	Receive Magnetometer 2/Ready for I&T	11FEB04*	11FEB04
S/C GN&C Coarse Sun Sensors			
2751	Definitize Coarse Sun Sensors Subcontract	26MAR03A	26MAR03A
2754	Receive Coarse Sun Sensor 1/Ready for I&T	10MAY04*	10MAY04
2757	Receive Coarse Sun Sensor 2/Ready for I&T	10MAY04*	10MAY04
2760	Receive Coarse Sun Sensor 3/Ready for I&T	10MAY04*	10MAY04
2763	Receive Coarse Sun Sensor 4/Ready for I&T	10MAY04*	10MAY04
2766	Receive Coarse Sun Sensor 5/Ready for I&T	10MAY04*	10MAY04
2769	Receive Coarse Sun Sensor 6/Ready for I&T	10MAY04*	10MAY04
2772	Receive Coarse Sun Sensor 7/Ready for I&T	10MAY04*	10MAY04
2775	Receive Coarse Sun Sensor 8/Ready for I&T	10MAY04*	10MAY04
2778	Receive Coarse Sun Sensor 9/Ready for I&T	10MAY04*	10MAY04
2781	Receive Coarse Sun Sensor 10/Ready for I&T	10MAY04*	10MAY04
S/C GN&C GPS Navigation System			
2826	Receive GPS Nav System 1/Ready for I&T	05APR04*	05APR04
2829	Receive GPS Nav System 2/Ready for I&T	05APR04*	05APR04
S/C GN&C Reaction Wheel Assembly			
2859	Receive Reaction Wheel Assy 4/Ready for I&T	11FEB04*	11FEB04
2850	Receive Reaction Wheel Assy 1/Ready for I&T	11FEB04*	11FEB04
2853	Receive Reaction Wheel Assy 2/Ready for I&T	11FEB04*	11FEB04
2856	Receive Reaction Wheel Assy 3/Ready for I&T	11FEB04*	11FEB04
S/C GN&C Torque Rods			
2886	Receive Torque Rods 1/Ready for I&T	30SEP03A	30SEP03A
2889	Receive Torque Rods 2/Ready for I&T	30SEP03A	30SEP03A



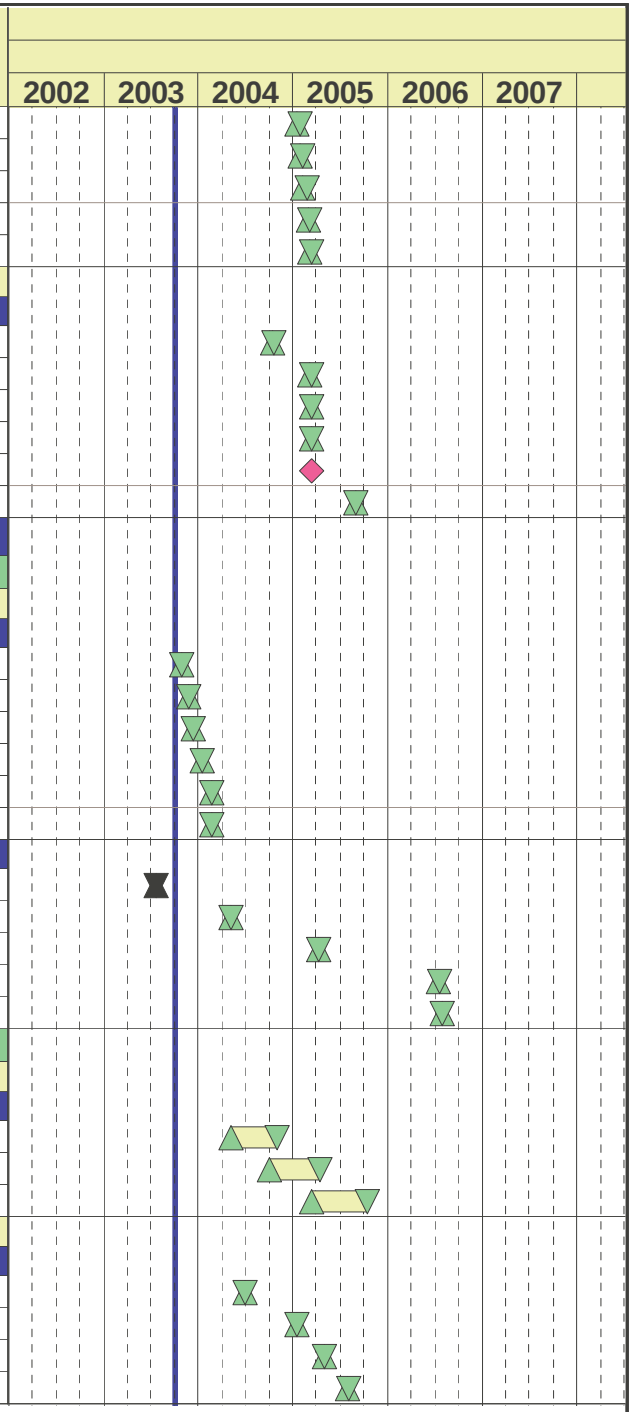
Activ ID	Activity Description	Current Start	Current Finish
2892	Receive Torque Rods 3/Ready for I&T	30SEP03A	30SEP03A
S/C GN&C SADA			
2916	Receive SADA/Ready for I&T	14JUL04*	14JUL04
S/C Thermal Control (TCS)			
S/C TCS Heat Pipe Subcontract			
