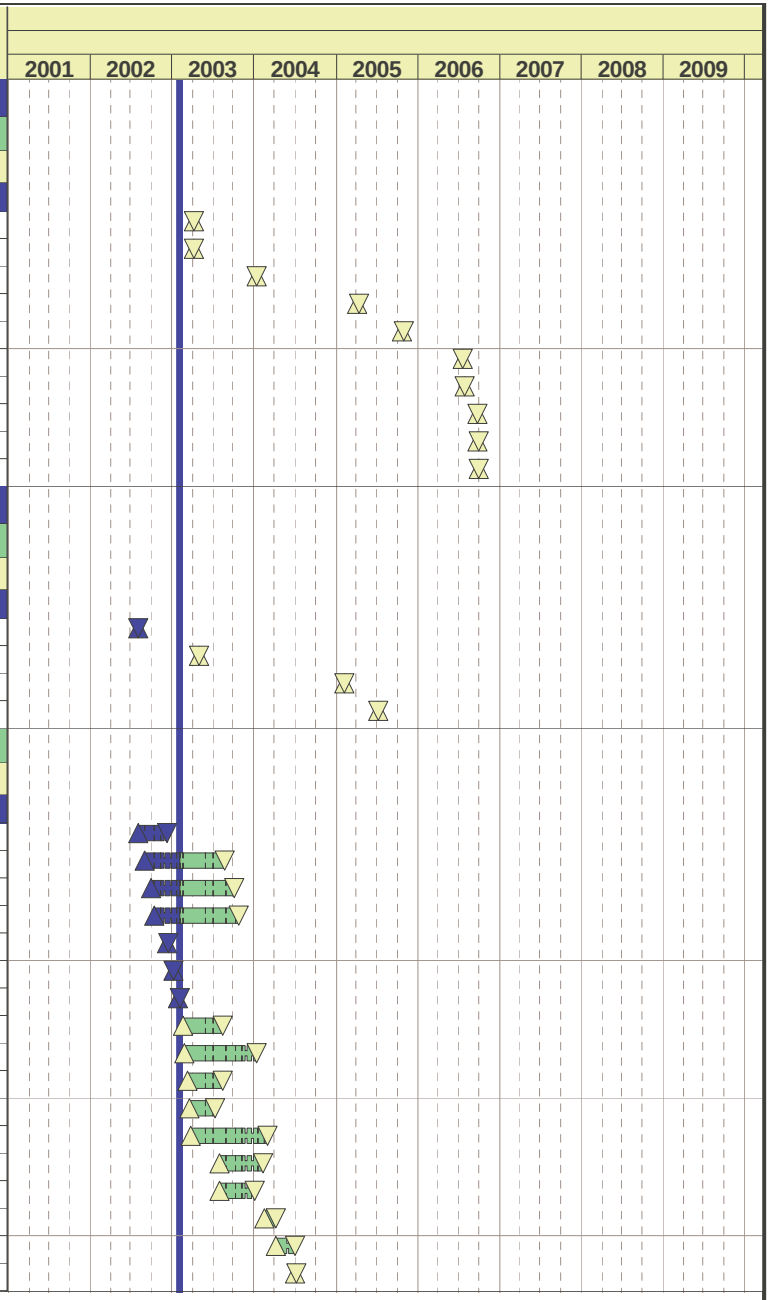
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **Glast Major Milestones** | | | | | |
| **Glast Major Milestones** | | | | | |
| **Glast Major Milestones** | | | | | |
| **Glast Major Milestones** | | | | | |
| 0121 | Mission PDR | 3 | 08APR03 | 10APR03 | AL V |
| 0124 | Mission NAR | 1 | 11APR03 | 11APR03 | AL V |
| 0127 | Mission CDR | 3 | 13JAN04 | 15JAN04 | AL V |
| 0130 | Mission MOR | 3 | 07APR05 | 11APR05 | AL V |
| 0133 | Mission PER | 1 | 27OCT05* | 27OCT05 | AL V |
| 0150 | Mission ORR | 1 | 19JUL06 | 19JUL06 | AL V |
| 0076 | Mission PSR | 1 | 31JUL06* | 31JUL06 | AL V |
| 0085 | Mission FRR | 1 | 26SEP06 | 26SEP06 | AL V |
| 0088 | Mission LRR | 1 | 28SEP06 | 28SEP06 | AL V |
| 0091 | Launch | 1 | 30SEP06 | 30SEP06* | AL V |
| **LAT Instrument** | | | | | |
| **LAT Major Milestones** | | | | | |
| **LAT Major Milestones** | | | | | |
| **LAT Major Milestones** | | | | | |
| 0001 | LAT Delta PDR | 3 | 30JUL02A | 01AUG02A | BERNIE G |
| 0004 | LAT CDR | 3 | 30APR03* | 02MAY03 | BERNIE G |
| 0010 | LAT PER | 1 | 10FEB05 | 10FEB05 | BERNIE G |
| 0016 | LAT PSR | 1 | 07JUL05* | 07JUL05 | BERNIE G |
| **LAT ACD** | | | | | |
| **LAT ACD Top-Level Development/Milestones** | | | | | |
| **ACD Top-Level Development/Milestones** | | | | | |
| 0148 | ACD Detailed Design - SUMMARY | 93* | 30JUL02A | 11DEC02A | BERNIE G |
| 2509 | Analog ASIC Development (3-Flt) -SUMMARY | 241* | 03SEP02A | 25AUG03 | BERNIE G |
| 2512 | Digital ASIC Development-SUMMARY | 248* | 01OCT02A | 02OCT03 | BERNIE G |
| 2518 | Receive & Integrate PMTs(1-240) w/RNs-SUMMARY | 252* | 15OCT02A | 22OCT03 | BERNIE G |
| 0177 | Mechanical Team PEER Review | 10 | 12DEC02A | 18DEC02A | BERNIE G |
| 0157 | ACD CDR | 2 | 07JAN03A | 08JAN03A | BERNIE G |
| 2533 | Event Simulator RFI | 1 | 31JAN03A | 31JAN03A | BERNIE G |
| 2521 | Flight TDA Fab, Assy & Test-SUMMARY | 127* | 18FEB03 | 15AUG03 | BERNIE G |
| 2506 | FU High Voltage Bias Supply-SUMMARY | 220* | 25FEB03 | 15JAN04 | BERNIE G |
| 2527 | Flight Shell Subassy Development-SUMMARY | 109* | 12MAR03 | 13AUG03 | BERNIE G |
| 2503 | Flight Base Frame Development-SUMMARY | 79* | 17MAR03 | 07JUL03 | BERNIE G |
| 2530 | Flight Micrometeroid Shield Development-SUMMARY | 231* | 27MAR03 | 04MAR04 | BERNIE G |
| 0017 | ACD Subsystem Integration & Test-SUMMARY | 129* | 01AUG03 | 13FEB04 | BERNIE G |
| 2515 | FREE FU Development-SUMMARY | 98* | 05AUG03 | 02JAN04 | BERNIE G |
| 0032 | ACD System Integration & Test-SUMMARY | 37* | 17FEB04 | 07APR04 | BERNIE G |
| 0035 | ACD Environmental Testing-SUMMARY | 61* | 08APR04 | 02JUL04 | BERNIE G |
| 0048 | ACD PSR | 1 | 06JUL04 | 06JUL04 | BERNIE G |

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|---|---|
| **Start Date** | **03APR00** |
| **Finish Date** | **22DEC06** |
| **Data Date** | **01FEB03** |
| **Run Date** | **12MAR03 16:20** |

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Early Bar
Progress Bar
Critical Activity

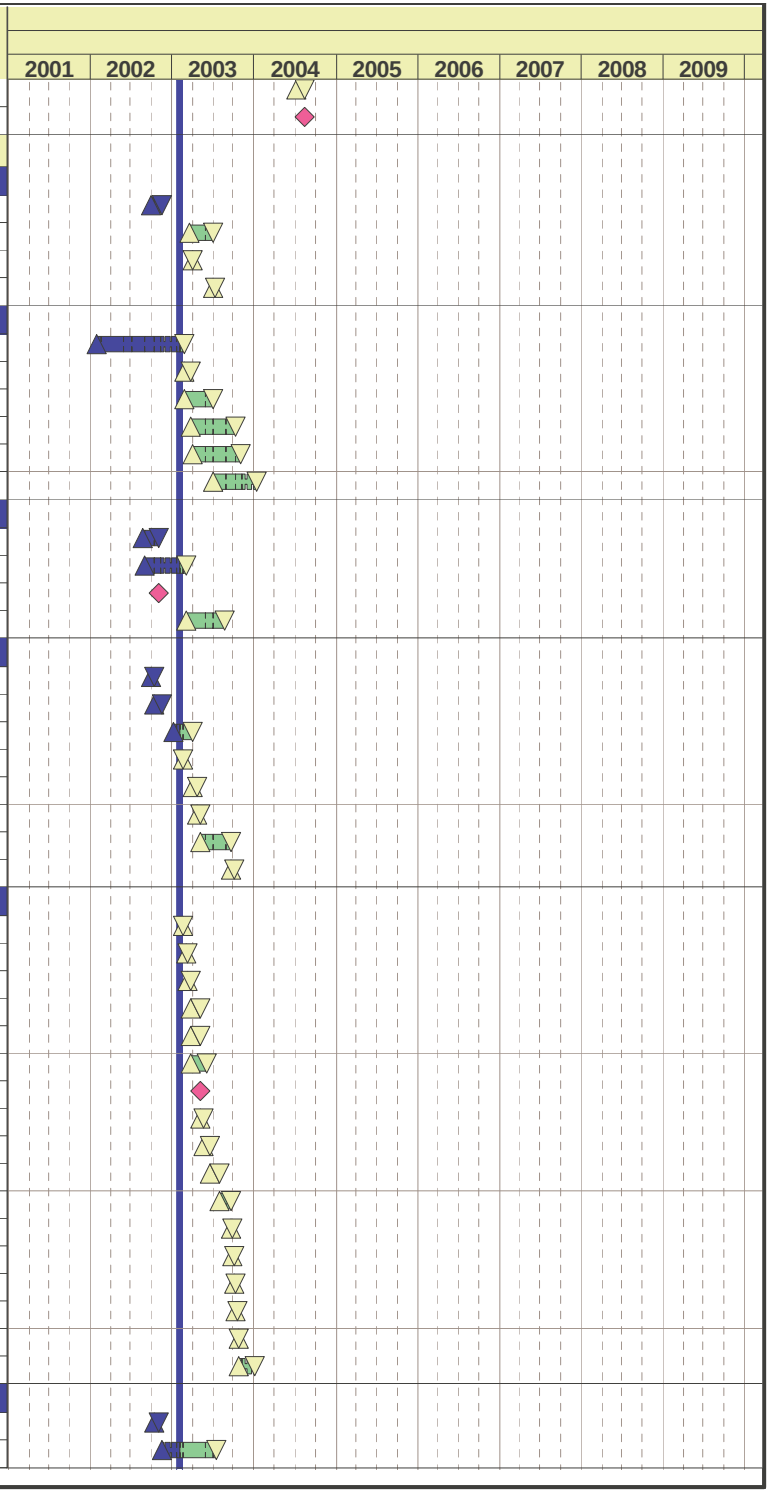
GLS1



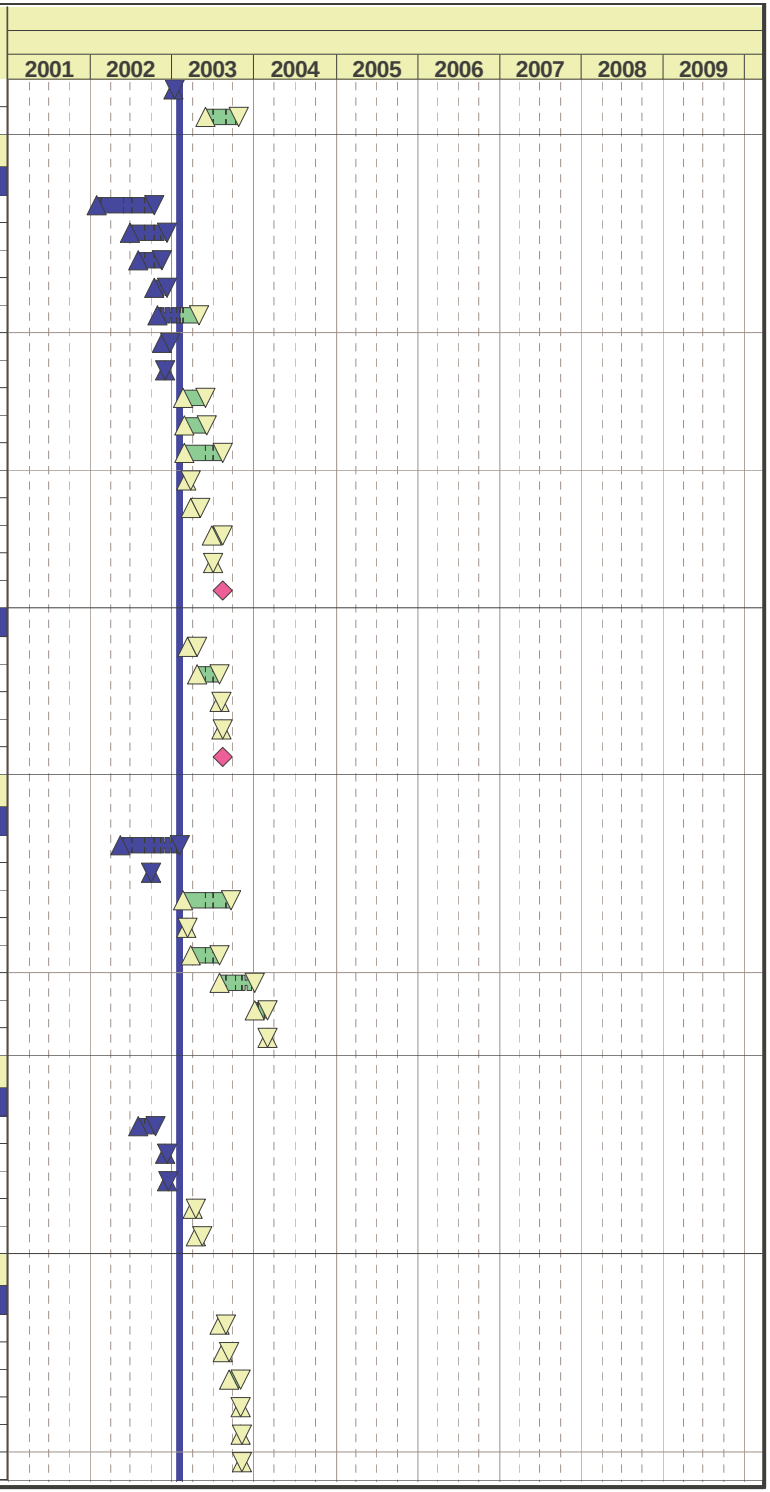
**GLAST Project Summary Schedule - End of Jan 03 Status**

| Date | Revision | Checked | Approved |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

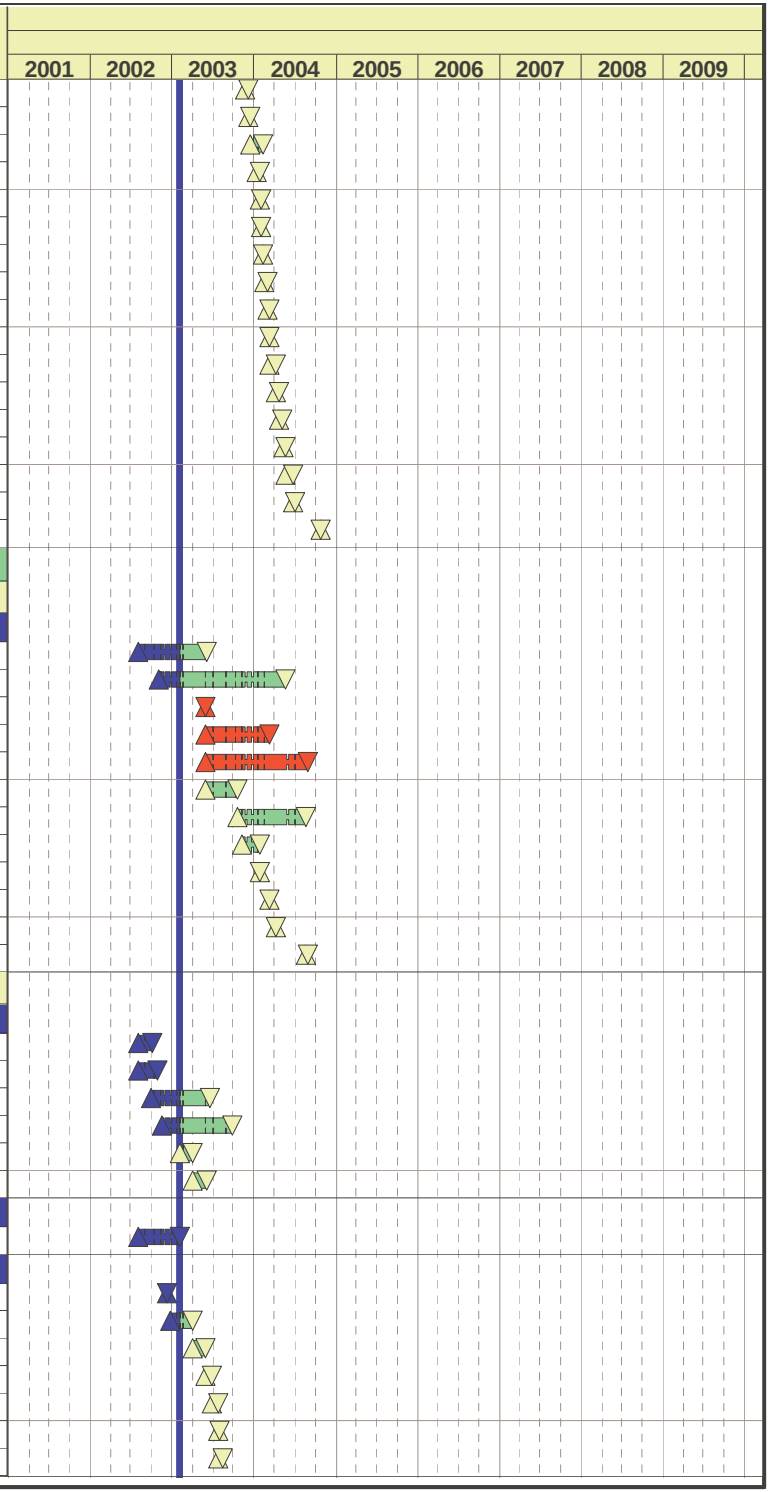
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0038 | ACD Shipping, Unpacking, Testing @ SLAC, RFI | 25 | 07JUL04 | 10AUG04 | BERNIE G |
| 0041 | ACD Flight Unit @ SLAC, Tested, Inspected & RFI | 0 | | 10AUG04 | BERNIE G |
| **LAT ACD Base Electronic Assembly (BEA)** | | | | | |
| **ACD Base Frame Assembly** | | | | | |
| 0437 | Base Frame Design & Analysis | 32 | 01OCT02A | 15NOV02A | BERNIE G |
| 0443 | Flight Base Frame Fab | 78 | 17MAR03 | 03JUL03 | BERNIE G |
| 0686 | Test Unit Base Frame Delivered | 1 | 01APR03* | 01APR03 | BERNIE G |
| 0446 | Flight Base Frame Delivery to Mechanical | 1 | 07JUL03 | 07JUL03 | BERNIE G |
| **ACD High Voltage Bias Supply** | | | | | |
| 0677 | HVBS DU Development (Incl Functional) | 263* | 31JAN02A | 25FEB03 | BERNIE G |
| 0458 | Procure RN FU PCBs | 22 | 25FEB03* | 26MAR03 | BERNIE G |
| 0707 | HVBS EU Design, Develop & Test | 90 | 26FEB03 | 02JUL03 | BERNIE G |
| 0455 | RN FU Assemble & Populate All Boards | 137 | 27MAR03 | 08OCT03 | BERNIE G |
| 0680 | RN FU Coat, Test & Inspect | 151 | 03APR03 | 05NOV03 | BERNIE G |
| 0620 | HVBS FU QU | 129 | 03JUL03 | 15JAN04 | BERNIE G |
| **ACD Analog ASIC** | | | | | |
| 0482 | 2nd Gen Analog ASIC Test | 16 | 22AUG02A | 01NOV02A | BERNIE G |
| 0668 | GAFE Gen 3-6 Development & Test | 118* | 03SEP02A | 03MAR03 | BERNIE G |
| 0512 | 2nd Gen Analog ASIC Test Complete | 0 | | 01NOV02A | BERNIE G |
| 2500 | GAFE Flight Development & Test | 123 | 04MAR03* | 25AUG03 | BERNIE G |
| **ACD Digital ASIC** | | | | | |
| 0485 | 1st Gen Digital ASIC Test | 13 | 01OCT02A | 15OCT02A | BERNIE G |
| 0488 | 2nd Gen Digital ASIC Design | 24 | 15OCT02A | 18NOV02A | BERNIE G |
| 0491 | 2nd Gen Digital ASIC Procurement/Build | 61* | 06JAN03A | 02APR03 | BERNIE G |
| 3512 | ADC, DAC FU Ready for FREE Assembly | 1 | 18FEB03* | 18FEB03 | BERNIE G |
| 0494 | 2nd Gen Digital ASIC Test | 15 | 03APR03 | 23APR03 | BERNIE G |
| 0497 | FU Digital ASIC Design | 10 | 24APR03 | 07MAY03 | BERNIE G |
| 0521 | FU Digital ASIC Build/Slice Die/Package/Inspect | 96 | 08MAY03 | 23SEP03 | BERNIE G |
| 0527 | Procure Contract for FU D_ASIC Tstng Servs/Revw | 7 | 24SEP03 | 02OCT03 | BERNIE G |
| **ACD Front End Electronics Card** | | | | | |
| 0689 | Receive FREE DU | 1 | 18FEB03* | 18FEB03 | BERNIE G |
| 0479 | FREE DU Assemble & Populate | 5 | 04MAR03 | 10MAR03 | BERNIE G |
| 0467 | FREE DU Test | 10 | 11MAR03 | 24MAR03 | BERNIE G |
| 0737 | BEA Test, Define/Write Funct Test Plan | 30 | 25MAR03 | 05MAY03 | BERNIE G |
| 0509 | FREE EU/PCB Development | 32 | 25MAR03 | 07MAY03 | BERNIE G |
| 0617 | FREE EU Define Test Plan | 50 | 25MAR03 | 03JUN03 | BERNIE G |
| 0539 | 11 FREE Boards & ASICs(1 Fully Tested)Available | 0 | | 07MAY03 | BERNIE G |
| 0503 | FREE EU PCBs Assemble & Populate 4 | 10 | 08MAY03 | 21MAY03 | BERNIE G |
| 0536 | FREE EU Testing | 21 | 22MAY03 | 20JUN03 | BERNIE G |
| 0633 | FREE EU BAE Environmental Testing | 30 | 23JUN03 | 04AUG03 | BERNIE G |
| 0542 | FREE FU Build | 31 | 05AUG03 | 17SEP03 | BERNIE G |
| 3503 | FREE FU Populate w/A_ASICs | 5 | 18SEP03 | 24SEP03 | BERNIE G |
| 3506 | FREE FU Populate w/ADC | 5 | 25SEP03 | 01OCT03 | BERNIE G |
| 3509 | FREE FU Populate w/DAC | 5 | 02OCT03 | 08OCT03 | BERNIE G |
| 0530 | FREE FU Pop w/D_ASICs | 5 | 09OCT03 | 16OCT03 | BERNIE G |
| 3500 | FREE FU Populate w/PMTs | 5 | 23OCT03 | 29OCT03 | BERNIE G |
| 0710 | FREE FU 1 Testing | 38 | 30OCT03 | 02JAN04 | BERNIE G |
| **ACD Photo-Multiplier Tubes (PMTs)** | | | | | |
| 0716 | Receive Flight PMTs (1-30) | 15 | 15OCT02A | 04NOV02A | BERNIE G |
| 0696 | Receive Flight PMTs (31-240) | 160* | 15NOV02A | 14JUL03 | BERNIE G |