3072	Heat Pipes Ready for Bus I&T		23DEC03
S/C Propulsion			
S/C Hydrazine Propulsion Module (HPM)			
3084	HPM Ready for I&T		04OCT04
S/C Electrical GSE (EGSE)			
S/C EGSE System Test Harness			
3159	S/C System Test Harness Ready	15MAR04	15MAR04
S/C EGSE Test Access Connector (TAC)			
3180	TAC Umbilical Ready		15JUN04
S/C EGSE Umbilical			
3201	Umbilical Ready		15JUN04
S/C EGSE Relay Box			
3213	Relay Box Ready		23APR04
S/C EGSE Battery Test Station			
3228	Battery Test Station Ready		28APR04
S/C Simulators			
S/C Instrument Interface Simulator (SIIS)			
3255	S/C Simulator (SIIS) Delivery to MSFC	09JUN03A	09JUN03A
3261	S/C Sim (SIIS) Deliver to LAT (1553 Only)	09JUL03A	09JUL03A
3258	Software Updates to S/C Sim (SIIS) #1	07AUG03A	13AUG03A
3264	Software Updates to S/C Sim (SIIS) #2	16FEB04*	16MAR04
3267	S/C Sim (SIIS) Update to LAT	16MAR04	16MAR04
3270	Software Updates to S/C Sim (SIIS) #3	16AUG04*	15SEP04
3273	S/C Sim (SIIS) Update to GBM		15SEP04
S/C Command & Telemetry Simulators			
3291	S/C C&T Sim Deliv to Ground System Provider		04FEB05
S/C Simulator S/W Development/Maintenance System			
3309	SDMS Deliver to Ground System Provider		26SEP05
S/C MOC Training Simulator			
3330	MOC Training Sim Deliver to Grnd Sys Provider		08SEP05
Spacecraft Bus Integration & Test			
Spacecraft Bus Prep and Harness Integration			
1200	Final Area Prep	28JUN04	19JUL04
1204	Bus Structure Delivery to S/C I&T	02AUG04	02AUG04*
1202	Mechanical Integration Preparations	03AUG04	05AUG04
1206	Integrate Flight Harness	06AUG04	06AUG04
1209	Harness Continuity & High Pot Test	09AUG04	20AUG04
1210	Integrate EGSE	23AUG04	26AUG04



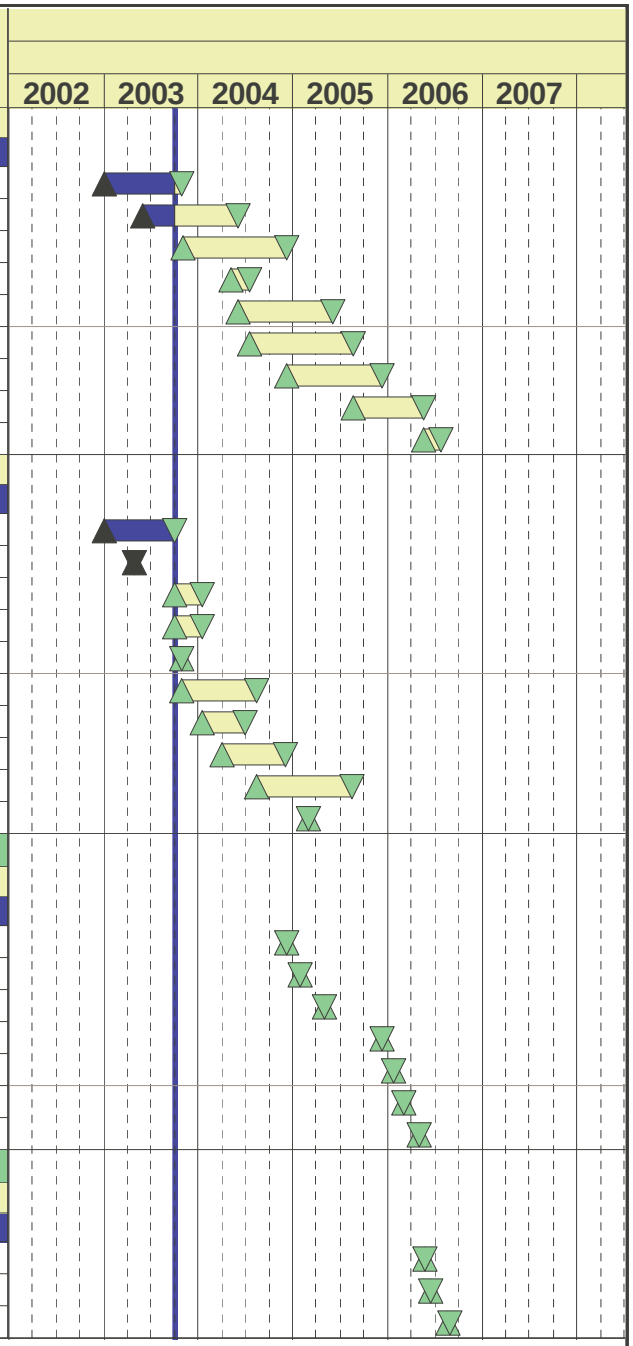