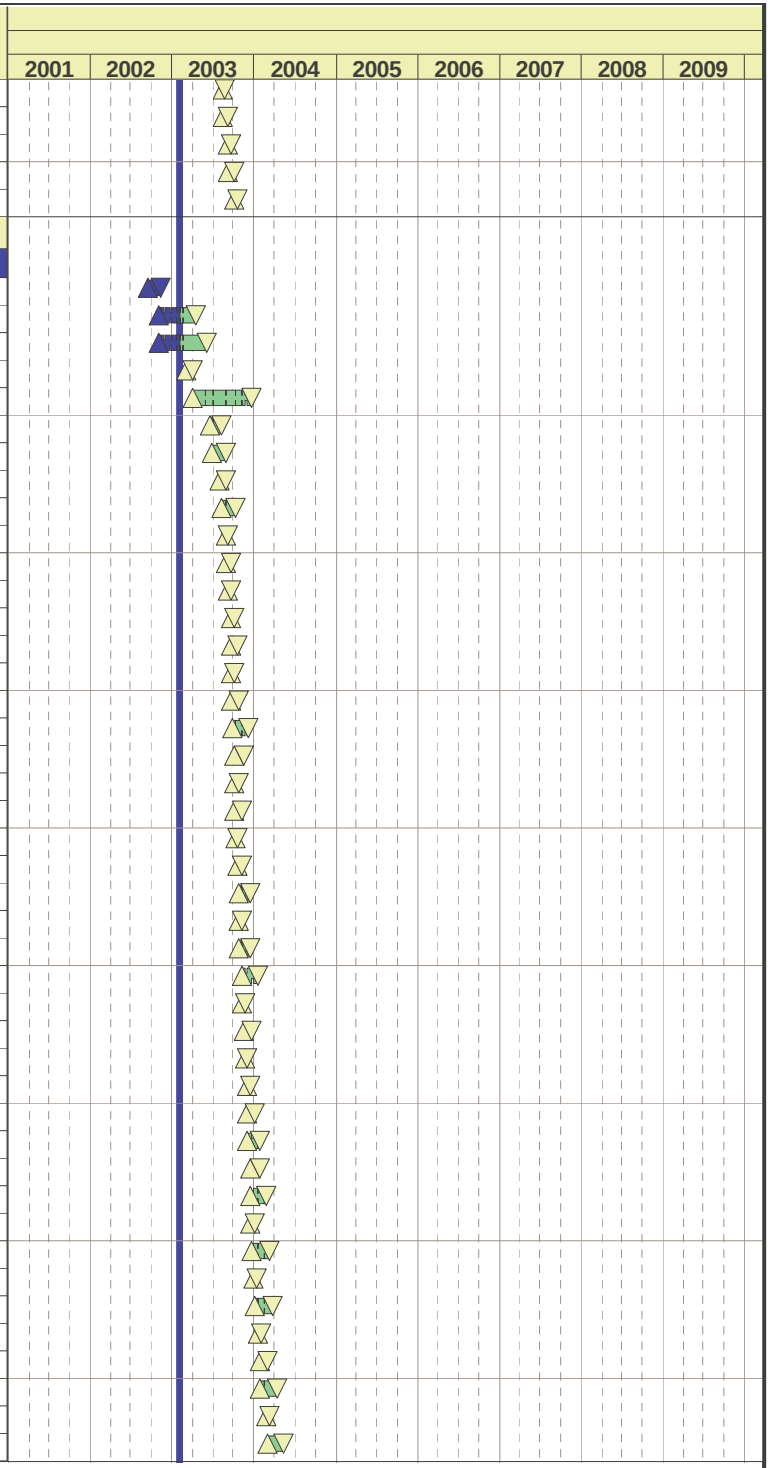
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0506 | Receive PMT COTS (60) | 1 | 10JAN03A | 10JAN03A | BERNIE G |
| 0476 | PMT FU, Integrate RNs 1-240 + Conformal Coat | 104 | 27MAY03* | 22OCT03 | BERNIE G |
| **LAT ACD Tile Shell Assembly (TSA)** | | | | | |
| **ACD Tile Detector Assemblies (TDAs)** | | | | | |
| 0517 | Acceptance Test WSF/Clear Fiber Cables | 179 | 31JAN02A | 15OCT02A | BERNIE G |
| 0627 | Acceptance Test PMT Fiber Conn - Light Yield | 105 | 01JUL02A | 11DEC02A | BERNIE G |
| 0532 | TU TDA Fab & Assembly (20 TDAs/Fermi) | 75 | 31JUL02A | 15NOV02A | BERNIE G |
| 0523 | Tile Detector Assembly Testing | 36 | 16OCT02A | 11DEC02A | BERNIE G |
| 0526 | Flight Termination & Test (80 WSF/Clear Cables) | 120* | 30OCT02A | 30APR03 | BERNIE G |
| 0535 | TU TDA Acceptance Testing (20 TDAs/Fermi) | 23* | 18NOV02A | 19DEC02A | BERNIE G |
| 0502 | TDA TU Tiedown Fab & Assy Complete | 1 | 03DEC02A | 03DEC02A | BERNIE G |
| 0538 | Flight TDA Fab & Assembly (89 TDAs)-Fermi | 72 | 18FEB03* | 29MAY03 | BERNIE G |
| 0547 | Flight TDA Tiedown Development & Assy Support | 66 | 28FEB03* | 02JUN03 | BERNIE G |
| 0541 | Flight Termination & Test (80 PMT/Fiber Cables) | 119 | 28FEB03* | 15AUG03 | BERNIE G |
| 0598 | Flight Fiber Ribbon Fab | 16 | 04MAR03* | 25MAR03 | BERNIE G |
| 0601 | Flight Fiber Ribbon Test | 30 | 26MAR03 | 06MAY03 | BERNIE G |
| 0529 | Flight TDA Acceptance Testing (89 TDAs) | 35 | 27JUN03 | 15AUG03 | BERNIE G |
| 0505 | TDA Installation Drawing & Procedure Complete | 1 | 01JUL03* | 01JUL03 | BERNIE G |
| 0544 | Flight TDA Acceptance Testing Complete | 0 | | 15AUG03 | BERNIE G |
| **ACD Shell Subassembly** | | | | | |
| 0425 | Flight Shell Procure, Spec & Award | 30 | 12MAR03* | 22APR03 | BERNIE G |
| 0428 | Flight Shell Development | 68 | 23APR03 | 29JUL03 | BERNIE G |
| 0431 | Flight Shell Ship to GSFC | 5 | 30JUL03 | 05AUG03 | BERNIE G |
| 0441 | Flight Shell Strength Testing @ GSFC @ Arrival | 6 | 06AUG03 | 13AUG03 | BERNIE G |
| 0434 | Flight Shell Delivered to GSFC | 0 | | 13AUG03 | BERNIE G |
| **LAT ACD Other Hardware Development** | | | | | |
| **ACD Other Hardware Development** | | | | | |
| 0470 | Event Simulator Development | 189 | 15MAY02A | 31JAN03A | BERNIE G |
| 0514 | Complete Micrometeoroid Shield Design | 1 | 30SEP02A | 30SEP02A | BERNIE G |
| 0623 | ACD Electrical Test Cables Development | 148 | 20FEB03* | 18SEP03 | BERNIE G |
| 0440 | Grid I/F Template Design & Fab | 10 | 03MAR03* | 14MAR03 | BERNIE G |
| 0626 | Flight Micrometeoroid Shield/Material Procurement | 90 | 27MAR03* | 01AUG03 | BERNIE G |
| 0629 | TU MM Shield Fab & Test/Fab Cal Unit Shield | 99 | 04AUG03 | 02JAN04 | BERNIE G |
| 0632 | Flight MM Shield Fab | 40 | 05JAN04 | 02MAR04 | BERNIE G |
| 0635 | Deliver Flight MM Shield | 2 | 03MAR04 | 04MAR04 | BERNIE G |
| **LAT ACD Mechancial Qualification** | | | | | |
| **ACD Mechanical Qualification** | | | | | |
| 0499 | TSA TU Fab, Assy & Delivery | 36 | 02AUG02A | 17OCT02A | BERNIE G |
| 0508 | TSA TU Section Integration | 10 | 02DEC02A | 05DEC02A | BERNIE G |
| 0511 | TSA TU Vibe/Thermal Testing | 20 | 06DEC02A | 18DEC02A | BERNIE G |
| 0464 | BEA Base Frame TU Section Integration | 10 | 02APR03 | 15APR03 | BERNIE G |
| 0461 | BEA Base Frame TU Testing | 21 | 16APR03 | 14MAY03 | BERNIE G |
| **LAT ACD Integration & Test** | | | | | |
| **ACD Integration & Test** | | | | | |
| 0554 | BEA Mechanical Subsystem I&T | 20 | 01AUG03* | 28AUG03 | BERNIE G |
| 0545 | TSA Mechanical Subsystem Integration | 20 | 14AUG03 | 11SEP03 | BERNIE G |
| 0548 | ACD Mech Subsys Tests-Vibe,Mass Prop,Acous,TVAC | 34 | 12SEP03 | 30OCT03 | BERNIE G |
| 0551 | Deliver Qualified Mechanical Hardware to I&T | 1 | 31OCT03 | 31OCT03 | BERNIE G |
| 0608 | Prepare Components (BEA) | 5 | 03NOV03 | 07NOV03 | BERNIE G |
| 0611 | Mate EGSE | 2 | 11NOV03 | 12NOV03 | BERNIE G |



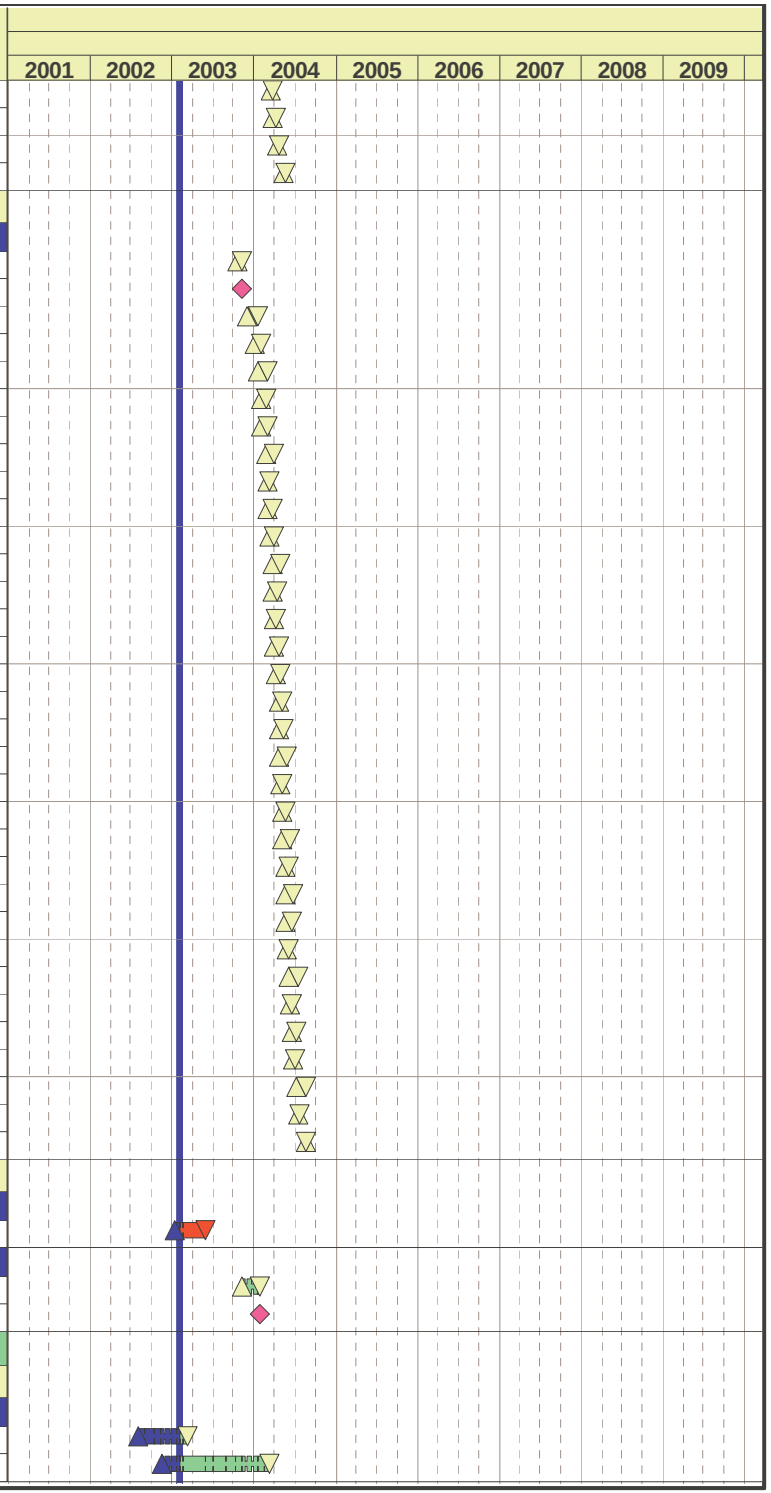
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0026 | Prepare Components (TSA)(Incl Flt TDA Spare-Drv) | 6 | 26NOV03* | 04DEC03 | BERNIE G |
| 0422 | Install Clear Fibers & Ribbons | 5 | 05DEC03 | 11DEC03 | BERNIE G |
| 0605 | Install & Test 17 Rows of TDAs (5 per Row) | 35 | 12DEC03 | 10FEB04 | BERNIE G |
| 0614 | 1st Install & Test Elec Mods (FREE, HVBS, PMTs) | 5 | 16JAN04 | 23JAN04 | BERNIE G |
| 0674 | 2nd Install & Test Elec Mods (FREE, HVBS, PMTs) | 5 | 26JAN04 | 30JAN04 | BERNIE G |
| 0704 | 3rd Install & Test Elec Mods (FREE, HVBS, PMTs) | 5 | 02FEB04 | 06FEB04 | BERNIE G |
| 0734 | 4th Install & Test Elec Mods (FREE, HVBS, PMTs) | 5 | 09FEB04 | 13FEB04 | BERNIE G |
| 0593 | TSA Integ to BEA/Mate&Test Fiber Cables to PMT | 10 | 17FEB04 | 01MAR04 | BERNIE G |
| 0596 | Install & Test 4 TDAs & Perform ACD Functional | 5 | 02MAR04 | 08MAR04 | BERNIE G |
| 0599 | Install Micrometeroid Shield/Thermal Blanket | 2 | 09MAR04 | 10MAR04 | BERNIE G |
| 0602 | ACD Performance Efficiency Verification Test | 20 | 11MAR04 | 07APR04 | BERNIE G |
| 0227 | EMI/EMC Prep, Test & Teardown | 9 | 08APR04 | 20APR04 | BERNIE G |
| 0581 | Vibe Prep, Test & Teardown | 13 | 21APR04 | 07MAY04 | BERNIE G |
| 0584 | Acoustics Prep, Test & Teardown | 8 | 10MAY04 | 19MAY04 | BERNIE G |
| 0587 | TVAC Balance & Cycling Prep, Test & Teardown | 26 | 20MAY04 | 25JUN04 | BERNIE G |
| 0590 | Mass Properties Prep, Test & Teardown | 5 | 28JUN04 | 02JUL04 | BERNIE G |
| 0044 | ACD Integration & Test NEED DATE | 1 | 25OCT04* | 25OCT04 | BERNIE G |
| **LAT Tracker** | | | | | |
| **LAT Tracker Top-Level Development/Milestones** | | | | | |
| **TKR Top-Level Development/Milestones** | | | | | |
| 0166 | TKR Tray Silicon Strip Detectors Dev-SUMM | 205* | 02AUG02A | 04JUN03 | BERNIE G |
| 0196 | TKR Trays Assembly-SUMM | 380* | 01NOV02A | 21MAY04 | BERNIE G |
| 0160 | Tracker CDR | 1 | 29MAY03 | 29MAY03 | BERNIE G |
| 0011 | TKR Tower Development For CAL Unit(A,B,1-2)-SUMM | 190* | 29MAY03 | 09MAR04 | BERNIE G |
| 0149 | TKR FLT Tower Development (3-16)-SUMM | 309* | 29MAY03 | 25AUG04 | BERNIE G |
| 0178 | TKR Tray Electronics Development-SUMM | 99* | 30MAY03 | 20OCT03 | BERNIE G |
| 0199 | TKR Towers Assembly & Test -SUMM | 209* | 20OCT03 | 24AUG04 | BERNIE G |
| 0217 | TKR Qual Towers Testing (A&B) | 47* | 11NOV03 | 27JAN04 | BERNIE G |
| 0208 | Tracker Mods A & B RFI (For Calibration Unit) | 1 | 28JAN04 | 28JAN04 | BERNIE G |
| 0211 | Tracker Mods 1 & 2 RFI (For Calibration Unit) | 1 | 09MAR04 | 09MAR04 | BERNIE G |
| 0226 | Flight Tracker Mods 3 & 4 RFI | 1 | 06APR04 | 06APR04 | BERNIE G |
| 0232 | Flight Tracker Mods 15 & 16 RFI | 1 | 25AUG04 | 25AUG04 | BERNIE G |
| **LAT Tracker Tray Subassembly** | | | | | |
| **TKR Silicon Strip Detectors (SSD)** | | | | | |
| 0700 | TKR SSD Lot 9-10 (Italy) Procurement | 44 | 02AUG02A | 03OCT02A | BERNIE G |
| 0697 | TKR SSD Lot 7-8 (Japan) Procurement | 59 | 02AUG02A | 25OCT02A | BERNIE G |
| 0703 | TKR SSD Lot 11-12 (Japan) Procurement | 171* | 02OCT02A | 16JUN03 | BERNIE G |
| 0706 | TKR SSD Lot 13-14 (Italy) Procurement | 211* | 20NOV02A | 29SEP03 | BERNIE G |
| 0709 | TKR SSD Lot 15-16 (Japan) Procurement | 43 | 03FEB03* | 03APR03 | BERNIE G |
| 0712 | Delivery of TKR SSD Lot 3-4 (SLAC) | 43 | 04APR03 | 04JUN03 | BERNIE G |
| **TKR Tray Mechanical** | | | | | |
| 0730 | Develop TKR Tray Structure Production Fixtures | 119 | 02AUG02A | 31JAN03A | BERNIE G |
| **TKR Tray Electronics** | | | | | |
| 0715 | ASIC Design Complete (EM1 to TKR) | 1 | 06DEC02A | 06DEC02A | BERNIE G |
| 0718 | ASIC Development (TKR) | 65* | 23DEC02A | 03APR03 | BERNIE G |
| 0721 | Test ASICs @ SLAC (TKR) | 39 | 04APR03 | 29MAY03 | BERNIE G |
| 0727 | FabTKR Flight Tray Elex Mods | 19 | 30MAY03 | 25JUN03 | BERNIE G |
| 0736 | Test TKR Flight Tray Elex Mod Lot 1 | 20 | 26JUN03 | 24JUL03 | BERNIE G |
| 0739 | Ship TKR Flight Tray Elex Mod Lot 1 to PISA | 3 | 25JUL03 | 29JUL03 | BERNIE G |
| 0742 | Test TKR Flight Tray Elex Mod Lot 2 | 13 | 25JUL03 | 12AUG03 | BERNIE G |