Activ ID	Activity Description	Current Start	Current Finish
1212	Harness Work & Potting	23AUG04	08DEC04
1208	Install Heaters, T-stats, Temp Sensors & SCT	27AUG04	14DEC04
Spacecraft Bus Eng Model Integrations			
1214	EM PDU Mechanical Integration	27AUG04	27AUG04
1216	EM PDU Safe-to-Mate	30AUG04	02SEP04
1218	EM IEM Mechanical Integration	03SEP04	03SEP04
1220	EM IEM Safe-to-Mate	07SEP04	14SEP04
Spacecraft Bus EPS Integration			
1222	Install PDU	15SEP04	15SEP04
1224	Install PRU	15SEP04	15SEP04
1226	Perform EPS Subsystem Functional Checkout	16SEP04	20SEP04
Spacecraft Bus C&DH & SSR Integration			
1228	Install C&DH Components	29SEP04*	29SEP04
1230	Perform C&DH Component Safe-to-Mate	30SEP04	04OCT04
1232	Perform C&DH Subsystem Functional Checkout	05OCT04	11OCT04
1268	Instrument Interface Testing	12OCT04	15OCT04
Spacecraft Bus ACS Integration			
1236	Install GNC Components	17NOV04	23NOV04
1238	Perform GNC Component Safe-to-Mate	24NOV04	02DEC04
1240	Perform GNC Subsystem Functional Checkout	03DEC04	04JAN05
Spacecraft Bus TT&C Integration			
1242	Install X-Band Components	18OCT04	18OCT04
1244	Perform X-Band Safe-to-Mate	19OCT04	19OCT04
1246	Install S-Band Components	20OCT04	20OCT04
1248	Perform S-Band Component Safe-to-Mate	21OCT04	21OCT04
1254	Perform TT&C Subsystem Functional Checkout	29OCT04*	05NOV04
1256	Antenna Boom 1st Motion Deployment Test	09NOV04*	10NOV04
1257	X-Band Gimbal Testing	11NOV04	12NOV04
1250	Install GPS Components	15NOV04	15NOV04
1252	Perform GPS Safe-to-Mate	16NOV04	16NOV04
Spacecraft Bus Propulsion Subsystem Integration			
1258	Propulsion Module Mechanical Integration	08OCT04	08OCT04
1260	Propulsion Module Electrical Integration	11OCT04	12OCT04
1262	Propulsion Module Funct C/O & Leak Chk (MEOP)	13OCT04	14OCT04
Spacecraft Full Bus Functional Testing			
1270	Fault Protection Verification	05JAN05	10JAN05
1272	Thermal Control System Verification	11JAN05	13JAN05



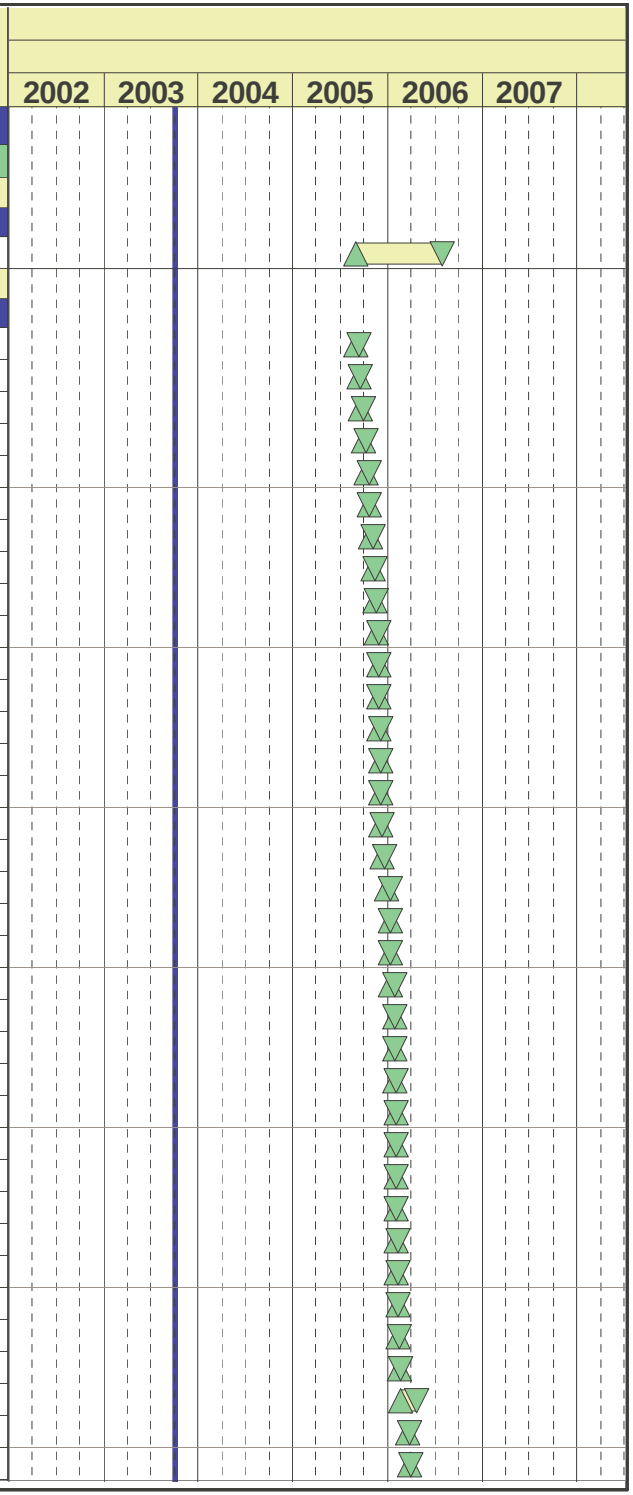
Activ ID	Activity Description	Current Start	Current Finish
1266	Flight Software Testing	14JAN05	24JAN05
1276	Comprehensive Performance Test (CPT)	25JAN05	07FEB05
1278	EMI/EMC Test	10FEB05*	25FEB05
1280	RF Compatibility Testing - CTV Required	02MAR05	08MAR05
1282	Data Review	09MAR05	09MAR05
Other Spacecraft I&T Tasks			
1264	I&T Battery Integration	15OCT04	18OCT04
1290	Solar Array Fit Check (Substrates Only)	09MAR05	09MAR05
1288	Solar Array 1st Motion Deployment Test	10MAR05	10MAR05
1291	Flight PAF Fit Check	11MAR05	11MAR05
1292	S/C Bus Ready for Observatory I&T		11MAR05
1284	Receive Solar Array Panels	01SEP05	01SEP05
Ground System & Mission Operations			
Ground System Wide Reviews			
Ground System Wide Reviews			
Ground System Preliminary Design Phase			
0111	GBM IOC Design Peer Review	30OCT03*	30OCT03
0117	GSSC Design Peer Review	24NOV03*	24NOV03
0123	MOC Design Peer Review	11DEC03*	11DEC03
0129	Ku Front End Design Peer Review	14JAN04*	14JAN04
0102	LAT IOC Design Peer Review	25FEB04*	25FEB04
0103	Ground System Preliminary Design Phase Complete	25FEB04	25FEB04
0100	Ground System Requirements Review (GSRR)	22JUL03A	22JUL03A
0106	Ground System Design Review (GSDR)	05MAY04*	05MAY04
0112	Mission Operations Review	07APR05	07APR05
0061	Operations Readiness Review	17JUL06	17JUL06
0081	Launch Freeze	31JUL06	31JUL06*
Ground System Development			
Ground System MOC Development			
0172	MOC S/W Release 1	06MAY04	01NOV04
0492	MOC S/W Release 2	01OCT04*	15APR05