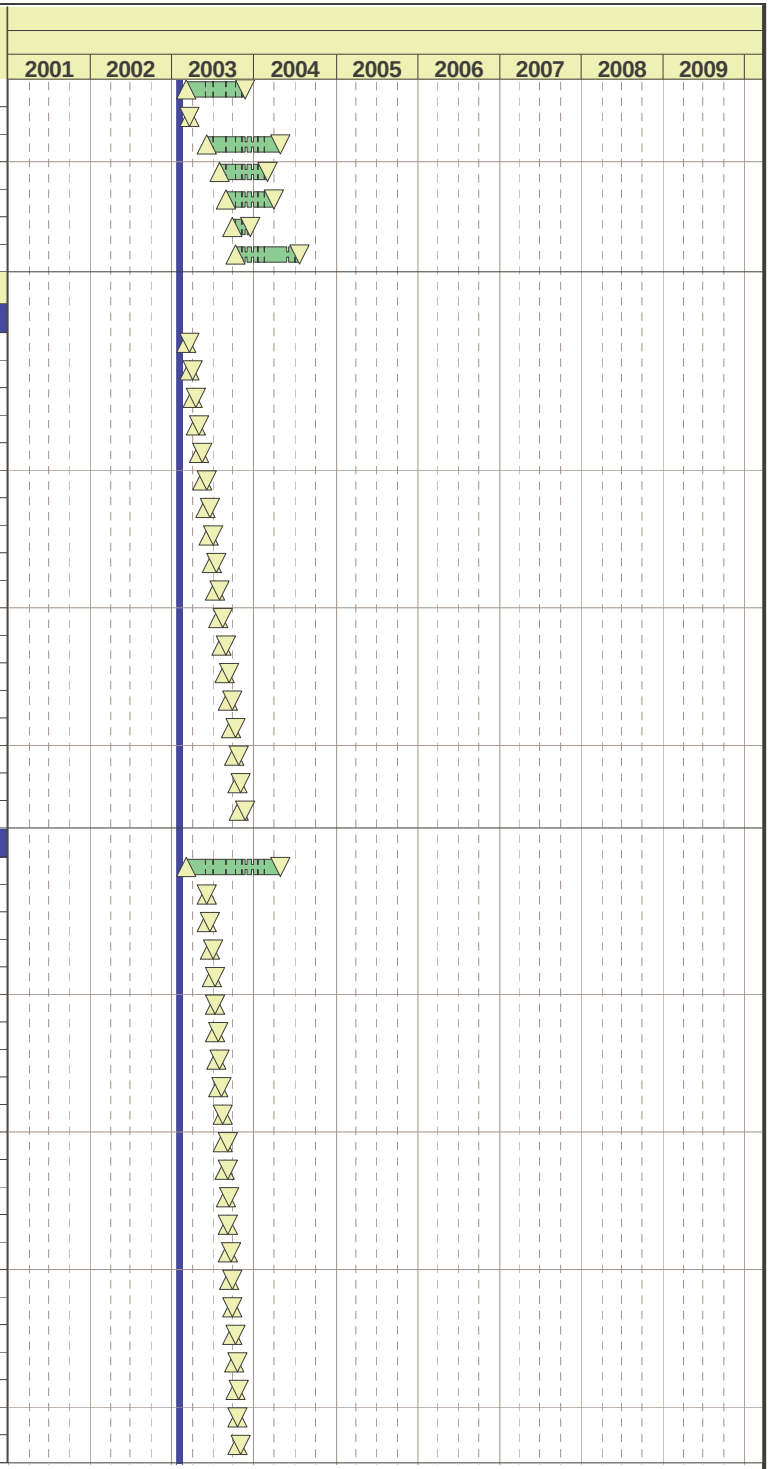
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0745 | Ship TKR Flight Tray Elex Mod Lot 2 to PISA | 9 | 13AUG03 | 25AUG03 | BERNIE G |
| 0748 | Test TKR Flight Tray Elex Mod Lot 3 | 19 | 13AUG03 | 09SEP03 | BERNIE G |
| 0751 | Ship TKR Flight Tray Elex Mod Lot 3 to PISA | 9 | 10SEP03 | 22SEP03 | BERNIE G |
| 0754 | Test TKR Flight Tray Elex Mod Lot 4 | 19 | 10SEP03 | 06OCT03 | BERNIE G |
| 0757 | Ship TKR Flight Tray Elex Mod Lot 4 to PISA | 9 | 07OCT03 | 20OCT03 | BERNIE G |
| **LAT Tracker Tray Assembly** | | | | | |
| **TKR Tray Assembly** | | | | | |
| 1048 | Assemble TKR SSD Ladders Lot A-B | 43 | 16SEP02A | 13NOV02A | BERNIE G |
| 0775 | Assemble TKR SSD Ladders Lot 1-2 | 110* | 01NOV02A | 18APR03 | BERNIE G |
| 0763 | Assemble TKR SSD Ladders to Lot 3-4 | 143* | 01NOV02A | 05JUN03 | BERNIE G |
| 0733 | Assemble Flight TKR Tray Panels Lot A-B | 23 | 03MAR03* | 02APR03 | BERNIE G |
| 1054 | Assemble Flight TKR Tray Panels Lot 1-16 | 183 | 03APR03 | 23DEC03 | BERNIE G |
| 0826 | Assemble TKR SSD Ladders Lot 11-12 | 39 | 17JUN03 | 11AUG03 | BERNIE G |
| 0838 | Assemble TKR SSD Ladders Lot 5-6 | 44 | 27JUN03* | 28AUG03 | BERNIE G |
| 0787 | Assemble TMCMs to TKR Tray Lot A-B | 20 | 30JUL03 | 26AUG03 | BERNIE G |
| 0853 | Assemble TKR SSD Ladders Lot 7-8 | 45 | 08AUG03* | 10OCT03 | BERNIE G |
| 0790 | Assemble TMCMs to TKR Tray Lot 1-2 | 9 | 27AUG03 | 09SEP03 | BERNIE G |
| 0961 | Assemble Ladders to TKR Tray Lot A-B | 17 | 27AUG03 | 19SEP03 | BERNIE G |
| 0793 | Assemble TMCMs to TKR Tray Lot 3-4 | 10 | 10SEP03 | 23SEP03 | BERNIE G |
| 0997 | Elec Tests on TKR Tray Lot A&B | 12 | 22SEP03 | 07OCT03 | BERNIE G |
| 0778 | Assemble Ladders to TKR Tray 1-2 | 19 | 22SEP03 | 17OCT03 | BERNIE G |
| 0841 | Assemble TMCMs to TKR Tray Lot 5-6 | 10 | 24SEP03 | 07OCT03 | BERNIE G |
| 0766 | Assemble Ladders to TKR Tray Lot 3-4 | 21 | 24SEP03 | 23OCT03 | BERNIE G |
| 0877 | Assemble TKR SSD Ladders Lot 13-14 | 48 | 30SEP03* | 09DEC03 | BERNIE G |
| 0865 | Assemble TKR SSD Ladders Lot 9-10 | 28 | 03OCT03* | 13NOV03 | BERNIE G |
| 0802 | Assemble TMCMs to TKR Tray Lot 7-8 | 14 | 08OCT03 | 28OCT03 | BERNIE G |
| 0844 | Assemble Ladders to TKR Tray Lot 5-6 | 23 | 08OCT03 | 11NOV03 | BERNIE G |
| 1000 | Ship TKR Tray Lot A&B to INFN | 3 | 15OCT03* | 17OCT03 | BERNIE G |
| 0781 | Elex Testing on TKR Tray Lot 1-2 | 16 | 20OCT03 | 11NOV03 | BERNIE G |
| 0769 | Elex Testing on TKR Tray Lot 3-4 | 38 | 24OCT03 | 18DEC03 | BERNIE G |
| 0805 | Assemble TMCMs to TKR Tray Lot 9-10 | 10 | 29OCT03 | 12NOV03 | BERNIE G |
| 0856 | Assemble Ladders to TKR Tray Lot 7-8 | 30 | 29OCT03 | 11DEC03 | BERNIE G |
| 0847 | Elex Testing on TKR Tray Lot 5-6 | 41 | 12NOV03 | 20JAN04 | BERNIE G |
| 0808 | Assemble TMCMs to TKR Tray Lot 11-12 | 10 | 13NOV03 | 26NOV03 | BERNIE G |
| 0868 | Assemble Ladders to TKR Tray Lot 9-10 | 26 | 14NOV03 | 22DEC03 | BERNIE G |
| 0784 | Ship TKR Tray Lot 1-2 to INFN | 7 | 21NOV03* | 02DEC03 | BERNIE G |
| 0811 | Assemble TMCMs to TKR Tray Lot 13-14 | 10 | 28NOV03 | 11DEC03 | BERNIE G |
| 0829 | Assemble Ladders to TKR Tray Lot 11-12 | 20 | 28NOV03 | 05JAN04 | BERNIE G |
| 0796 | Assemble TKR SSD Ladders Lot 15-16 | 32 | 02DEC03* | 26JAN04 | BERNIE G |
| 0880 | Assemble Ladders to TKR Tray Lot 13-14 | 25 | 12DEC03 | 27JAN04 | BERNIE G |
| 0859 | Elex Testing on TKR Tray Lot 7-8 | 45 | 12DEC03 | 25FEB04 | BERNIE G |
| 0772 | Ship TKR Tray Lot 3-4 to INFN | 6 | 19DEC03 | 06JAN04 | BERNIE G |
| 0871 | Elex Testing on TKR Tray Lot 9-10 | 50 | 23DEC03 | 12MAR04 | BERNIE G |
| 0814 | Assemble TMCMs to TKR Tray Lot 15-16 | 10 | 02JAN04 | 15JAN04 | BERNIE G |
| 0832 | Elex Testing on TKR Tray Lot 11-12 | 55 | 06JAN04 | 24MAR04 | BERNIE G |
| 0850 | Ship TKR Tray Lot 5-6 to INFN | 9 | 21JAN04 | 02FEB04 | BERNIE G |
| 0817 | Assemble Ladders to TKR Tray Lot 15-16 | 25 | 27JAN04 | 02MAR04 | BERNIE G |
| 0883 | Elex Testing on TKR Tray Lot 13-14 | 53 | 28JAN04 | 12APR04 | BERNIE G |
| 0862 | Ship TKR Tray Lot 7-8 to INFN | 8 | 26FEB04 | 08MAR04 | BERNIE G |
| 0820 | Elex Testing on TKR Tray Lot 15-16 | 53 | 03MAR04 | 14MAY04 | BERNIE G |



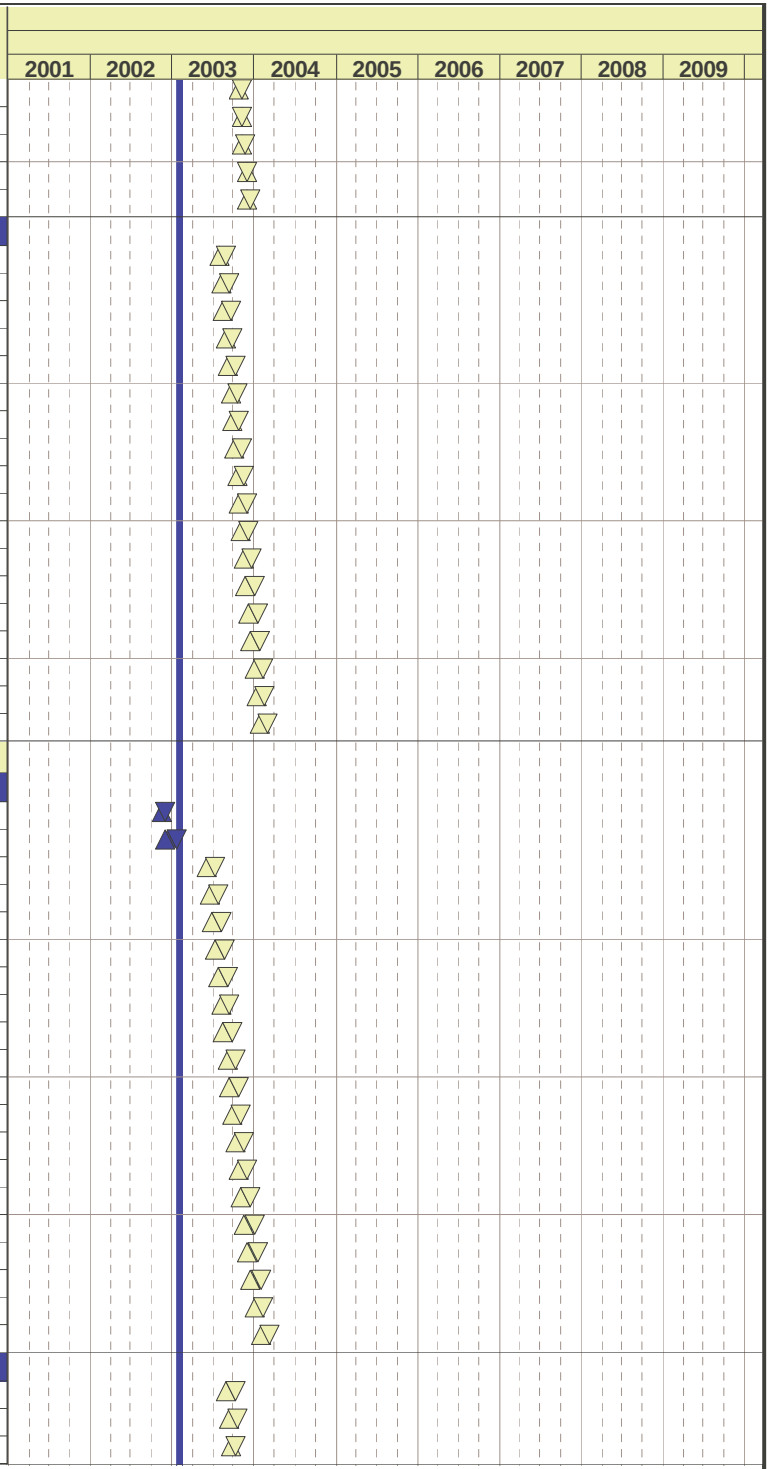
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0874 | Ship TKR Tray Lot 9-10 to INFN | 8 | 15MAR04 | 24MAR04 | BERNIE G |
| 0835 | Ship TKR Tray Lot 11-12 to INFN | 8 | 25MAR04 | 05APR04 | BERNIE G |
| 0886 | Ship TKR Tray Lot 13-14 to INFN | 5 | 13APR04 | 19APR04 | BERNIE G |
| 0823 | Ship TKR Tray Lot 15-16 to INFN | 5 | 17MAY04 | 21MAY04 | BERNIE G |
| **LAT Tracker Tower Assembly** | | | | | |
| **TKR Tower Assembly & Test** | | | | | |
| 1003 | Assemble & Test TKR Qual Towers A & B | 15 | 20OCT03 | 07NOV03 | BERNIE G |
| 0979 | TKR Qual Tower Assembly A & B Complete | 0 | | 07NOV03 | BERNIE G |
| 0889 | Assemble TKR Tower 1-2 & Vibe | 28 | 03DEC03 | 21JAN04 | BERNIE G |
| 0901 | Assemble TKR Towers 3-4 | 18 | 07JAN04 | 02FEB04 | BERNIE G |
| 0892 | Thermal & Final Elec Tests on TKR Tower 1-2 | 27 | 22JAN04 | 01MAR04 | BERNIE G |
| 0904 | Vibe TKR Towers 3-4 | 14 | 03FEB04 | 23FEB04 | BERNIE G |
| 0913 | Assemble TKR Towers 5-6 | 19 | 03FEB04 | 01MAR04 | BERNIE G |
| 0907 | Thermal & Final Elec Tests on TKR Towers 3-4 | 25 | 24FEB04 | 29MAR04 | BERNIE G |
| 0895 | TKR Tower 1-2 Ship to SLAC | 5 | 02MAR04 | 08MAR04 | BERNIE G |
| 0916 | Vibe TKR Towers 5-6 | 15 | 02MAR04 | 22MAR04 | BERNIE G |
| 0872 | Assemble TKR Towers 7-8 | 15 | 09MAR04 | 29MAR04 | BERNIE G |
| 0919 | Thermal & Final Elec Tests on TKR Towers 5-6 | 25 | 23MAR04 | 26APR04 | BERNIE G |
| 0970 | Assemble TKR Towers 9-10 | 15 | 25MAR04 | 14APR04 | BERNIE G |
| 0910 | Ship TKR Towers 3-4 to SLAC | 5 | 30MAR04 | 05APR04 | BERNIE G |
| 0925 | Vibe TKR Towers 7-8 | 15 | 30MAR04 | 19APR04 | BERNIE G |
| 0845 | Assemble TKR Towers 11-12 | 15 | 06APR04 | 26APR04 | BERNIE G |
| 0934 | Vibe TKR Towers 9-10 | 10 | 20APR04 | 03MAY04 | BERNIE G |
| 0973 | Assemble TKR Towers 13-14 | 15 | 20APR04 | 10MAY04 | BERNIE G |
| 0928 | Thermal & Final Elec Tests on TKR Towers 7-8 | 25 | 20APR04 | 24MAY04 | BERNIE G |
| 0922 | Ship TKR Towers 5-6 to SLAC | 5 | 27APR04 | 03MAY04 | BERNIE G |
| 0943 | Vibe TKR Towers 11-12 | 10 | 04MAY04 | 17MAY04 | BERNIE G |
| 0937 | Thermal & Final Elec Tests on TKR Towers 9-10 | 25 | 04MAY04 | 08JUN04 | BERNIE G |
| 0952 | Vibe TKR Towers 13-14 | 10 | 18MAY04 | 01JUN04 | BERNIE G |
| 0946 | Thermal & Final Elec Tests on TKR Towers 11-12 | 25 | 18MAY04 | 22JUN04 | BERNIE G |
| 0898 | Assemble TKR Towers 15-16 | 15 | 24MAY04 | 14JUN04 | BERNIE G |
| 0931 | Ship TKR Towers 7-8 to SLAC | 5 | 25MAY04 | 01JUN04 | BERNIE G |
| 0955 | Thermal & Final Elec Tests on TKR Towers 13-14 | 30 | 02JUN04 | 14JUL04 | BERNIE G |
| 0940 | Ship TKR Towers 9-10 to SLAC | 4 | 09JUN04 | 14JUN04 | BERNIE G |
| 0964 | Vibe TKR Towers 15-16 | 15 | 15JUN04 | 06JUL04 | BERNIE G |
| 0949 | Ship TKR Towers 11-12 to SLAC | 4 | 23JUN04 | 28JUN04 | BERNIE G |
| 1051 | Thermal/Final Elec Tests on TKR Towers 15-16 | 30 | 07JUL04 | 17AUG04 | BERNIE G |
| 0958 | Ship TKR Towers 13-14 to SLAC | 5 | 15JUL04 | 21JUL04 | BERNIE G |
| 0967 | Ship TKR Towers 15-16 to SLAC | 5 | 18AUG04 | 24AUG04 | BERNIE G |
| **LAT Tracker Tower Test & Calibration** | | | | | |
| **TKR EM Tower Testing (SLAC)** | | | | | |
| 0976 | TKR EM Tower Testing & TKR CDR Preps @ SLAC | 95* | 13JAN03A | 28MAY03 | BERNIE G |
| **TKR Qualification Tower Testing (SLAC)** | | | | | |
| 0982 | TKR Qual Tower A&B Testing @ SLAC | 47 | 11NOV03 | 27JAN04 | BERNIE G |
| 0985 | TKR Qual Towers A&B RFI | 0 | | 27JAN04 | BERNIE G |
| **LAT Calorimeter** | | | | | |
| **LAT Calorimeter Top-Level Development/Milestones** | | | | | |
| **LAT Calorimeter Top-Level Development/Milestones** | | | | | |
| 0040 | Calorimeter Detailed Design | 148* | 02AUG02A | 14MAR03 | BERNIE G |
| 2545 | Cal PEM Structure Fab & Test (FM1-16) - SUMM | 317* | 20NOV02A | 11MAR04 | BERNIE G |