0510	MOC S/W Release 3	15MAR05*	14OCT05
Ground System SSC Development			
0622	GSSC Release 1	30JUN04*	30JUN04
0625	GSSC Release 2	14JAN05*	14JAN05
0628	GSSC Release 3	02MAY05*	02MAY05
0991	GSSC Release 4	01AUG05*	01AUG05



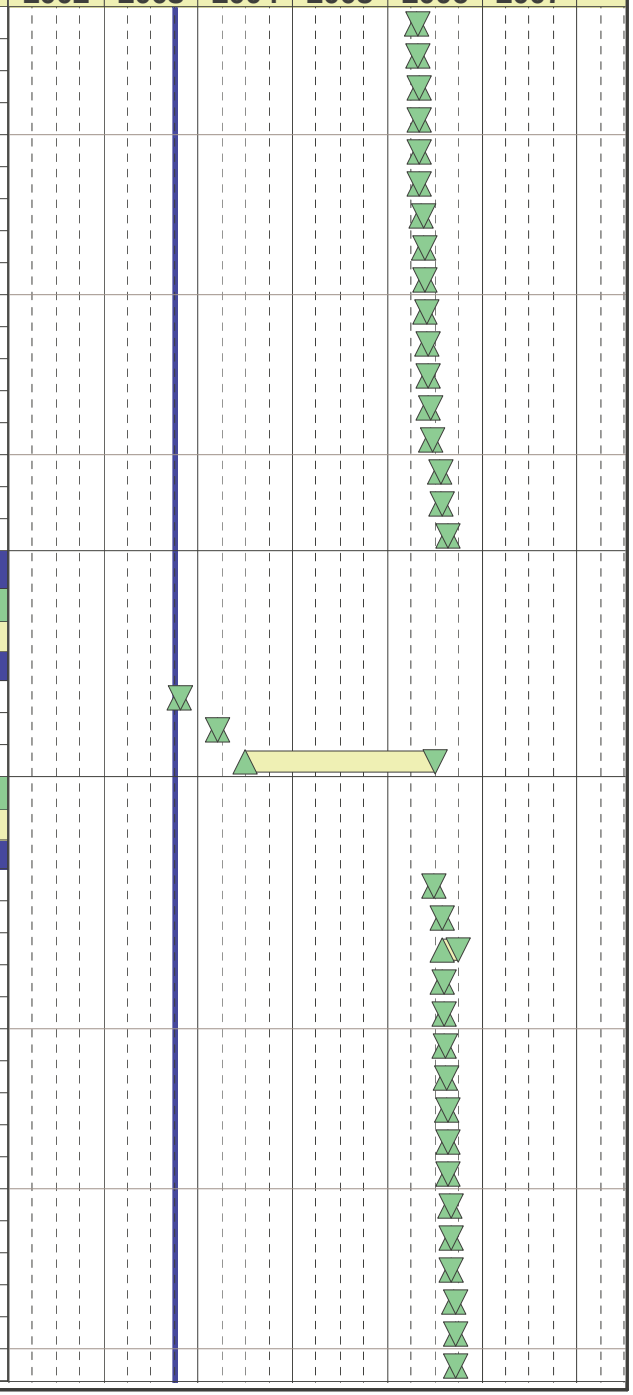
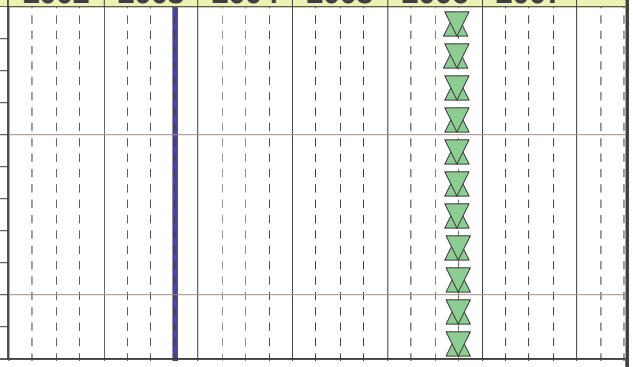
Activ ID	Activity Description	Current Start	Current Finish
Ground System LAT IOC Development			
1078	LAT IOC (SAS/DPF) Release 1	02JAN03A	31OCT03
1087	LAT IOC (SAS/Sci Tools) Release 1	02JUN03A	01JUN04
1081	LAT IOC (SAS/DPF) Release 2	03NOV03	06DEC04
1018	LAT IOC (LOF) Release 1	06MAY04	16JUL04
1090	LAT IOC (SAS/Sci Tools) Release 2	02JUN04	02JUN05
1021	LAT IOC (LOF) Release 2	19JUL04	19AUG05
1084	LAT IOC (SAS/DPF) Release 3	07DEC04	07DEC05
1030	LAT IOC (LOF) Release 3	22AUG05	18MAY06
1033	LAT IOC (LOF) Release 4	19MAY06	25JUL06
Ground System GBM IOC Development			
1093	GBM IOC Plan - Draft	02JAN03A	01OCT03
1036	GBM IOC (DA/MO) PDR	01MAY03A	01MAY03A
1099	Prepare GBM IOC H/W Req's/Funct Spec - Draft	01OCT03	14JAN04
1096	GBM IOC Plan - Final	02OCT03	14JAN04
1039	GBM IOC (DA/MO) CDR	30OCT03*	30OCT03
1042	GBM IOC (DA/MO) Release 1	31OCT03	11AUG04
1102	Prepare GBM IOC H/W Req's/Funct Spec - Final	15JAN04	01JUL04
1105	Acquire IOC Hardware	01APR04*	01DEC04
1045	GBM IOC (DA/MO) Release 2	12AUG04	12AUG05
1108	GBM IOC Facility Complete	02MAR05	02MAR05
Ground System Verification			
Ground Readiness Test (GRTs)			
0462	GRT1 Execute Test	07DEC04	07DEC04
0558	GRT2 Execute Test	26JAN05	26JAN05
0468	GRT3 Execute Test	03MAY05	03MAY05
0670	GRT4 Execute Test	08DEC05	08DEC05
0640	GRT5 Execute Test	25JAN06	25JAN06
0679	GRT6 Execute Test	03MAR06	03MAR06