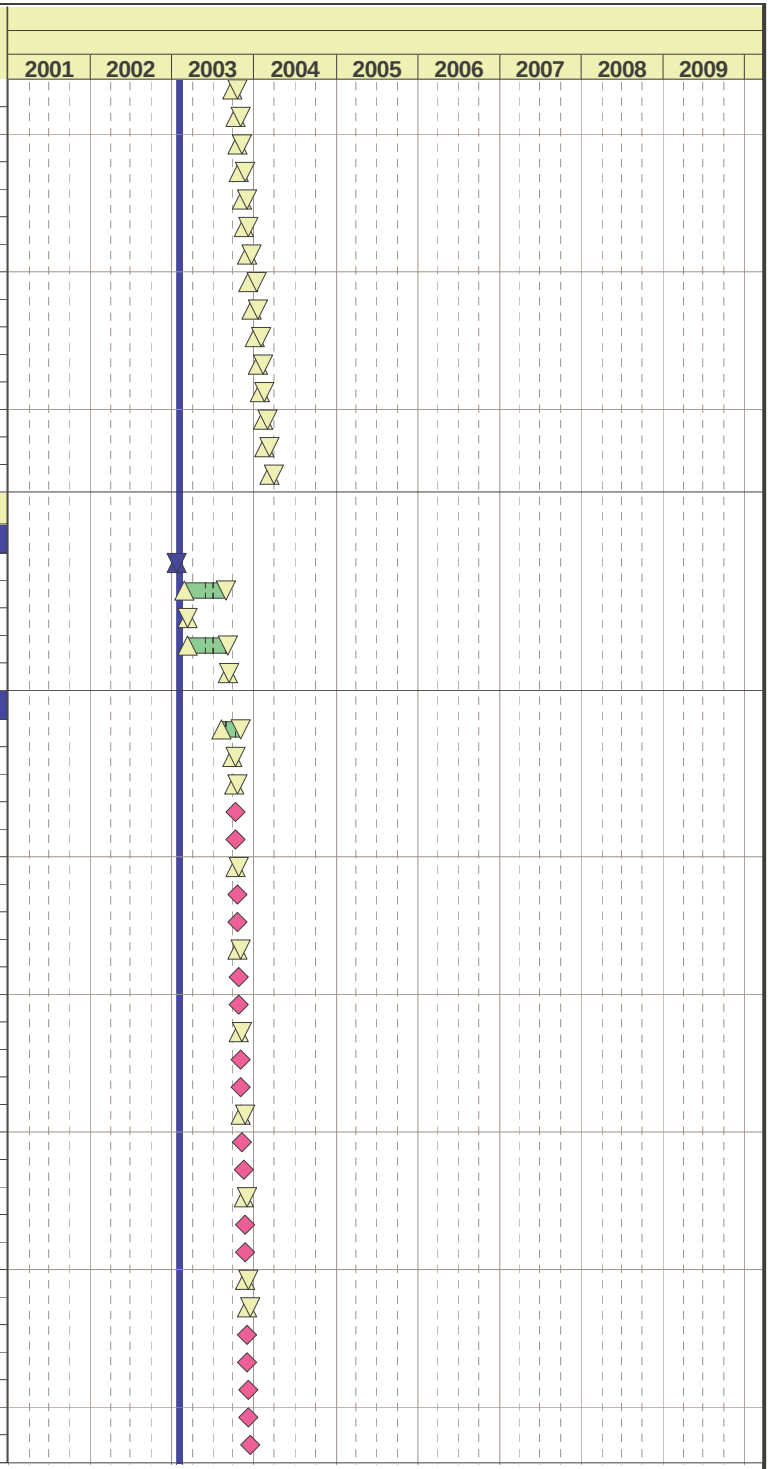
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 2536 | Cal CDE (FMA-16) Acct Test/Ship to France-SUMM | 184* | 03MAR03 | 20NOV03 | BERNIE G |
| 0154 | Calorimeter CDR | 1 | 17MAR03 | 17MAR03 | BERNIE G |
| 2539 | Cal CDE Dual Pin Diode (FM1-16) Dev-SUMM | 221* | 05JUN03 | 28APR04 | BERNIE G |
| 2542 | Cal CDE Integration & Test (FM1-16)-SUMM | 141* | 30JUL03 | 01MAR04 | BERNIE G |
| 2548 | Cal PEM Assy & Test (FM1-16) - SUMM | 141* | 02SEP03 | 01APR04 | BERNIE G |
| 2551 | Cal Analog Front End Elex Dev (FM1-16) - SUMM | 52* | 29SEP03 | 12DEC03 | BERNIE G |
| 2557 | Cal Mods Assy & Test (FM1-16) - SUMM | 190* | 14OCT03 | 22JUL04 | BERNIE G |
| **CsI Detector Elements (CDE)** | | | | | |
| **CDE CsI Crystals** | | | | | |
| 4000 | Cal FMA CsI Acceptance Test & Ship to France | 15 | 03MAR03* | 21MAR03 | BERNIE G |
| 4003 | Cal FMB CsI Acceptance Test & Ship to France | 15 | 17MAR03* | 04APR03 | BERNIE G |
| 4006 | Cal FM1 CsI Acceptance Test & Ship to France | 15 | 31MAR03* | 18APR03 | BERNIE G |
| 4009 | Cal FM2 CsI Acceptance Test & Ship to France | 15 | 14APR03* | 02MAY03 | BERNIE G |
| 4012 | Cal FM3 CsI Acceptance Test & Ship to France | 15 | 28APR03* | 16MAY03 | BERNIE G |
| 4015 | Cal FM4 CsI Acceptance Test & Ship to France | 15 | 12MAY03* | 02JUN03 | BERNIE G |
| 4018 | Cal FM5 CsI Acceptance Test & Ship to France | 15 | 27MAY03* | 16JUN03 | BERNIE G |
| 4021 | Cal FM6 CsI Acceptance Test & Ship to France | 15 | 10JUN03* | 30JUN03 | BERNIE G |
| 4024 | Cal FM7 CsI Acceptance Test & Ship to France | 15 | 24JUN03* | 15JUL03 | BERNIE G |
| 4027 | Cal FM8 CsI Acceptance Test & Ship to France | 15 | 09JUL03* | 29JUL03 | BERNIE G |
| 4030 | Cal FM9 CsI Acceptance Test & Ship to France | 15 | 23JUL03* | 12AUG03 | BERNIE G |
| 4033 | Cal FM10 CsI Acceptance Test & Ship to France | 15 | 06AUG03* | 26AUG03 | BERNIE G |
| 4036 | Cal FM11 CsI Acceptance Test & Ship to France | 15 | 20AUG03* | 10SEP03 | BERNIE G |
| 4039 | Cal FM12 CsI Acceptance Test & Ship to France | 15 | 04SEP03* | 24SEP03 | BERNIE G |
| 4042 | Cal FM13 CsI Acceptance Test & Ship to France | 15 | 18SEP03* | 08OCT03 | BERNIE G |
| 4045 | Cal FM14 CsI Acceptance Test & Ship to France | 15 | 02OCT03* | 23OCT03 | BERNIE G |
| 4048 | Cal FM15 CsI Acceptance Test & Ship to France | 15 | 16OCT03* | 05NOV03 | BERNIE G |
| 4051 | Cal FM16 CsI Acceptance Test & Ship to France | 15 | 30OCT03* | 20NOV03 | BERNIE G |
| **CDE Dual Pin Diode** | | | | | |
| 1024 | PIN Diode Manufacturing | 286 | 05MAR03* | 28APR04 | BERNIE G |
| 1027 | Rec 1st 600 Diodes | 1 | 05JUN03* | 05JUN03 | BERNIE G |
| 4054 | Cal FMA DPD Testing & Ready for CDE Assy | 9 | 06JUN03 | 18JUN03 | BERNIE G |
| 4057 | Cal FMB DPD Testing & Ready for CDE Assy | 11 | 17JUN03* | 01JUL03 | BERNIE G |
| 4060 | Cal FM1 DPD Testing & Ready for CDE Assy | 11 | 24JUN03* | 09JUL03 | BERNIE G |
| 1057 | Rec 2nd 600 Diodes | 1 | 11JUL03 | 11JUL03 | BERNIE G |
| 4063 | Cal FM2 DPD Testing & Ready for CDE Assy | 11 | 14JUL03 | 28JUL03 | BERNIE G |
| 4066 | Cal FM3 DPD Testing & Ready for CDE Assy | 11 | 21JUL03* | 04AUG03 | BERNIE G |
| 4069 | Cal FM4 DPD Testing & Ready for CDE Assy | 11 | 28JUL03* | 11AUG03 | BERNIE G |
| 1060 | Rec 3rd 600 Diodes | 1 | 15AUG03 | 15AUG03 | BERNIE G |
| 4072 | Cal FM5 DPD Testing & Ready for CDE Assy | 11 | 18AUG03 | 02SEP03 | BERNIE G |
| 4075 | Cal FM6 DPD Testing & Ready for CDE Assy | 11 | 25AUG03* | 09SEP03 | BERNIE G |
| 4078 | Cal FM7 DPD Testing & Ready for CDE Assy | 11 | 02SEP03* | 16SEP03 | BERNIE G |
| 1063 | Rec 4th 600 Diodes | 1 | 08SEP03 | 08SEP03 | BERNIE G |
| 4081 | Cal FM8 DPD Testing & Ready for CDE Assy | 11 | 09SEP03 | 23SEP03 | BERNIE G |
| 4084 | Cal FM9 DPD Testing & Ready for CDE Assy | 10 | 16SEP03* | 29SEP03 | BERNIE G |
| 1066 | Rec 5th 600 Diodes | 1 | 29SEP03 | 29SEP03 | BERNIE G |
| 4087 | Cal FM10 DPD Testing & Ready for CDE Assy | 10 | 30SEP03 | 14OCT03 | BERNIE G |
| 4090 | Cal FM11 DPD Testing & Ready for CDE Assy | 10 | 07OCT03* | 21OCT03 | BERNIE G |
| 4093 | Cal FM12 DPD Testing & Ready for CDE Assy | 10 | 14OCT03* | 27OCT03 | BERNIE G |
| 1069 | Rec 6th 600 Diodes | 1 | 20OCT03 | 20OCT03 | BERNIE G |
| 4096 | Cal FM13 DPD Testing & Ready for CDE Assy | 11 | 21OCT03 | 04NOV03 | BERNIE G |



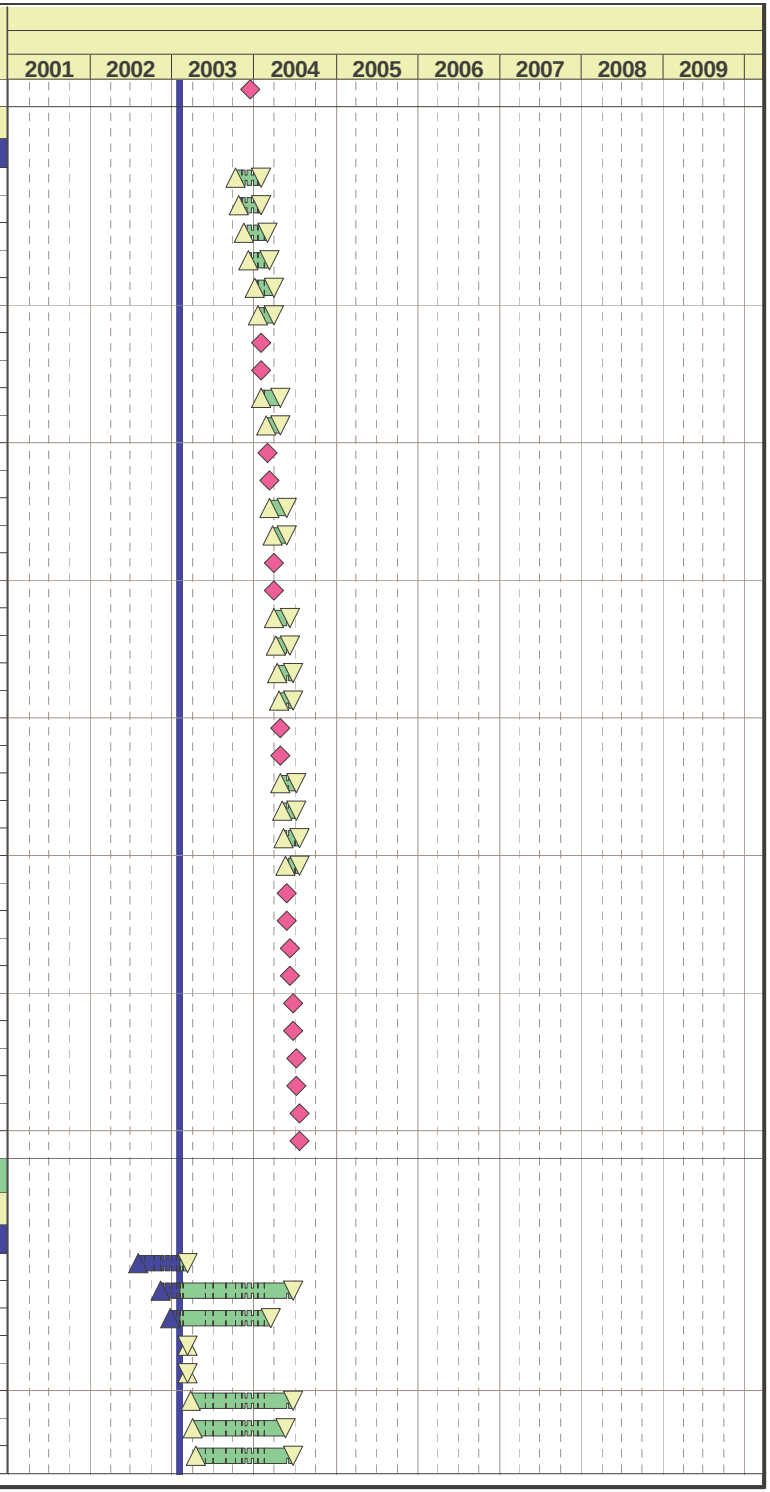
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 4099 | Cal FM14 DPD Testing & Ready for CDE Assy | 10 | 28OCT03* | 11NOV03 | BERNIE G |
| 1072 | Rec 7th 600 Diodes | 1 | 07NOV03 | 07NOV03 | BERNIE G |
| 4102 | Cal FM15 DPD Testing & Ready for CDE Assy | 11 | 11NOV03 | 25NOV03 | BERNIE G |
| 1075 | Rec 8th 600 Diodes | 1 | 03DEC03 | 03DEC03 | BERNIE G |
| 4105 | Cal FM16 DPD Testing & Ready for CDE Assy | 11 | 04DEC03 | 18DEC03 | BERNIE G |
| **CDE Integration & Test** | | | | | |
| 4108 | Cal FMA CDE Assy & Deliver to NRL | 23 | 30JUL03* | 29AUG03 | BERNIE G |
| 4111 | Cal FMB CDE Assy & Deliver to NRL | 23 | 08AUG03* | 10SEP03 | BERNIE G |
| 4114 | Cal FM1 CDE Assy & Deliver to NRL | 23 | 19AUG03* | 19SEP03 | BERNIE G |
| 4117 | Cal FM2 CDE Assy & Deliver to NRL | 22 | 28AUG03* | 29SEP03 | BERNIE G |
| 4120 | Cal FM3 CDE Assy & Deliver to NRL | 23 | 09SEP03* | 09OCT03 | BERNIE G |
| 4123 | Cal FM4 CDE Assy & Deliver to NRL | 22 | 18SEP03* | 20OCT03 | BERNIE G |
| 4126 | Cal FM5 CDE Assy & Deliver to NRL | 22 | 29SEP03* | 29OCT03 | BERNIE G |
| 4129 | Cal FM6 CDE Assy & Deliver to NRL | 22 | 08OCT03* | 07NOV03 | BERNIE G |
| 4132 | Cal FM7 CDE Assy & Deliver to NRL | 22 | 17OCT03* | 18NOV03 | BERNIE G |
| 4135 | Cal FM8 CDE Assy & Deliver to NRL | 23 | 28OCT03* | 01DEC03 | BERNIE G |
| 4138 | Cal FM9 CDE Assy & Deliver to NRL | 23 | 06NOV03* | 10DEC03 | BERNIE G |
| 4141 | Cal FM10 CDE Assy & Deliver to NRL | 24 | 17NOV03* | 19DEC03 | BERNIE G |
| 4144 | Cal FM11 CDE Assy & Deliver to NRL | 24 | 26NOV03* | 08JAN04 | BERNIE G |
| 4147 | Cal FM12 CDE Assy & Deliver to NRL | 23 | 09DEC03* | 20JAN04 | BERNIE G |
| 4150 | Cal FM13 CDE Assy & Deliver to NRL | 23 | 18DEC03* | 29JAN04 | BERNIE G |
| 4153 | Cal FM14 CDE Assy & Deliver to NRL | 23 | 07JAN04* | 09FEB04 | BERNIE G |
| 4156 | Cal FM15 CDE Assy & Deliver to NRL | 23 | 16JAN04* | 19FEB04 | BERNIE G |
| 4159 | Cal FM16 CDE Assy & Deliver to NRL | 23 | 28JAN04* | 01MAR04 | BERNIE G |
| **Pre-Electronics Module (PEM)** | | | | | |
| **PEM Structure Fab & Test** | | | | | |
| 1549 | Pack & Ship EM Structure to NRL | 5 | 20NOV02A | 29NOV02A | BERNIE G |
| 1555 | Build PEM Structure Tooling | 122 | 29NOV02A | 21JAN03A | BERNIE G |
| 4216 | FMA Structure FAT & Ship to NRL | 28 | 03JUN03* | 11JUL03 | BERNIE G |
| 4219 | FMB Structure FAT & Ship to NRL | 28 | 17JUN03 | 25JUL03 | BERNIE G |
| 4222 | FM1 Structure FAT & Ship to NRL | 28 | 27JUN03* | 06AUG03 | BERNIE G |
| 4225 | FM2 Structure FAT & Ship to NRL | 28 | 14JUL03* | 20AUG03 | BERNIE G |
| 4228 | FM3 Structure FAT & Ship to NRL | 28 | 24JUL03* | 02SEP03 | BERNIE G |
| 4231 | FM4 Structure FAT & Ship to NRL | 28 | 07AUG03* | 16SEP03 | BERNIE G |
| 4234 | FM5 Structure FAT & Ship to NRL | 28 | 19AUG03* | 26SEP03 | BERNIE G |
| 4237 | FM6 Structure FAT & Ship to NRL | 28 | 03SEP03* | 10OCT03 | BERNIE G |
| 4240 | FM7 Structure FAT & Ship to NRL | 27 | 15SEP03* | 22OCT03 | BERNIE G |
| 4243 | FM8 Structure FAT & Ship to NRL | 27 | 29SEP03* | 05NOV03 | BERNIE G |
| 4246 | FM9 Structure FAT & Ship to NRL | 26 | 09OCT03* | 17NOV03 | BERNIE G |
| 4249 | FM10 Structure FAT & Ship to NRL | 28 | 23OCT03* | 03DEC03 | BERNIE G |
| 4252 | FM11 Structure FAT & Ship to NRL | 28 | 04NOV03* | 15DEC03 | BERNIE G |
| 4255 | FM12 Structure FAT & Ship to NRL | 29 | 18NOV03* | 07JAN04 | BERNIE G |
| 4258 | FM13 Structure FAT & Ship to NRL | 28 | 02DEC03* | 20JAN04 | BERNIE G |
| 4261 | FM14 Structure FAT & Ship to NRL | 28 | 16DEC03* | 03FEB04 | BERNIE G |
| 4264 | FM15 Structure FAT & Ship to NRL | 28 | 06JAN04* | 13FEB04 | BERNIE G |
| 4267 | FM16 Structure FAT & Ship to NRL | 28 | 02FEB04* | 11MAR04 | BERNIE G |
| **PEM Assembly & Test** | | | | | |
| 4162 | Cal PEM FMA Assy & Ready for Cal Mod I&T | 27 | 02SEP03 | 08OCT03 | BERNIE G |
| 4165 | Cal PEM FMB Assy & Ready for Cal Mod I&T | 26 | 11SEP03 | 17OCT03 | BERNIE G |
| 4168 | Cal PEM FM1 Assy & Ready for Cal Mod I&T | 16 | 22SEP03 | 14OCT03 | BERNIE G |



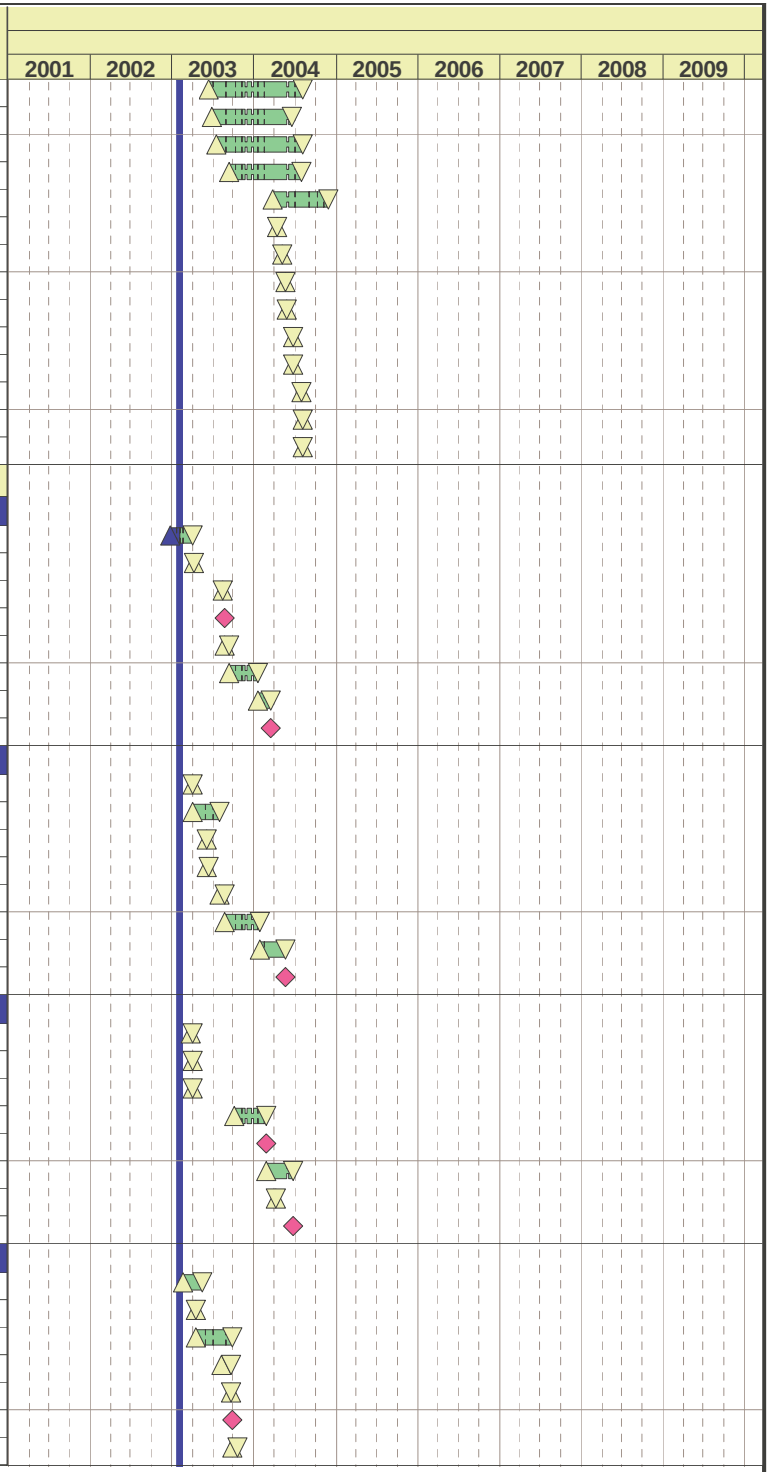
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 4171 | Cal PEM FM2 Assy & Ready for Cal Mod I&T | 15 | 30SEP03 | 21OCT03 | BERNIE G |
| 4174 | Cal PEM FM3 Assy & Ready for Cal Mod I&T | 15 | 10OCT03 | 31OCT03 | BERNIE G |
| 4177 | Cal PEM FM4 Assy & Ready for Cal Mod I&T | 15 | 21OCT03 | 11NOV03 | BERNIE G |
| 4180 | Cal PEM FM5 Assy & Ready for Cal Mod I&T | 15 | 30OCT03 | 20NOV03 | BERNIE G |
| 4183 | Cal PEM FM6 Assy & Ready for Cal Mod I&T | 15 | 11NOV03 | 02DEC03 | BERNIE G |
| 4186 | Cal PEM FM7 Assy & Ready for Cal Mod I&T | 15 | 19NOV03 | 10DEC03 | BERNIE G |
| 4189 | Cal PEM FM8 Assy & Ready for Cal Mod I&T | 15 | 02DEC03 | 22DEC03 | BERNIE G |
| 4192 | Cal PEM FM9 Assy & Ready for Cal Mod I&T | 15 | 11DEC03 | 09JAN04 | BERNIE G |
| 4195 | Cal PEM FM10 Assy & Ready for Cal Mod I&T | 15 | 22DEC03 | 21JAN04 | BERNIE G |
| 4198 | Cal PEM FM11 Assy & Ready for Cal Mod I&T | 15 | 09JAN04 | 30JAN04 | BERNIE G |
| 4201 | Cal PEM FM12 Assy & Ready for Cal Mod I&T | 15 | 21JAN04 | 10FEB04 | BERNIE G |
| 4204 | Cal PEM FM13 Assy & Ready for Cal Mod I&T | 15 | 30JAN04 | 20FEB04 | BERNIE G |
| 4207 | Cal PEM FM14 Assy & Ready for Cal Mod I&T | 15 | 10FEB04 | 02MAR04 | BERNIE G |
| 4210 | Cal PEM FM15 Assy & Ready for Cal Mod I&T | 15 | 20FEB04 | 11MAR04 | BERNIE G |
| 4213 | Cal PEM FM16 Assy & Ready for Cal Mod I&T | 15 | 12MAR04 | 01APR04 | BERNIE G |
| **Analog Front End Electronics (AFEE)** | | | | | |
| **Analog FEE ASIC Development** | | | | | |
| 1180 | GCFE Ready for Flight Production (ASIC) | 1 | 22JAN03A | 22JAN03A | BERNIE G |
| 4273 | Flight GCFE Build & Test | 131 | 26FEB03* | 29AUG03 | BERNIE G |
| 1183 | GCRC Ready for Flight Production (ASIC) | 1 | 12MAR03* | 12MAR03 | BERNIE G |
| 4270 | Flight GCRC Build & Test | 124 | 13MAR03 | 05SEP03 | BERNIE G |
| 4276 | NASA Evaluation of Test Results | 5 | 08SEP03 | 12SEP03 | BERNIE G |
| **Analog Flight FEE Development** | | | | | |
| 4279 | Flight AFEE Board Assy & Test | 58 | 11AUG03* | 31OCT03 | BERNIE G |
| 4282 | AFEE FMA & FMB Testing | 10 | 29SEP03* | 10OCT03 | BERNIE G |
| 4291 | AFEE FM1 & FM2 Testing | 9 | 06OCT03* | 17OCT03 | BERNIE G |
| 4285 | AFEE FMA Ready for Cal Mod I&T | 0 | | 10OCT03 | BERNIE G |
| 4288 | AFEE FMB Ready for Cal Mod I&T | 0 | | 10OCT03 | BERNIE G |
| 4300 | AFEE FM3 & FM4 Testing | 10 | 14OCT03* | 27OCT03 | BERNIE G |
| 4294 | AFEE FM1 Ready for Cal Mod I&T | 0 | | 17OCT03 | BERNIE G |
| 4297 | AFEE FM2 Ready for Cal Mod I&T | 0 | | 17OCT03 | BERNIE G |
| 4309 | AFEE FM5 & FM6 Testing | 10 | 21OCT03* | 03NOV03 | BERNIE G |
| 4303 | AFEE FM3 Ready for Cal Mod I&T | 0 | | 27OCT03 | BERNIE G |
| 4306 | AFEE FM4 Ready for Cal Mod I&T | 0 | | 27OCT03 | BERNIE G |
| 4318 | AFEE FM7 & FM8 Testing | 10 | 29OCT03* | 12NOV03 | BERNIE G |
| 4312 | AFEE FM5 Ready for Cal Mod I&T | 0 | | 03NOV03 | BERNIE G |
| 4315 | AFEE FM6 Ready for Cal Mod I&T | 0 | | 04NOV03 | BERNIE G |
| 4327 | AFEE FM9 & FM10 Testing | 10 | 06NOV03* | 20NOV03 | BERNIE G |
| 4321 | AFEE FM7 Ready for Cal Mod I&T | 0 | | 12NOV03 | BERNIE G |
| 4324 | AFEE FM8 Ready for Cal Mod I&T | 0 | | 13NOV03 | BERNIE G |
| 4336 | AFEE FM11 & FM12 Testing | 11 | 14NOV03* | 01DEC03 | BERNIE G |
| 4330 | AFEE FM 9 Ready for Cal Mod I&T | 0 | | 20NOV03 | BERNIE G |
| 4333 | AFEE FM10 Ready for Cal Mod I&T | 0 | | 21NOV03 | BERNIE G |
| 4345 | AFEE FM13 & FM14 Testing | 11 | 21NOV03* | 08DEC03 | BERNIE G |
| 4354 | AFEE FM15 & FM16 Testing | 11 | 28NOV03* | 12DEC03 | BERNIE G |
| 4339 | AFEE FM11 Ready for Cal Mod I&T | 0 | | 01DEC03 | BERNIE G |
| 4342 | AFEE FM12 Ready for Cal Mod I&T | 0 | | 02DEC03 | BERNIE G |
| 4348 | AFEE FM13 Ready for Cal Mod I&T | 0 | | 08DEC03 | BERNIE G |
| 4351 | AFEE FM14 Ready for Cal Mod I&T | 0 | | 09DEC03 | BERNIE G |
| 4357 | AFEE FM15 Ready for Cal Mod I&T | 0 | | 12DEC03 | BERNIE G |



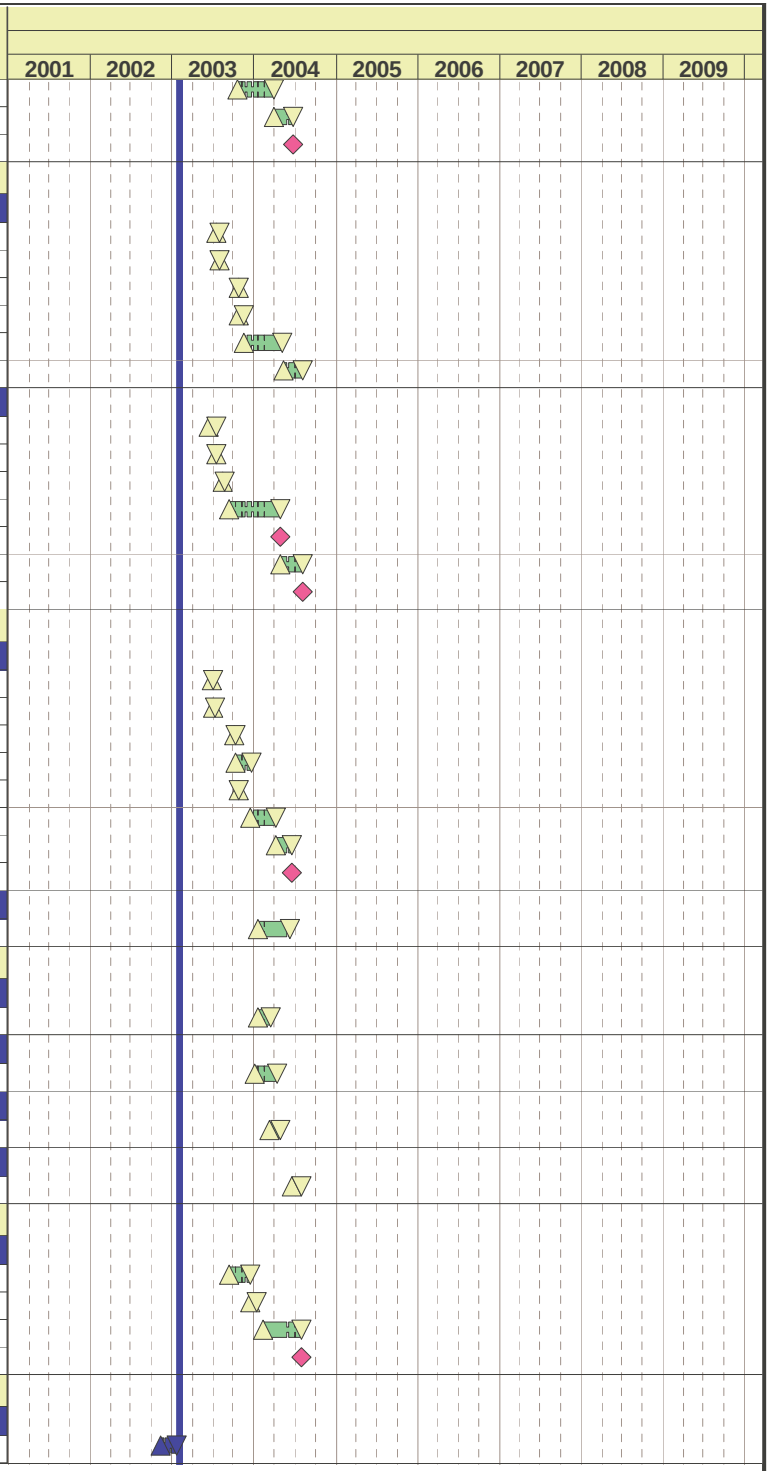
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 4360 | AFEE FM16 Ready for Cal Mod I&T | 0 | | 12DEC03 | BERNIE G |
| **Calorimeter Module Assembly, Test & Calibrations** | | | | | |
| **FLT Calorimeter Models Assy, Test & Calibrations** | | | | | |
| 4363 | Cal Mod FMA Assy & Test | 72 | 14OCT03 | 04FEB04 | BERNIE G |
| 4369 | Cal Mod FMB Assy & Test | 61 | 29OCT03* | 04FEB04 | BERNIE G |
| 4375 | Cal Mod FM1 Assy & Test | 70 | 17NOV03* | 05MAR04 | BERNIE G |
| 4381 | Cal Mod FM2 Assy & Test | 57 | 08DEC03* | 08MAR04 | BERNIE G |
| 4387 | Cal Mod FM3 Assy & Test | 60 | 05JAN04* | 30MAR04 | BERNIE G |
| 4393 | Cal Mod FM4 Assy & Test | 49 | 21JAN04* | 30MAR04 | BERNIE G |
| 4366 | Cal Mod FMA RFI | 0 | | 04FEB04 | BERNIE G |
| 4372 | Cal Mod FMB RFI | 0 | | 04FEB04 | BERNIE G |
| 4399 | Cal Mod FM5 Assy & Test | 59 | 05FEB04* | 28APR04 | BERNIE G |
| 4405 | Cal Mod FM6 Assy & Test | 48 | 23FEB04* | 28APR04 | BERNIE G |
| 4378 | Cal Mod FM1 RFI | 0 | | 05MAR04 | BERNIE G |
| 4384 | Cal Mod FM2 RFI | 0 | | 08MAR04 | BERNIE G |
| 4411 | Cal Mod FM7 Assy & Test | 56 | 09MAR04* | 25MAY04 | BERNIE G |
| 4417 | Cal Mod FM8 Assy & Test | 45 | 24MAR04* | 25MAY04 | BERNIE G |
| 4390 | Cal Mod FM3 RFI | 0 | | 30MAR04 | BERNIE G |
| 4396 | Cal Mod FM4 RFI | 0 | | 30MAR04 | BERNIE G |
| 4423 | Cal Mod FM9 Assy & Test | 50 | 31MAR04* | 09JUN04 | BERNIE G |
| 4429 | Cal Mod FM10 Assy & Test | 45 | 07APR04* | 09JUN04 | BERNIE G |
| 4435 | Cal Mod FM11 Assy & Test | 50 | 14APR04* | 23JUN04 | BERNIE G |
| 4441 | Cal Mod FM12 Assy & Test | 44 | 21APR04* | 22JUN04 | BERNIE G |
| 4402 | Cal Mod FM5 RFI | 0 | | 28APR04 | BERNIE G |
| 4408 | Cal Mod FM6 RFI | 0 | | 28APR04 | BERNIE G |
| 4447 | Cal Mod FM13 Assy & Test | 49 | 28APR04* | 07JUL04 | BERNIE G |
| 4453 | Cal Mod FM14 Assy & Test | 44 | 05MAY04* | 07JUL04 | BERNIE G |
| 4459 | Cal Mod FM15 Assy & Test | 50 | 12MAY04* | 22JUL04 | BERNIE G |
| 4465 | Cal Mod FM16 Assy & Test | 45 | 19MAY04* | 22JUL04 | BERNIE G |
| 4414 | Cal Mod FM7 RFI | 0 | | 25MAY04 | BERNIE G |
| 4420 | Cal Mod FM8 RFI | 0 | | 25MAY04 | BERNIE G |
| 4426 | Cal Mod FM9 RFI | 0 | | 09JUN04 | BERNIE G |
| 4432 | Cal Mod FM10 RFI | 0 | | 09JUN04 | BERNIE G |
| 4444 | Cal Mod FM12 RFI | 0 | | 22JUN04 | BERNIE G |
| 4438 | Cal Mod FM11 RFI | 0 | | 23JUN04 | BERNIE G |
| 4450 | Cal Mod FM13 RFI | 0 | | 07JUL04 | BERNIE G |
| 4456 | Cal Mod FM14 RFI | 0 | | 07JUL04 | BERNIE G |
| 4462 | Cal Mod FM15 RFI | 0 | | 22JUL04 | BERNIE G |
| 4468 | Cal Mod FM16 RFI | 0 | | 22JUL04 | BERNIE G |
| **LAT Electronics** | | | | | |
| **LAT Electronics Top-Level Development/Milestones** | | | | | |
| **LAT Electronics Top-Level Development/Milestones** | | | | | |
| 0055 | Electronics Detailed Design | 145* | 02AUG02A | 11MAR03 | BERNIE G |
| 0500 | LAT Flight Software - SUMM | 397* | 12NOV02A | 24JUN04 | BERNIE G |
| 0086 | LAT TKR/CAL TEM Electronics - SUMM | 302* | 20DEC02A | 19MAR04 | BERNIE G |
| 0075 | E&DAQ CDR | 1 | 12MAR03 | 12MAR03 | BERNIE G |
| 0105 | Flight Software CDR | 1 | 12MAR03 | 12MAR03 | BERNIE G |
| 0224 | LAT Data CPUs (and I/O Card) - SUMM | 307* | 27MAR03 | 21JUN04 | BERNIE G |
| 0221 | LAT ACD/TEM Electronics - SUMM | 281* | 01APR03 | 18MAY04 | BERNIE G |
| 0269 | LAT Global Trigger (GLT) Electronics - SUMM | 294* | 16APR03 | 22JUN04 | BERNIE G |



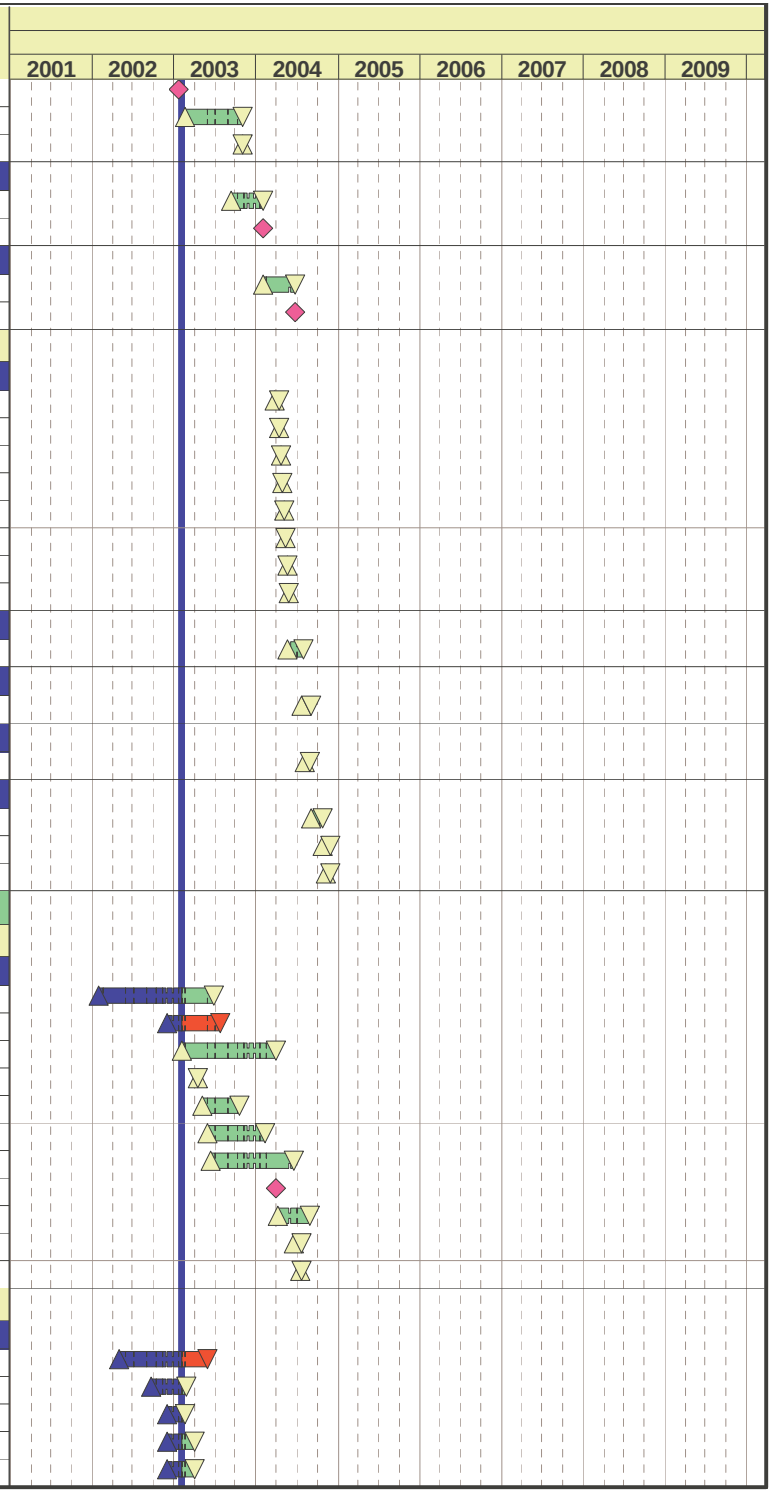
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0449 | LAT Event Builder - SUMM | 285* | 16JUN03 | 09AUG04 | BERNIE G |
| 0452 | LAT Power Switching Card (PSC) - SUMM | 240* | 27JUN03 | 17JUN04 | BERNIE G |
| 0284 | LAT Spacecraft I/F Communications Card - SUMM | 260* | 17JUL03 | 04AUG04 | BERNIE G |
| 0473 | LAT Cable Harness - SUMM | 215* | 17SEP03 | 02AUG04 | BERNIE G |
| 0515 | LAT Electronics Instrument Integ & Test - SUMM | 175* | 22MAR04 | 29NOV04 | BERNIE G |
| 0047 | Flight TKR/CAL TEM Assy 3 & 4 RFI | 1 | 16APR04 | 16APR04 | BERNIE G |
| 0065 | Flight Unit EGSE RFI | 1 | 05MAY04* | 05MAY04 | BERNIE G |
| 0080 | Flight ACD/TEM Elec Mods 1,2 RFI | 1 | 18MAY04 | 18MAY04 | BERNIE G |
| 0050 | Flight TKR/CAL TEM Assy 15 & 16 RFI | 1 | 28MAY04 | 28MAY04 | BERNIE G |
| 0071 | Flight ICM/Global Trigger Elex (GLT) RFI | 1 | 22JUN04 | 22JUN04 | BERNIE G |
| 0059 | Flight Software Flight Model RFI | 1 | 24JUN04 | 24JUN04 | BERNIE G |
| 0083 | Flight Cable Harness RFI | 1 | 02AUG04 | 02AUG04 | BERNIE G |
| 0074 | Flight S/C I/F Unit (SIU) RFI | 1 | 04AUG04 | 04AUG04 | BERNIE G |
| 0077 | Event Builder FU's RFI | 1 | 09AUG04 | 09AUG04 | BERNIE G |
| **LAT Dataflow Electronics (TEMs + Processor Farm)** | | | | | |
| **LAT TKR/CAL TEM Electronics** | | | | | |
| 0165 | TKR/CAL TEM FU Parts - Review | 67* | 20DEC02A | 04APR03 | BERNIE G |
| 0225 | TKR/CAL TEM QU - Procure Parts | 1 | 07APR03 | 07APR03 | BERNIE G |
| 0345 | TKR/CAL TEM FU - Procure Parts | 1 | 13AUG03* | 13AUG03 | BERNIE G |
| 0135 | TKR/CAL TEM EM2 Complete - Review | 0 | | 25AUG03* | BERNIE G |
| 0195 | TKR/CAL TEM QU - Design | 15 | 26AUG03 | 16SEP03 | BERNIE G |
| 0255 | TKR/CAL TEM QU Fab, Assy & Test | 80 | 17SEP03 | 21JAN04 | BERNIE G |
| 0375 | TKR/CAL TEM FUs Fab, Assy & Test | 41 | 22JAN04 | 19MAR04 | BERNIE G |
| 0875 | TKR/CAL TEM FUs Available | 0 | | 19MAR04 | BERNIE G |
| **LAT ACD/TEM Electronics** | | | | | |
| 0405 | ACD/TEM EM2 - Review Design | 1 | 01APR03* | 01APR03 | BERNIE G |
| 0435 | ACD/TEM EM2 Fab, Assy & Test | 86 | 02APR03 | 01AUG03 | BERNIE G |
| 0665 | ACD/TEM QU - Parts Review | 2 | 05JUN03* | 06JUN03 | BERNIE G |
| 0725 | ACD/TEM FU - Procure Parts | 1 | 09JUN03 | 09JUN03 | BERNIE G |
| 0695 | ACD/TEM QU Design | 15 | 04AUG03 | 22AUG03 | BERNIE G |
| 0755 | ACD/TEM QU Fab, Assy & Test | 100 | 25AUG03 | 27JAN04 | BERNIE G |
| 0785 | ACD/TEM FU Fab, Assy & Test | 79 | 28JAN04 | 18MAY04 | BERNIE G |
| 0905 | ACD/TEM FU 1,2 Available | 0 | | 18MAY04 | BERNIE G |
| **LAT Data CPUs (And I/O Card)** | | | | | |
| 0915 | Data CPU QU - Parts Review | 5 | 27MAR03* | 02APR03 | BERNIE G |
| 0935 | Data CPU FU - Procure Parts | 1 | 03APR03 | 03APR03 | BERNIE G |
| 0945 | Data CPU FU - Additional CPU | 1 | 03APR03 | 03APR03 | BERNIE G |
| 0965 | Data CPU QU Fab, Assy & Test | 94 | 02OCT03* | 26FEB04 | BERNIE G |
| 0975 | Deliver Data CPU QU | 0 | | 26FEB04 | BERNIE G |
| 1005 | Data CPU FU Fab, Assy & Test | 81 | 27FEB04 | 21JUN04 | BERNIE G |
| 0995 | Data CPU FU - Receive Addtional CPUs | 1 | 08APR04* | 08APR04 | BERNIE G |
| 1025 | Data CPU FUs Available | 0 | | 21JUN04 | BERNIE G |
| **LAT Global Trigger (GLT) Electronics** | | | | | |
| 1058 | GLT EM2 Procure Parts | 60 | 19FEB03* | 13MAY03 | BERNIE G |
| 1035 | GLT EM2 - Design Review | 1 | 16APR03* | 16APR03 | BERNIE G |
| 1055 | GLT EM2 Fab, Assy & Test | 114 | 17APR03 | 26SEP03 | BERNIE G |
| 1085 | GLT FU - Parts Review | 30 | 11AUG03* | 22SEP03 | BERNIE G |
| 1115 | GLT FU - Procure Parts | 1 | 23SEP03 | 23SEP03 | BERNIE G |
| 1065 | GLT EM2 Available | 0 | | 26SEP03 | BERNIE G |
| 1095 | GLT QU Design | 16 | 29SEP03 | 21OCT03 | BERNIE G |