0799	GRT7 Execute Test	01MAY06*	01MAY06
Mission Operations			
Mission Simulations			
0676	Mission Sim 1	25MAY06	25MAY06
0688	Mission Sim 2	15JUN06	15JUN06
0691	Mission Sim 3	25AUG06	25AUG06



Activ ID	Activity Description	Current Start	Current Finish
Observatory Integration and Test			
Observatory Integration & Test			
Observatory Integration Summary			
0020	Observatory Integration & Test	02SEP05	28JUL06
Observatory Integration and Test			
0233	GBM PwrBox & DPU Integration to S/C	02SEP05	09SEP05
0236	GBM Detector Integration to S/C	12SEP05	19SEP05
0564	GBM Functional Test	20SEP05	26SEP05
0230	LAT Mechanical Integration to S/C	27SEP05	10OCT05
0239	LAT Radiator Integration to S/C	11OCT05	20OCT05
6200	Install Flight Battery	21OCT05	21OCT05
0563	Obs Comprehensive Performance Test (CPT) #1	24OCT05	04NOV05
0566	Compatibility Test #1 (Digital) USN	07NOV05	11NOV05
6203	ETE System Test #1	14NOV05	15NOV05
0569	Observatory EMI/EMC Test	16NOV05	28NOV05
0573	Limited Performance Test (LPT) #1	29NOV05	29NOV05
6206	Remove Flight Battery/Install I&T Battery	30NOV05	30NOV05
0572	Solar Array Integration	01DEC05	01DEC05
0582	Solar Array First Motion Test #1	02DEC05	02DEC05
0586	Solar Array Capacitance Test #1	05DEC05	06DEC05
0242	Observatory Alignment Verification #1	07DEC05	08DEC05
0248	Pre-Environ Obs Comprehensive Perf Test	09DEC05	22DEC05
0251	Acoustics Test	27DEC05	10JAN06
0254	Limited Performance Test (LPT) #2	11JAN06	11JAN06
0594	GBM Calibration #1	11JAN06	11JAN06
0257	Sine Vibration Test	12JAN06	26JAN06
0260	Limited Performance Test (LPT) #3	27JAN06	27JAN06
0261	GBM Calibration #2	27JAN06	27JAN06
0263	Pyro Shock & Separation Test	30JAN06	31JAN06
0266	Limited Performance Test (LPT) #4	01FEB06	01FEB06
0267	GBM Calibration #3	01FEB06	01FEB06
0245	Propulsion System Leak Test (Low Pressure)	02FEB06	02FEB06
0273	Solar Array First Motion Test #2	03FEB06	03FEB06
0550	ETE System Test #2 (T&C)	06FEB06	07FEB06
0557	Radioactive Source Survey	06FEB06	09FEB06
0279	Observatory Alignment Verification #2	08FEB06	09FEB06
0272	Solar Array Removal	10FEB06	13FEB06
0275	Observatory Magnetics Test	14FEB06	17FEB06
0278	Obs Thermal Vacuum & Balance Tests (7Day/Wk)	18FEB06	23APR06
0486	ETE System Test #3 - LAT & GBM	21MAR06	22MAR06
0606	RF Compatibility Test #2 (CTV Required)	23MAR06	29MAR06



Activ ID	Activity Description	Current Start	Current Finish
0287	Install Solar Arrays	24APR06	27APR06
0321	Solar Array First Motion Test #3	28APR06	28APR06
0289	Solar Array Capacitance Test #2	01MAY06	02MAY06
0329	Chamber Transition to Cold	03MAY06	03MAY06
0333	Solar Array First Motion Test #4	04MAY06	04MAY06
0285	Chamber Return to Ambient	05MAY06	05MAY06
0281	Obs Comprehensive Performance Test (CPT) #3	08MAY06	19MAY06
0291	GBM Calibration #4	22MAY06	22MAY06
0303	Propulsion System Funct C/O & Leak Chk (MEOP)	23MAY06	24MAY06
0309	RF Compatibility Test #3 (Digital) - Malindi	26MAY06	01JUN06
0552	ETE System Test #4 - Launch & Normal Operations	02JUN06	05JUN06
0290	Optical Alignments	06JUN06	07JUN06
0575	Obs Mass Properties Verification(Obs I&T Finish)	08JUN06	14JUN06
0673	ETE System Test #5 - Spec & Contingency Ops	16JUN06	19JUN06
0578	Pack for Shipment	22JUL06	23JUL06
0079	Ship Glast to Launch Site	24JUL06	28JUL06
0685	ETE System Test #6 - Pad Data Flow	23AUG06	24AUG06
DLV Launch Services			
Mission Operations			
Delta Launch Vehicle Development			