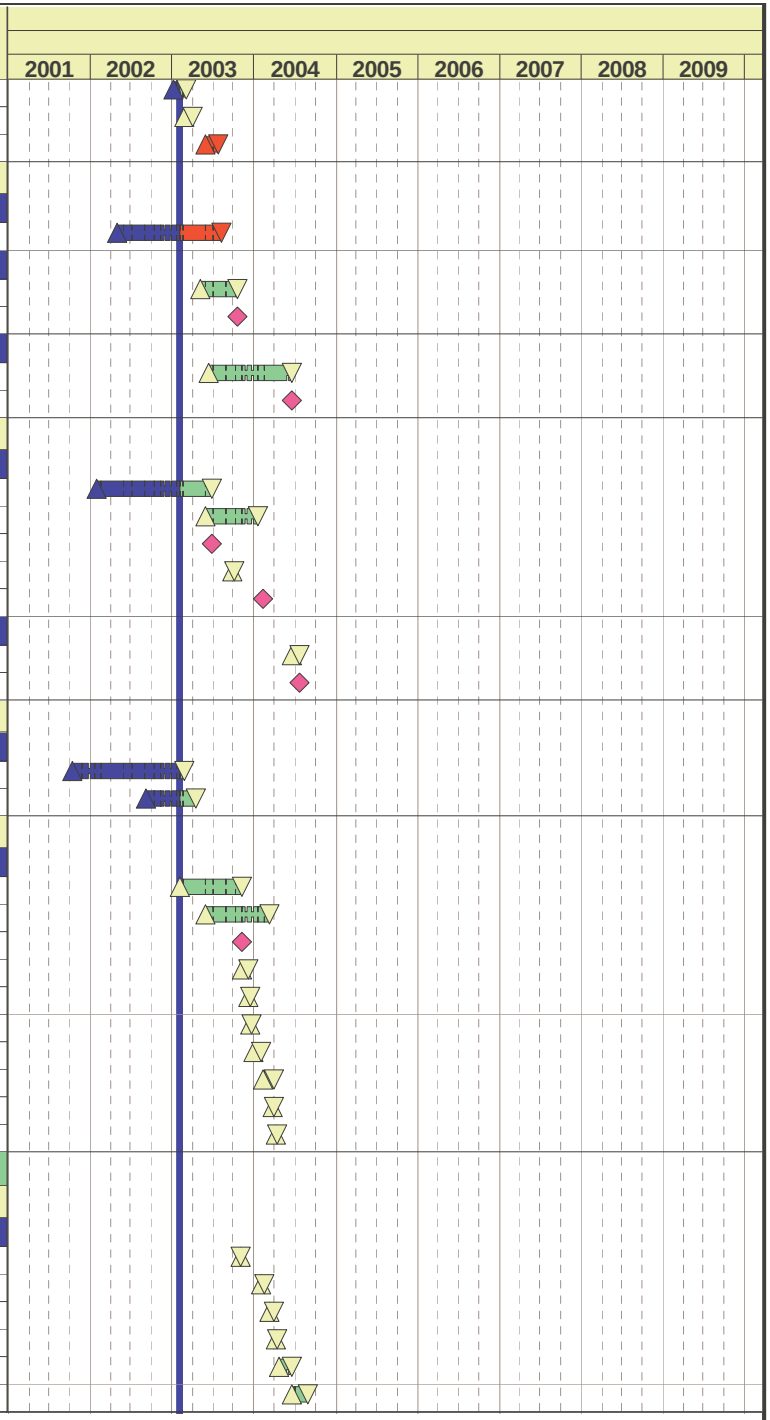
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 1125 | GLT QU Fab, Assy & Test | 104 | 22OCT03 | 30MAR04 | BERNIE G |
| 1145 | GLT FU Fab, Assy & Test | 59 | 31MAR04 | 22JUN04 | BERNIE G |
| 1885 | GLT FU Available | 0 | | 22JUN04 | BERNIE G |
| **LAT Spacecraft Interface Unit** | | | | | |
| **LAT Spacecraft Communications Card** | | | | | |
| 1178 | SIU Comm Card QU - Parts Review | 10 | 17JUL03* | 30JUL03 | BERNIE G |
| 1185 | SIU Comm Card FU - Procure Parts | 1 | 31JUL03 | 31JUL03 | BERNIE G |
| 1155 | SIU Comm Card EM2 Review | 1 | 24OCT03* | 24OCT03 | BERNIE G |
| 1175 | SIU Comm Card QU Design | 15 | 27OCT03* | 17NOV03 | BERNIE G |
| 1205 | SIU Comm Card QU Fab, Assy & Test | 114 | 18NOV03 | 07MAY04 | BERNIE G |
| 1215 | SIU Comm Card FU Fab, Assy & Test | 61 | 10MAY04 | 04AUG04 | BERNIE G |
| **LAT Event Builder** | | | | | |
| 1245 | Event Builder FU Parts Review | 20 | 16JUN03* | 14JUL03 | BERNIE G |
| 1265 | Event Builder FU - Procure Parts | 1 | 15JUL03 | 15JUL03 | BERNIE G |
| 1235 | Event Builder EM2 Review | 1 | 19AUG03* | 19AUG03 | BERNIE G |
| 1275 | Event Builder QU Fab, Assy & Test | 153 | 11SEP03* | 28APR04 | BERNIE G |
| 1295 | Deliver Qual Event Builder | 0 | | 28APR04 | BERNIE G |
| 1305 | Event Builder FU Fab, Assy & Test | 71 | 29APR04 | 09AUG04 | BERNIE G |
| 1325 | Event Builder FUs Available | 0 | | 09AUG04 | BERNIE G |
| **LAT Power Conditioning** | | | | | |
| **LAT Power Switching Card (PSC)** | | | | | |
| 1355 | PSC FU - Parts Review | 5 | 27JUN03* | 03JUL03 | BERNIE G |
| 1385 | PSC FU - Procure Parts | 1 | 07JUL03 | 07JUL03 | BERNIE G |
| 1335 | PSC EM2 Review | 1 | 08OCT03* | 08OCT03 | BERNIE G |
| 1365 | PSC QU Design | 50 | 09OCT03 | 22DEC03 | BERNIE G |
| 1398 | PSC FU - Receive Parts | 1 | 27OCT03* | 27OCT03 | BERNIE G |
| 1395 | PSC QU Fab, Assy & Test | 68 | 19DEC03* | 05APR04 | BERNIE G |
| 1415 | PSC FU Fab, Assy & Test | 52 | 06APR04 | 17JUN04 | BERNIE G |
| 1895 | PSC FU Available | 0 | | 17JUN04 | BERNIE G |
| **LAT TKR/CAL TEM Power Conditioning Card** | | | | | |
| 1425 | TKR/CAL TEM PCC - FU Fab, Assy & Test | 96 | 23JAN04* | 08JUN04 | BERNIE G |
| **LAT Enclosures** | | | | | |
| **LAT TKR/CAL Enclosure** | | | | | |
| 1485 | TKR/CAL TEM Enclosure FU Fab, Assy & Test | 40 | 21JAN04* | 17MAR04 | BERNIE G |
| **LAT ACD-TRG Enclosure** | | | | | |
| 1505 | ACD TEM (GASU) Enclosure FU Fab, Assy & Test | 70 | 08JAN04* | 16APR04 | BERNIE G |
| **LAT Data CPU Enclosure** | | | | | |
| 1535 | Data CPU Enclosure FU Fab, Assy & Test | 35 | 11MAR04* | 28APR04 | BERNIE G |
| **LAT SIU Enclosure** | | | | | |
| 1515 | SIU Enclosure FU Fab, Assy & Test | 30 | 15JUN04* | 27JUL04 | BERNIE G |
| **LAT Cable Harness** | | | | | |
| **LAT Cable Harness Qualification Unit** | | | | | |
| 1545 | LAT Cable Harness Qual Unit Design | 59 | 17SEP03* | 11DEC03 | BERNIE G |
| 1565 | LAT Cable Harness QU Fab, Assy & Test | 15 | 12DEC03 | 12JAN04 | BERNIE G |
| 1575 | LAT Cable Harness FU Fab, Assy & Test | 120 | 12FEB04* | 02AUG04 | BERNIE G |
| 1915 | LAT Cable Harness Ready | 0 | | 02AUG04 | BERNIE G |
| **LAT Flight Software** | | | | | |
| **LAT Flight Software Engineering Models** | | | | | |
| 1585 | LAT FSW EM1 Development | 60 | 12NOV02A | 21JAN03A | BERNIE G |



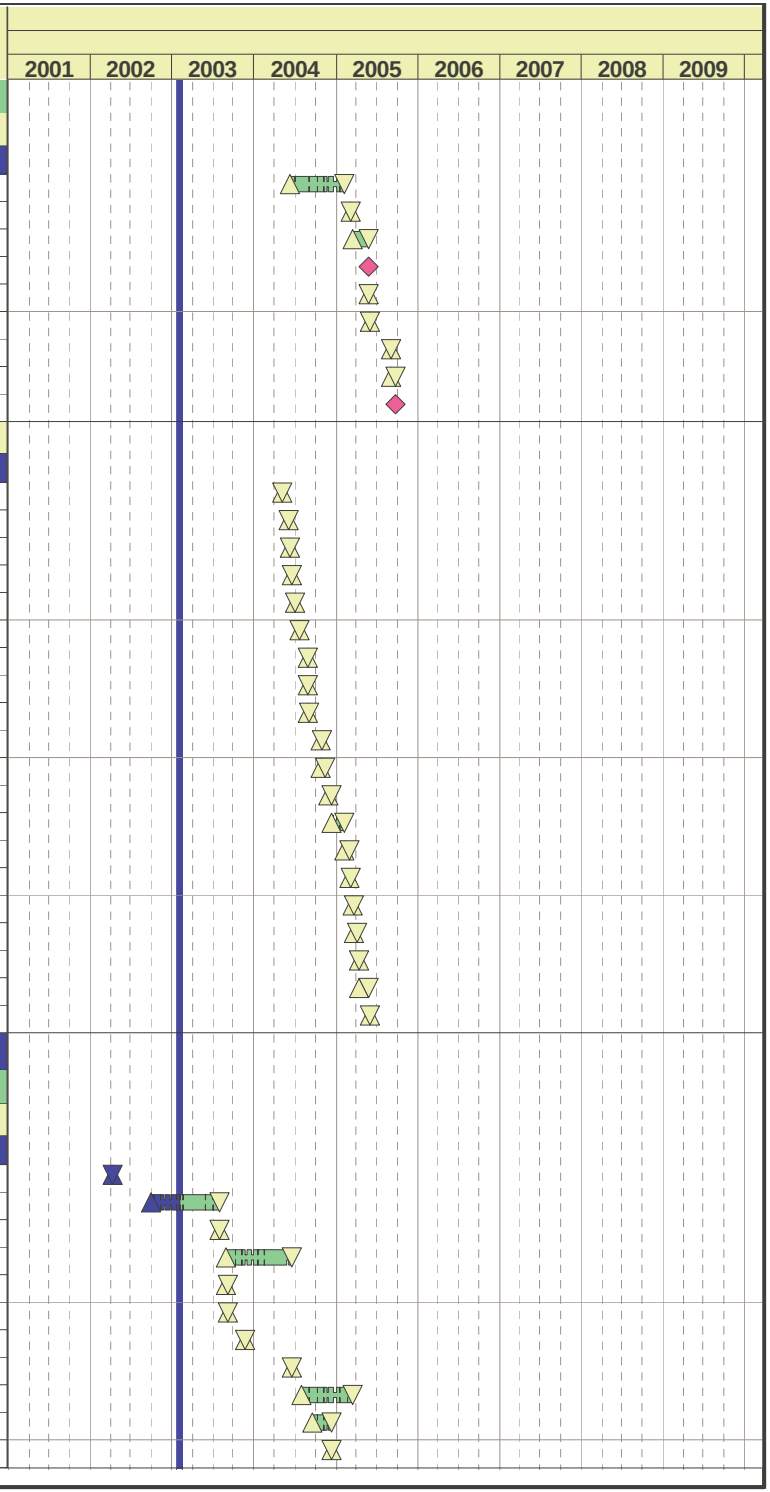
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 1595 | LAT FSW EM1 System Spec to LAT I&T | 0 | | 21JAN03A | BERNIE G |
| 1605 | LAT FSW EM2 Development | 183 | 18FEB03* | 05NOV03 | BERNIE G |
| 1615 | FSW EM2 Code Complete | 1 | 05NOV03 | 05NOV03 | BERNIE G |
| **LAT Flight Software Qualification Unit** | | | | | |
| 1625 | FSW QU Development | 93 | 11SEP03* | 03FEB04 | BERNIE G |
| 1635 | FSW QU Complete | 0 | | 03FEB04 | BERNIE G |
| **LAT Flight Software Flight Unit** | | | | | |
| 1645 | FSW FU Development | 100 | 04FEB04 | 24JUN04 | BERNIE G |
| 1655 | FSW FU Code Complete & Delivered to LAT I&T | 0 | | 24JUN04 | BERNIE G |
| **LAT Electronics Instrument Integration & Test** | | | | | |
| **LAT TKR/CAL TEM Box Integration & Test** | | | | | |
| 1675 | TKR/CAL TEM Box FU (3-16) Acceptance Testing | 19 | 22MAR04 | 15APR04 | BERNIE G |
| 1685 | TKR/CAL TEM FU Assy Mod 3, 4 Ready for I&T | 1 | 16APR04 | 16APR04 | BERNIE G |
| 1705 | TKR/CAL TEM FU Assy Mod 5, 6 Ready for I&T | 1 | 23APR04 | 23APR04 | BERNIE G |
| 1715 | TKR/CAL TEM FU Assy Mod 7, 8 Ready for I&T | 1 | 30APR04 | 30APR04 | BERNIE G |
| 1735 | TKR/CAL TEM FU Assy Mod 9, 10 Ready for I&T | 1 | 07MAY04 | 07MAY04 | BERNIE G |
| 1745 | TKR/CAL TEM FU Assy Mod 11, 12 Ready for I&T | 1 | 14MAY04 | 14MAY04 | BERNIE G |
| 1765 | TKR/CAL TEM FU Assy Mod 13, 14 Ready for I&T | 1 | 21MAY04 | 21MAY04 | BERNIE G |
| 1775 | TKR/CAL TEM FU Assy Mod 15, 16 Ready for I&T | 1 | 28MAY04 | 28MAY04 | BERNIE G |
| **LAT ACD TEM Box Integration & Test** | | | | | |
| 1795 | ACD TEM (GASU) Box FU I&T | 50 | 19MAY04 | 29JUL04 | BERNIE G |
| **LAT Data CPU Box Integration & Test** | | | | | |
| 1805 | Data CPU Box FU I&T | 31 | 21JUL04* | 01SEP04 | BERNIE G |
| **LAT SIU Box Integration & Test** | | | | | |
| 1825 | SIU Box FU I&T | 13 | 10AUG04* | 26AUG04 | BERNIE G |
| **LAT Electronics Instrument Integration & Test** | | | | | |
| 1835 | Integrate FU TEM 1,2 + GASU + Data CPU + SIU | 34 | 02SEP04 | 21OCT04 | BERNIE G |
| 1855 | FU Funct/Performance & Environmental Tests | 25 | 22OCT04 | 29NOV04 | BERNIE G |
| 1865 | LAT Flight Electrical Units Available | 15 | 05NOV04 | 29NOV04 | BERNIE G |
| **LAT Mechanical** | | | | | |
| **LAT Mechanical Top-Level Development/Milestones** | | | | | |
| **LAT Mechanical Top-Level Development/Milestones** | | | | | |
| 0241 | TCS Heat Pipe Development | 349* | 01FEB02A | 27JUN03 | BERNIE G |
| 0229 | LAT Mechanical Design Integration - SUMM | 156* | 02DEC02A | 22JUL03 | BERNIE G |
| 0256 | Flight GRID Fab, Assy & Test - SUMM | 289* | 03FEB03 | 02APR04 | BERNIE G |
| 0193 | Mechanical CDR | 1 | 16APR03 | 16APR03 | BERNIE G |
| 0235 | TCS Fab (Thermistors, Heaters) - SUMM | 117* | 05MAY03 | 20OCT03 | BERNIE G |
| 0244 | TCS Flight Radiator Fab & Test | 169* | 02JUN03 | 10FEB04 | BERNIE G |
| 0238 | TCS EGSE Development - SUMM | 249* | 11JUN03 | 14JUN04 | BERNIE G |
| 0202 | Flight GRID Assy RFI | 0 | | 02APR04 | BERNIE G |
| 0262 | LAT Cal Unit Funct'l/Beam Test & Bkdwn-SUMM | 101* | 05APR04 | 25AUG04 | BERNIE G |
| 0247 | TCS Protoflight T-Balance Testing - SUMM | 25* | 15JUN04 | 20JUL04 | BERNIE G |
| 0259 | X-LAT Plates RFI to I&T | 1 | 20JUL04 | 20JUL04 | BERNIE G |
| **Mechanical System Development** | | | | | |
| **LAT Mechanical Design Integration** | | | | | |
| 0411 | Update I/Fs, Verif Plans During EM Work | 264* | 01MAY02A | 27MAY03 | BERNIE G |
| 0351 | Update/Finalize SC I/Fs/ICD for Mech CDR | 103* | 23SEP02A | 28FEB03 | BERNIE G |
| 0761 | Prep & Support LAT SS-CDRs | 51* | 02DEC02A | 21FEB03 | BERNIE G |
| 0381 | Update SC I/Fs/ICDs for I-CDR | 56 | 02DEC02A | 31MAR03 | BERNIE G |
| 0821 | Update Structural FEA w/EM, SC Inputs | 77* | 02DEC02A | 31MAR03 | BERNIE G |