6110	Kickoff Ground Ops Working Group (GOWG)	21OCT03*	23OCT03
6113	GOWG II	15MAR04*	17MAR04
0301	Delta Launch Vehicle Development	30JUN04	30JUN06
Launch Site Operations			
Launch Site Operations			
6106	KSC Ground Ops Review (GOR)(SC Arrival - 1m)	28JUN06	28JUN06
0322	Observatory Arrival and Upack (L-60)	29JUL06	01AUG06
0082	Launch Site Operations-SUMM	31JUL06	29SEP06
0520	Propulsion System Funct C/O & Leak Chk (MEOP)	02AUG06	03AUG06
0576	Install Flight Batteries (L-54)	04AUG06	07AUG06
0325	Observatory Alignment Checks	08AUG06	09AUG06
0607	Observatory Comprehensive Perf Test (CPT)	10AUG06	16AUG06
0334	Observatory RF Compatibility Test	17AUG06	22AUG06
6112	HQ Code Q IMAR (L-1m approx)	24AUG06	24AUG06
6115	SC MRR (L-5w approx)	24AUG06	24AUG06
0337	Solar Array First Motion & Capacitance Test	28AUG06	30AUG06
6109	KSC Ctr Directories LV LRR(CDLVLRR)(L-1m)	31AUG06	31AUG06
0340	Launch Rehearsal #1	31AUG06	31AUG06
0343	Prop Load	14SEP06	18SEP06
0346	(T-11) Weigh Observatory	19SEP06	19SEP06
0349	(T-10) Observatory/PAF Installation	20SEP06	20SEP06



Activ ID	Activity Description	Current Start	Current Finish
0355	(T-9) Launch Site Readiness Review	21SEP06	21SEP06
0357	Move GSE to PAD	21SEP06	22SEP06
0352	(T-8) Transportation Can Installation	22SEP06	22SEP06
0358	(T-7) Observatory/LV Mate	23SEP06	23SEP06
0361	(T-6) Flight Program Verif, Stray Voltage Checks	24SEP06	24SEP06
0370	(T-5) Fairing Installation	25SEP06	25SEP06
0373	(T-4) Flight Readiness Review (FRR)	26SEP06	26SEP06
0376	(T-3) Second-Stage Propellant Loading	27SEP06	27SEP06
0367	(T-2) LMCM + Launch Rehearsal #2	28SEP06	28SEP06
0379	(T-1) Launch Readiness Review (LRR)	29SEP06	29SEP06
0612	(T-0) Countdown and Launch	30SEP06	30SEP06