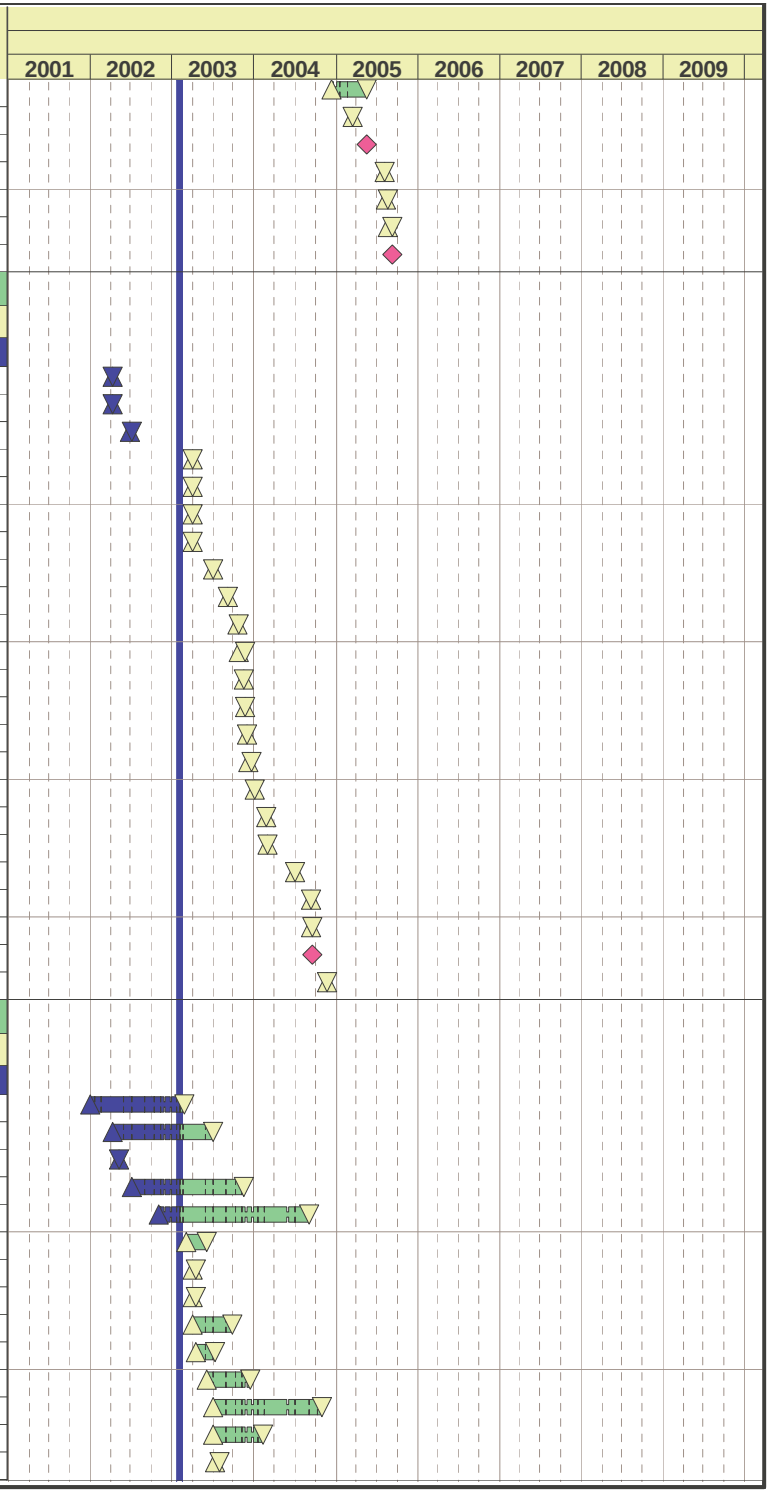
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0851 | Finalize Structural FEA Analyses for LAT CDR | 39* | 06JAN03A | 03MAR03 | BERNIE G |
| 0791 | Generate LAT Outline-Assy Dwgs for Mech-CDR | 28 | 24FEB03 | 02APR03 | BERNIE G |
| 0731 | Finalize ICDs for LAT CDR | 39 | 28MAY03 | 22JUL03 | BERNIE G |
| **Thermal Control System** | | | | | |
| **Thermal Control System Development (SLAC)** | | | | | |
| 0911 | TCS Development for LAT CDR (Prototype) | 312* | 03MAY02A | 06AUG03 | BERNIE G |
| **Thermal Control System Fabrication (SLAC)** | | | | | |
| 0881 | TCS Flight HW Fab (Heaters, Thermistors) | 117 | 05MAY03 | 20OCT03 | BERNIE G |
| 0891 | TCS Flight HW Ready for I&T | 0 | | 20OCT03 | BERNIE G |
| **Thermal Control Integration Support (SLAC)** | | | | | |
| 0921 | TCS EGSE Development | 249 | 11JUN03* | 14JUN04 | BERNIE G |
| 0941 | TCS EGSE Ready for Mech I&T | 0 | | 14JUN04 | BERNIE G |
| **Radiators, Heat Pipes, Thermal Testing (LM)** | | | | | |
| **Radiator Fabrication & Test** | | | | | |
| 0981 | Heat Pipe Fab | 349* | 01FEB02A | 27JUN03 | BERNIE G |
| 0951 | Flight Radiator Fab & Test | 154 | 02JUN03* | 20JAN04 | BERNIE G |
| 1001 | Top Flange Heat Pipes Ready for Delivery | 0 | | 27JUN03 | BERNIE G |
| 1011 | Downspout Heat Pipes Ready for Delivery | 1 | 01OCT03* | 01OCT03 | BERNIE G |
| 0971 | Flight Radiator Ready for Mech I&T | 0 | | 10FEB04* | BERNIE G |
| **TCS Protoflight Testing (LM)** | | | | | |
| 1031 | TCS Protoflight T-Bal Testing | 25 | 15JUN04 | 20JUL04 | BERNIE G |
| 1041 | X-LAT Plates RFI to LAT I&T | 0 | | 20JUL04 | BERNIE G |
| **GRID Development** | | | | | |
| **GRID EM Development & Testing (SLAC)** | | | | | |
| 1061 | Cmplt Grid EM Heat Pipes Dev & Testing for M-CDR | 334* | 15OCT01A | 28FEB03 | BERNIE G |
| 1071 | EM Grid Mock-up Development & Test for M-CDR | 147* | 05SEP02A | 15APR03 | BERNIE G |
| **Mechanical Fab, Assembly & Test** | | | | | |
| **FLT GRID Fab, Assembly & Test (SLAC)** | | | | | |
| 1101 | Flight Grid Fab (SLAC) | 196 | 03FEB03* | 11NOV03 | BERNIE G |
| 1211 | X-LAT Box Fab & Assy | 191 | 02JUN03* | 12MAR04 | BERNIE G |
| 1121 | Flight Grid Ready for Assy | 0 | | 11NOV03 | BERNIE G |
| 1131 | Prep FLT Grid/Prep & Assem HPs on FLT Grid | 19 | 12NOV03 | 09DEC03 | BERNIE G |
| 1151 | Inspect, Test Flight Grid Assy | 5 | 10DEC03 | 16DEC03 | BERNIE G |
| 1161 | Integrate Heaters, Thermistors | 5 | 17DEC03 | 23DEC03 | BERNIE G |
| 1181 | Flight Grid Testing (Funct/Survey/Structural) | 20 | 02JAN04 | 30JAN04 | BERNIE G |
| 1191 | Mech Assy, Fit & Testing | 35 | 13FEB04* | 02APR04 | BERNIE G |
| 1221 | X-LAT Plate Testing | 10 | 22MAR04* | 02APR04 | BERNIE G |
| 1271 | Prep Flight Grid for Integration | 6 | 05APR04 | 12APR04 | BERNIE G |
| **LAT Calibration Unit** | | | | | |
| **LAT Calibration Unit** | | | | | |
| **LAT Calibration Unit** | | | | | |
| 0184 | Calibration Test Unit Delivered to SLAC & RFI | 1 | 31OCT03* | 31OCT03 | BERNIE G |
| 0187 | LAT Calibration Unit I&T (Funct'l on Mods A&B) | 10 | 05FEB04 | 19FEB04 | BERNIE G |
| 0220 | LAT Calibration Unit I&T (Funct'l on Mods 1 & 2) | 15 | 10MAR04 | 30MAR04 | BERNIE G |
| 0250 | Install Calibration Unit on Beamline @ SLAC | 10 | 05APR04* | 16APR04 | BERNIE G |
| 0223 | SLAC Beam Test (Calibration Unit) | 40 | 19APR04 | 14JUN04 | BERNIE G |
| 0253 | Beam Test Support, Breakdown, Prep & Transport | 51 | 15JUN04 | 25AUG04 | BERNIE G |



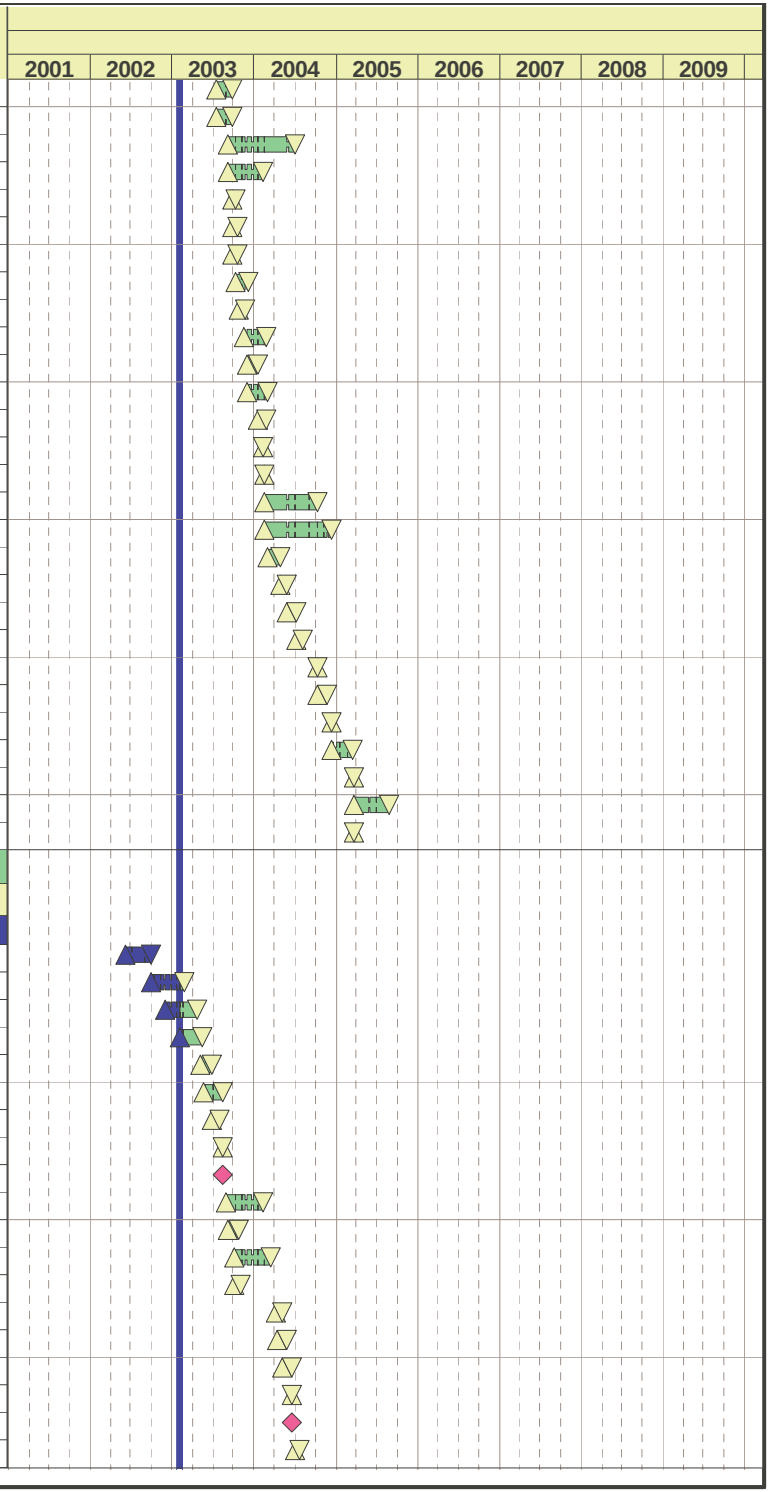
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **LAT Flight Integration & Test** | | | | | |
| **LAT Flight I&T Top-Level Development/Milestones** | | | | | |
| **LAT Flight I&T Top-Level Development/Milestones** | | | | | |
| 0007 | LAT Integration & Test - SUMM | 163* | 09JUN04 | 09FEB05 | BERNIE G |
| 0181 | Ship to NRL (w/In-Flight Test) | 3 | 08MAR05 | 10MAR05 | BERNIE G |
| 0013 | LAT Environmental Tests - SUMM | 50* | 16MAR05 | 24MAY05 | BERNIE G |
| 0073 | LAT I&T Complete/Ready @ NRL | 0 | | 24MAY05 | BERNIE G |
| 0268 | Prep & Ship LAT to SLAC from NRL | 3 | 25MAY05 | 27MAY05 | BERNIE G |
| 0109 | LAT Placed in Storage @ SLAC | 1 | 02JUN05 | 02JUN05 | BERNIE G |
| 0019 | LAT Ship to S/C Vendor for Observatory I&T | 3 | 01SEP05* | 03SEP05 | BERNIE G |
| 0058 | LAT Unpack, Post-Ship Testing/Checkout | 12 | 06SEP05 | 21SEP05 | BERNIE G |
| 0295 | LAT Ready for Observatory I&T @ S/C Vendor | 0 | | 21SEP05 | BERNIE G |
| **LAT Flight Integration & Test** | | | | | |
| **LAT Flight Integration & Test** | | | | | |
| 4474 | Integrate/Funct Flt TKR/Cal Towers 5-6 | 3 | 04MAY04 | 06MAY04 | BERNIE G |
| 4477 | Integrate/Funct Flt TKR/Cal Towers 7-8 | 3 | 02JUN04 | 04JUN04 | BERNIE G |
| 4471 | Integrate/Funct Flt TKR/Cal Towers 3-4 | 3 | 09JUN04 | 11JUN04 | BERNIE G |
| 4480 | Integrate/Funct Flt TKR/Cal Towers 9-10 | 3 | 15JUN04 | 17JUN04 | BERNIE G |
| 4483 | Integrate/Funct Flt TKR/Cal Towers 11-12 | 3 | 29JUN04 | 01JUL04 | BERNIE G |
| 4486 | Integrate/Funct Flt TKR/Cal Towers 13-14 | 3 | 22JUL04 | 26JUL04 | BERNIE G |
| 4489 | Integrate/Funct Flt TKR/Cal Towers 15-16 | 3 | 26AUG04 | 30AUG04 | BERNIE G |
| 4492 | Integrate/Funct Flt TKR/Cal Towers 1-2 | 3 | 26AUG04 | 30AUG04 | BERNIE G |
| 1925 | Survey LAT | 5 | 31AUG04 | 07SEP04 | BERNIE G |
| 1945 | Integ Flt ACD/Blanket on Grid/Funct Test | 5 | 27OCT04* | 02NOV04 | BERNIE G |
| 1985 | Rec/Inspect/Integ X-LAT Thermal Plate | 15 | 27OCT04* | 17NOV04 | BERNIE G |
| 1955 | Integrate LAT-Wide Electronics | 9 | 30NOV04 | 10DEC04 | BERNIE G |
| 1975 | Functional Test LAT-Wide Electronics | 35 | 13DEC04 | 09FEB05 | BERNIE G |
| 2005 | LAT Comprehensive Test | 12 | 10FEB05 | 28FEB05 | BERNIE G |
| 2015 | LAT Thermal Cycle Test | 5 | 01MAR05 | 07MAR05 | BERNIE G |
| 2065 | LAT EMI Test | 4 | 16MAR05* | 21MAR05 | BERNIE G |
| 2075 | LAT Modal Survey/Sine Sweep | 14 | 22MAR05 | 08APR05 | BERNIE G |
| 2095 | LAT Random Vibe/Acoustics | 4 | 11APR05 | 14APR05 | BERNIE G |
| 2105 | LAT TVAC Testing | 28 | 15APR05 | 24MAY05 | BERNIE G |
| 2125 | LAT Final Comprehensive Test @ SLAC | 2 | 31MAY05 | 01JUN05 | BERNIE G |
| **GBM Instrument** | | | | | |
| **GBM Top-Level Development/Milestones** | | | | | |
| 0092 | GBM PDR | 1 | 09APR02A | 09APR02A | BILL B |
| 0095 | GBM FSW Build 1-SUMM | 205* | 01OCT02A | 01AUG03 | BILL B |
| 0098 | GBM FSW Build 1 Delivery | 1 | 01AUG03 | 01AUG03 | BILL B |
| 0104 | GBM FSW Build 2-SUMM | 195* | 28AUG03 | 15JUN04 | BILL B |
| 0304 | GBM DPU CDR | 2 | 02SEP03* | 03SEP03 | BILL B |
| 0310 | GBM Flight Software CDR | 2 | 03SEP03* | 04SEP03 | BILL B |
| 0313 | GBM Power Box and Detector CDR (MPE Only) | 1 | 26NOV03 | 26NOV03 | BILL B |
| 0107 | GBM FSW Build 2 Delivery | 1 | 15JUN04 | 15JUN04 | BILL B |
| 0152 | GBM FSW Build 3-SUMM | 150* | 02AUG04 | 16MAR05 | BILL B |
| 0025 | GBM Flight Instr Integ/Bench Test @ MSFC-SUMM | 62* | 17SEP04 | 16DEC04 | BILL B |
| 0028 | GBM PER | 1 | 16DEC04* | 16DEC04 | BILL B |



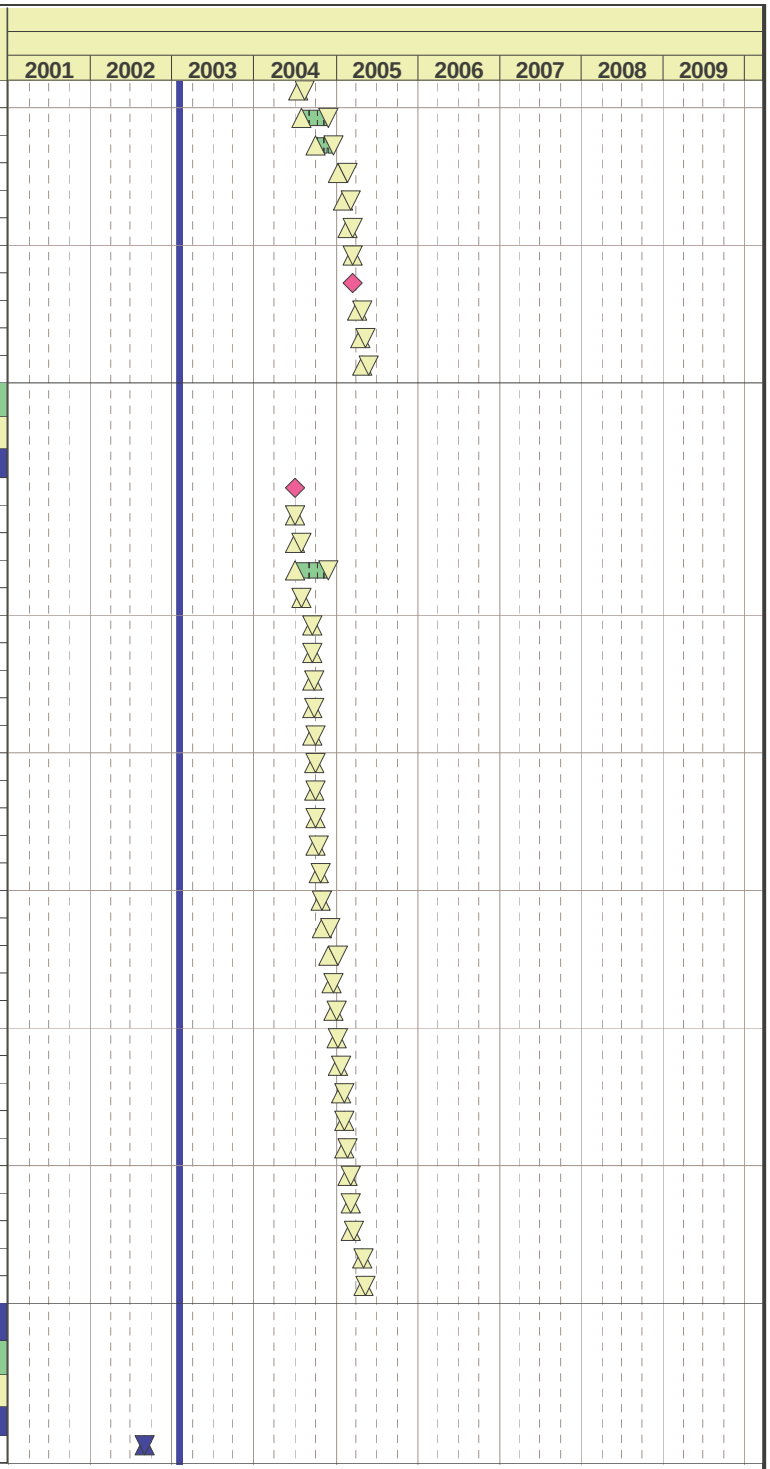
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0029 | GBM Calibration & Environ Testing @ MSFC-SUMM | 102* | 17DEC04 | 20MAY05 | BILL B |
| 0389 | GBM FSW Build 3.0 Delivery | 1 | 16MAR05 | 16MAR05 | BILL B |
| 0164 | I&T Complete @ MSFC/GBM Rdy for Obs I&T | 0 | | 20MAY05 | BILL B |
| 0031 | GBM PSR | 1 | 03AUG05* | 03AUG05 | BILL B |
| 0298 | GBM Ship to S/C Vendor for Observatory I&T | 5 | 17AUG05* | 23AUG05 | BILL B |
| 0292 | GBM Unpack, Post-Ship Testing/Checkout | 10 | 24AUG05 | 07SEP05 | BILL B |
| 0034 | GBM Ready for Observatory I&T @ S/C Vendor | 0 | | 07SEP05 | BILL B |
| **GBM Subsystem Milestones** | | | | | |
| 0296 | Flight Software Tools From SwRI | 1 | 09APR02A | 09APR02A | BILL B |
| 0113 | GBM Flight Software PDR | 1 | 11APR02A | 11APR02A | BILL B |
| 0089 | DPU Breadboard Delivery (Analog Prototype) | 1 | 01JUL02A | 01JUL02A | BILL B |
| 5069 | MSFC Deliv FLT Connectors for Detctrs & PwrBox | 1 | 31MAR03* | 31MAR03 | BILL B |
| 0312 | MPE: Delivery of the BGO Crystals to DJO | 1 | 31MAR03* | 31MAR03 | BILL B |
| 5072 | MPE Delivers Photomutipliers to DJO | 1 | 31MAR03* | 31MAR03 | BILL B |
| 0320 | FEE/NaI/BGO/PwrBox BB Dev/Phase B Complete | 1 | 31MAR03* | 31MAR03 | BILL B |
| 0140 | DPU EU #1 Delivery to MSFC | 1 | 02JUL03* | 02JUL03 | BILL B |
| 0638 | DPU EU #2 Delivery to MSFC | 1 | 04SEP03 | 04SEP03 | BILL B |
| 0314 | Delivery of Eng Qual Mod Detectors to MPE | 2 | 21OCT03 | 22OCT03 | BILL B |
| 0318 | CDR Preparations | 23 | 23OCT03 | 25NOV03 | BILL B |
| 0155 | DPU BB Analog Protoflt Delv to MPE (TBR to MSFC) | 1 | 14NOV03* | 14NOV03 | BILL B |
| 5036 | MPE: Ship EQM to MSFC | 1 | 26NOV03 | 26NOV03 | BILL B |
| 0173 | MPE Deliv NaI Crystals in Sealed Housings to DJO | 1 | 28NOV03* | 28NOV03 | BILL B |
| 0659 | MPE: Deliv of the Strct Thermal Mods to MSFC | 10 | 09DEC03 | 22DEC03 | BILL B |
| 0683 | MSFC Delivers GBM Mass Thermal Mods Back to S/C | 1 | 08JAN04 | 08JAN04 | BILL B |
| 0146 | Deliver DPU BB (Analog Prototype) to MSFC | 1 | 27FEB04 | 27FEB04 | BILL B |
| 0641 | S/C Protoflt Cables Delivery From MSFC to DJO | 1 | 01MAR04* | 01MAR04 | BILL B |
| 0101 | SwRI Delivers DPU Flight Unit to MSFC | 1 | 30JUN04* | 30JUN04 | BILL B |
| 0215 | MPE Pre-Ship Review (MPE PSR) | 1 | 09SEP04* | 09SEP04 | BILL B |
| 0293 | MPE Ship Flight Hardware to MSFC | 5 | 10SEP04 | 16SEP04 | BILL B |
| 0137 | GBM Flight PowerBox & Instrument Detectors Rec'd | 0 | | 16SEP04 | BILL B |
| 0161 | DPU EU #2 Delivery to S/C (TBR to MSFC) | 1 | 24NOV04 | 24NOV04 | BILL B |
| **GBM Flight Instrument Development** | | | | | |
| 0326 | GSE - Prepare Software Plan | 286* | 02JAN02A | 28FEB03 | BILL B |
| 0644 | Develop DPU Engineering Units | 303* | 11APR02A | 01JUL03 | BILL B |
| 0116 | Complete Final Update IRD/ICD (Spacecraft) | 1 | 08MAY02A | 08MAY02A | BILL B |
| 0647 | DPU BB @ MSFC for Testing | 336* | 08JUL02A | 13NOV03 | BILL B |
| 0167 | Mechanical GSE (MPE w/MSFC Input as Requested) | 451* | 04NOV02A | 02SEP04 | BILL B |
| 0329 | Engineering Test GSE Software Design | 66 | 03MAR03 | 03JUN03 | BILL B |
| 0335 | Detector Module FM Redesign/Update Manufact Docs | 10 | 01APR03* | 14APR03 | BILL B |
| 0134 | PwrBox ProtoFlt Model Redsn & Update Manuf Docs | 10 | 01APR03* | 14APR03 | BILL B |
| 0182 | Detailed Design of FEE, Detectors & PowerBox | 127 | 01APR03 | 29SEP03 | BILL B |
| 0158 | PwrBox ProtoFlt Model Manufacture | 58 | 15APR03 | 07JUL03 | BILL B |
| 0333 | Engineering Test Software Code & Test | 134 | 04JUN03 | 15DEC03 | BILL B |
| 0299 | Engineering Test Electrical GSE | 332 | 02JUL03* | 02NOV04 | BILL B |
| 0650 | DPU EU #1 @ MSFC for Testing-1 | 149 | 03JUL03 | 13FEB04 | BILL B |
| 0170 | PwrBox ProtoFlt Model Assembly | 20 | 08JUL03 | 04AUG03 | BILL B |



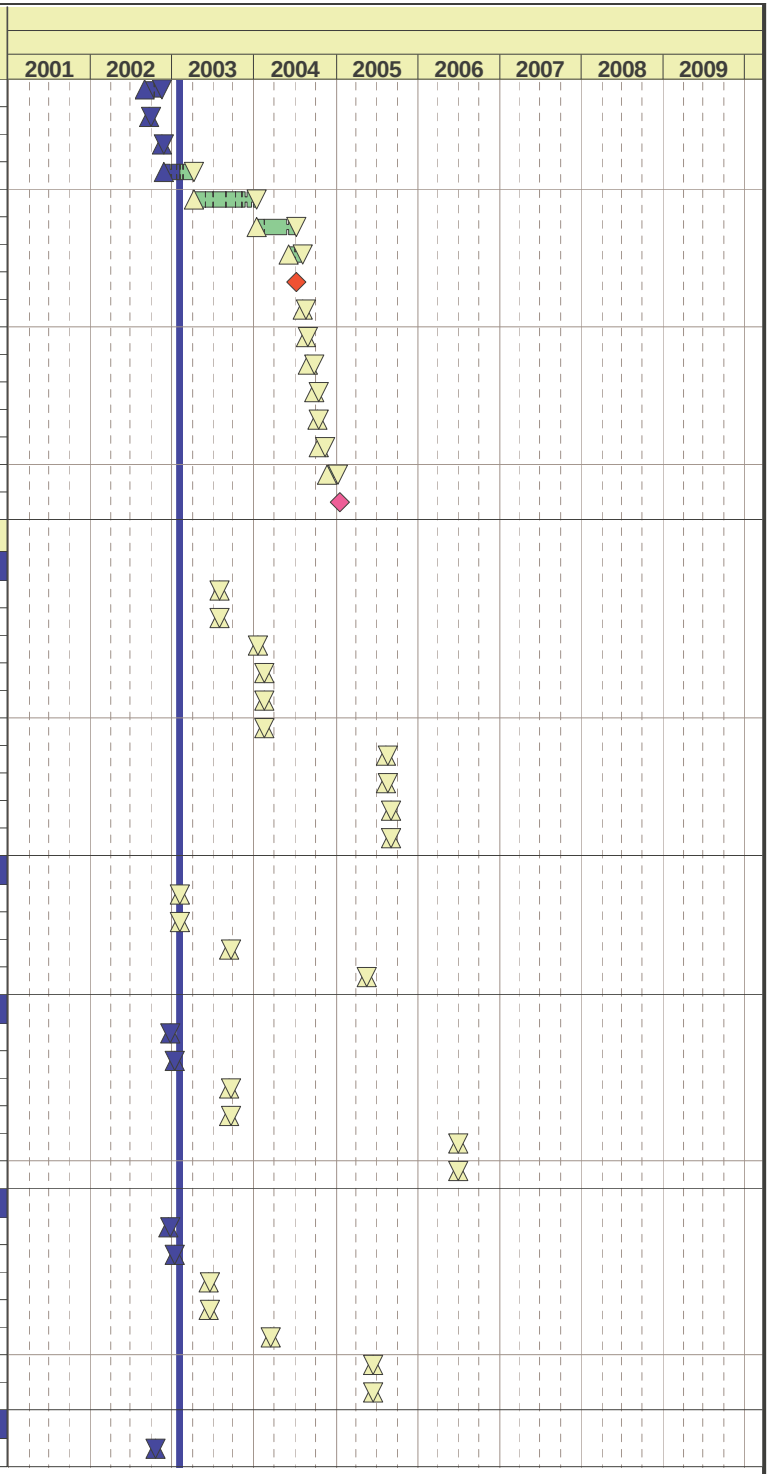
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0302 | BGO Eng Qual Detector Build | 49 | 22JUL03* | 29SEP03 | BILL B |
| 0305 | NaI Eng Qual Mod Detector Build | 49 | 22JUL03* | 29SEP03 | BILL B |
| 0330 | Final DPU Design, Build & Test | 201 | 04SEP03 | 29JUN04 | BILL B |
| 0653 | DPU EU #2 @ MSFC for Testing-1 | 104 | 05SEP03 | 12FEB04 | BILL B |
| 0185 | Manufacturing Drawings of Srct Thermal Mod Units | 9 | 30SEP03 | 10OCT03 | BILL B |
| 0308 | Qualification of the BGO Detector | 14 | 30SEP03 | 20OCT03 | BILL B |
| 0311 | Qualification of the NaI Detector | 14 | 30SEP03 | 20OCT03 | BILL B |
| 0297 | MPE: Manufacturing of the Srct Thermal Mod Units | 38 | 14OCT03 | 08DEC03 | BILL B |
| 5039 | EQM Testing @ MPE | 23 | 23OCT03 | 25NOV03 | BILL B |
| 0662 | DPU BB @ MPE for Testing | 64 | 17NOV03 | 26FEB04 | BILL B |
| 0179 | GSE's For PwrBox MAIT | 30 | 28NOV03* | 20JAN04 | BILL B |
| 0119 | Detector Module FM Manufacturing | 59 | 28NOV03 | 02MAR04 | BILL B |
| 0176 | PwrBox ProtoFlt Model Acpt Test(Incl Vibe/TVAC) | 24 | 21JAN04 | 24FEB04 | BILL B |
| 5057 | Install FSW Bld 1 Fusable Link Prom in DPU EU #2 | 1 | 13FEB04 | 13FEB04 | BILL B |
| 0143 | Install FSW Bld 1 Fusable Link Prom in DPU EU #1 | 1 | 17FEB04 | 17FEB04 | BILL B |
| 5060 | DPU EU #2 @ MSFC-2 | 164 | 17FEB04 | 06OCT04 | BILL B |
| 5042 | DPU EU #1 @ MSFC for Testing-2 | 208 | 18FEB04 | 13DEC04 | BILL B |
| 0122 | Detector Module FM Assembly | 40 | 03MAR04 | 27APR04 | BILL B |
| 0125 | Detector Module FM Acpt Test(incl Vibe&TVAC) | 20 | 28APR04 | 25MAY04 | BILL B |
| 0128 | Performance Test on Subsys Level (Detctrs&PwrBx) | 28 | 26MAY04 | 06JUL04 | BILL B |
| 0131 | MPE Science Test | 20 | 07JUL04 | 03AUG04 | BILL B |
| 5063 | Install FSW 2 EPROM in DPU EU #2 | 1 | 12OCT04 | 12OCT04 | BILL B |
| 5066 | DPU EU #2 @ MSFC for Testing-3 | 29 | 13OCT04 | 23NOV04 | BILL B |
| 5045 | Install FSW 2 EPROM in DPU EU #1 | 1 | 14DEC04 | 14DEC04 | BILL B |
| 5048 | DPU EU #1 @ MSFC for Testing-3 | 59 | 15DEC04 | 18MAR05 | BILL B |
| 5051 | Install FSW 3 EPROM in DPU EU #1 | 1 | 21MAR05 | 21MAR05 | BILL B |
| 5054 | DPU EU #1 @ MSFC for Testing-4 | 110 | 22MAR05 | 24AUG05 | BILL B |
| 5075 | Install FSW 3 EPROM in DPU FLT Unit | 3 | 23MAR05 | 25MAR05 | BILL B |
| **GBM Instrument Flight Software** | | | | | |
| 0317 | GBM FSW System Familiarization | 86* | 03JUN02A | 30SEP02A | BILL B |
| 0323 | GBM FSW Design & Code Build 1.0 | 97* | 01OCT02A | 28FEB03 | BILL B |
| 0332 | GBM FSW Unit Test Build 1.0 | 96* | 02DEC02A | 25APR03 | BILL B |
| 0347 | GBM FSW 1.0 Validation Test Plan | 70* | 07FEB03A | 16MAY03 | BILL B |
| 0338 | GBM SW Verification Testing Build 1.0 | 35 | 09MAY03 | 27JUN03 | BILL B |
| 0344 | GBM FSW Build 1.0 Validation Test Description | 62 | 19MAY03 | 14AUG03 | BILL B |
| 0341 | GBM FSW Prepare Test Reports Build 1.0 | 24 | 30JUN03 | 01AUG03 | BILL B |
| 5087 | Burn FSW 1 Fusable Link Prom for DPU EU 1,2& FLT | 1 | 15AUG03 | 15AUG03 | BILL B |
| 5090 | FSW Bld 1 Fusable Link Prom Avail for Install | 0 | | 15AUG03 | BILL B |
| 0353 | GBM FSW Design & Code Build 2.0 | 110 | 28AUG03 | 13FEB04 | BILL B |
| 0350 | GBM FSW Build 1.0 Validation Test Execution | 38 | 03SEP03 | 27OCT03 | BILL B |
| 0356 | GBM FSW Unit Test Build 2.0 | 109 | 03OCT03* | 19MAR04 | BILL B |
| 5084 | Prep FSW 1.0 Validation Test Reports | 19 | 06OCT03* | 31OCT03 | BILL B |
| 0359 | GBM FSW Verification Testing Build 2.0 | 23 | 05APR04 | 05MAY04 | BILL B |
| 0362 | GBM FSW Build 2.0 Validation Test Description | 35 | 12APR04* | 28MAY04 | BILL B |
| 0368 | GBM FSW Prepare Test Reports Build 2.0 | 28 | 06MAY04 | 15JUN04 | BILL B |
| 5099 | Load FSW 2 to EPROM for DPU EU #1, #2, & FLT | 1 | 16JUN04 | 16JUN04 | BILL B |
| 5102 | FSW Bld 2 EPROM Available for Installation | 0 | | 16JUN04 | BILL B |
| 0365 | GBM FSW Build 2.0 Validation Test Execution | 16 | 01JUL04 | 23JUL04 | BILL B |



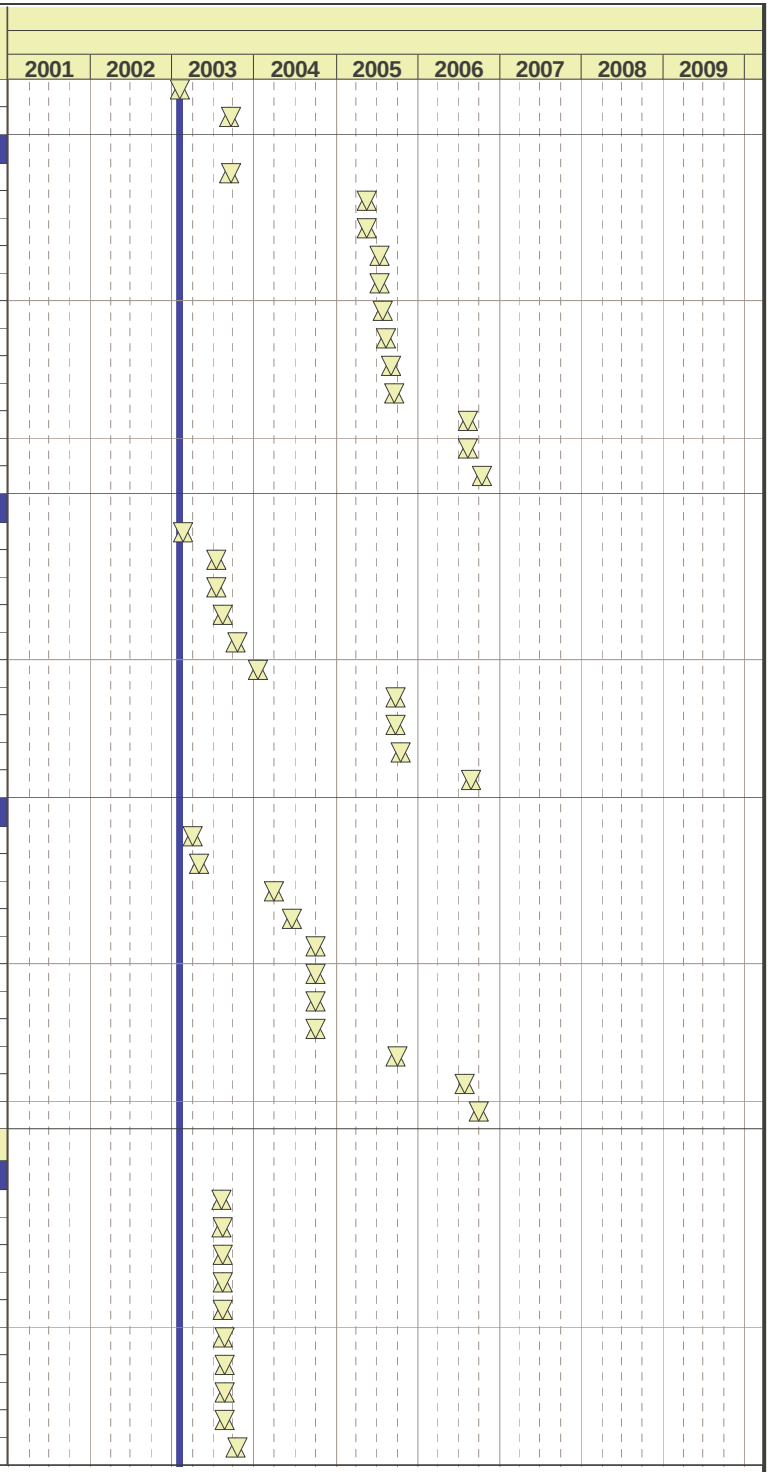
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 5093 | Prep FSW 2.0 Validation Test Reports | 20 | 19JUL04* | 13AUG04 | BILL B |
| 0371 | GBM FSW Design & Code Build 3.0 | 81 | 02AUG04* | 26NOV04 | BILL B |
| 0374 | GBM FSW Unit Test Build 3.0 | 55 | 04OCT04* | 22DEC04 | BILL B |
| 0377 | GBM FSW Verification Testing Build 3.0 | 28 | 13JAN05 | 23FEB05 | BILL B |
| 0380 | GBM FSW Build 3.0 Validation Test Description | 23 | 03FEB05* | 08MAR05 | BILL B |
| 0383 | GBM FSW Prepare Test Reports Build 3.0 | 14 | 24FEB05 | 15MAR05 | BILL B |
| 5078 | Load FSW Bld 3 to EPROM for DPU EU #1, #2 & FLT | 1 | 17MAR05 | 17MAR05 | BILL B |
| 5081 | FSW Bld 3 EPROM Available for Installation | 0 | | 17MAR05 | BILL B |
| 0386 | GBM FSW Build 3.0 Validation Test Execution | 20 | 04APR05 | 29APR05 | BILL B |
| 5096 | Prep FSW 3 Validation Test Reports | 20 | 18APR05* | 13MAY05 | BILL B |
| 0392 | GBM FSW Build 3.0 Pre-Ship Functional Test | 20 | 02MAY05 | 27MAY05 | BILL B |
| **GBM Integration and Environmental Testing** | | | | | |
| 0395 | MSFC Receives DPU Flt Unit From SwRI For Integ | 0 | | 30JUN04 | BILL B |
| 5033 | Install FSW 1 Fusable Link Prom in DPU FLT Unit | 1 | 01JUL04 | 01JUL04 | BILL B |
| 0110 | Functional Test DPU Flt Unit & Install EPROM | 17 | 02JUL04 | 27JUL04 | BILL B |
| 0416 | Integration & Test Facility Setup & Checkout | 105 | 02JUL04* | 02DEC04 | BILL B |
| 0518 | Funct Test DPU Flt Unit & Install EPROM Complete | 1 | 28JUL04 | 28JUL04 | BILL B |
| 0410 | Receive NaI from MPE | 2 | 17SEP04 | 20SEP04 | BILL B |
| 0398 | Receive BGO from MPE | 2 | 17SEP04 | 20SEP04 | BILL B |
| 0404 | Receive Power Supply from MPE | 5 | 17SEP04 | 23SEP04 | BILL B |
| 0401 | Functional Test BGO | 5 | 21SEP04 | 27SEP04 | BILL B |
| 0413 | Functional Test NaI | 10 | 21SEP04 | 04OCT04 | BILL B |
| 0407 | Power Supply Acceptance Testing | 5 | 24SEP04 | 30SEP04 | BILL B |
| 5000 | BGO Testing @ Duke University | 5 | 28SEP04 | 04OCT04 | BILL B |
| 0188 | Integrate Flight DPU with Power Supply | 3 | 01OCT04 | 05OCT04 | BILL B |
| 0524 | NaI Testing in XRCF @ MSFC | 9 | 05OCT04 | 18OCT04 | BILL B |
| 0191 | Integ FLT DPU/Pwr Supplies with NaI Detectors | 5 | 19OCT04 | 25OCT04 | BILL B |
| 0194 | Integ FLT DPU/Pwr Supply/BGO & NaI Detectors | 3 | 26OCT04 | 28OCT04 | BILL B |
| 5003 | GBM FSW Validation | 28 | 29OCT04 | 09DEC04 | BILL B |
| 0419 | GBM Instrument Test Reporting | 23 | 03DEC04 | 13JAN05 | BILL B |
| 5006 | GBM System Acceptance Test | 3 | 17DEC04* | 21DEC04 | BILL B |
| 5009 | GBM System Linearity | 3 | 22DEC04 | 04JAN05 | BILL B |
| 5012 | GBM High Rate Test | 3 | 05JAN05 | 07JAN05 | BILL B |
| 5015 | GBM Thermal Vac Setup & Test | 20 | 08JAN05 | 27JAN05 | BILL B |
| 5018 | GBM Thermal Balance Setup & Test | 7 | 28JAN05 | 07FEB05 | BILL B |
| 5021 | GBM Rapid Pumpdown Test | 3 | 08FEB05 | 10FEB05 | BILL B |
| 0200 | GBM Instrument EMI/EMC Testing | 9 | 11FEB05 | 24FEB05 | BILL B |
| 0203 | GBM AGC Setup & Test | 7 | 25FEB05 | 07MAR05 | BILL B |
| 5024 | GBM LAT Signal Test | 1 | 08MAR05 | 08MAR05 | BILL B |
| 5027 | GBM Long Energy Calibration | 10 | 09MAR05 | 22MAR05 | BILL B |
| 0212 | GBM Instrument Pre-Ship Functional Testing | 5 | 02MAY05 | 06MAY05 | BILL B |
| 5030 | GBM Final Functional Test Data Analysis | 5 | 09MAY05 | 13MAY05 | BILL B |
| **Spacecraft** | | | | | |
| **Spacecraft Development** | | | | | |
| **Spacecraft Top-Level Development/Milestones** | | | | | |
| 0037 | S/C Vendor Selection | 1 | 30AUG02A | 30AUG02A | JOY B |



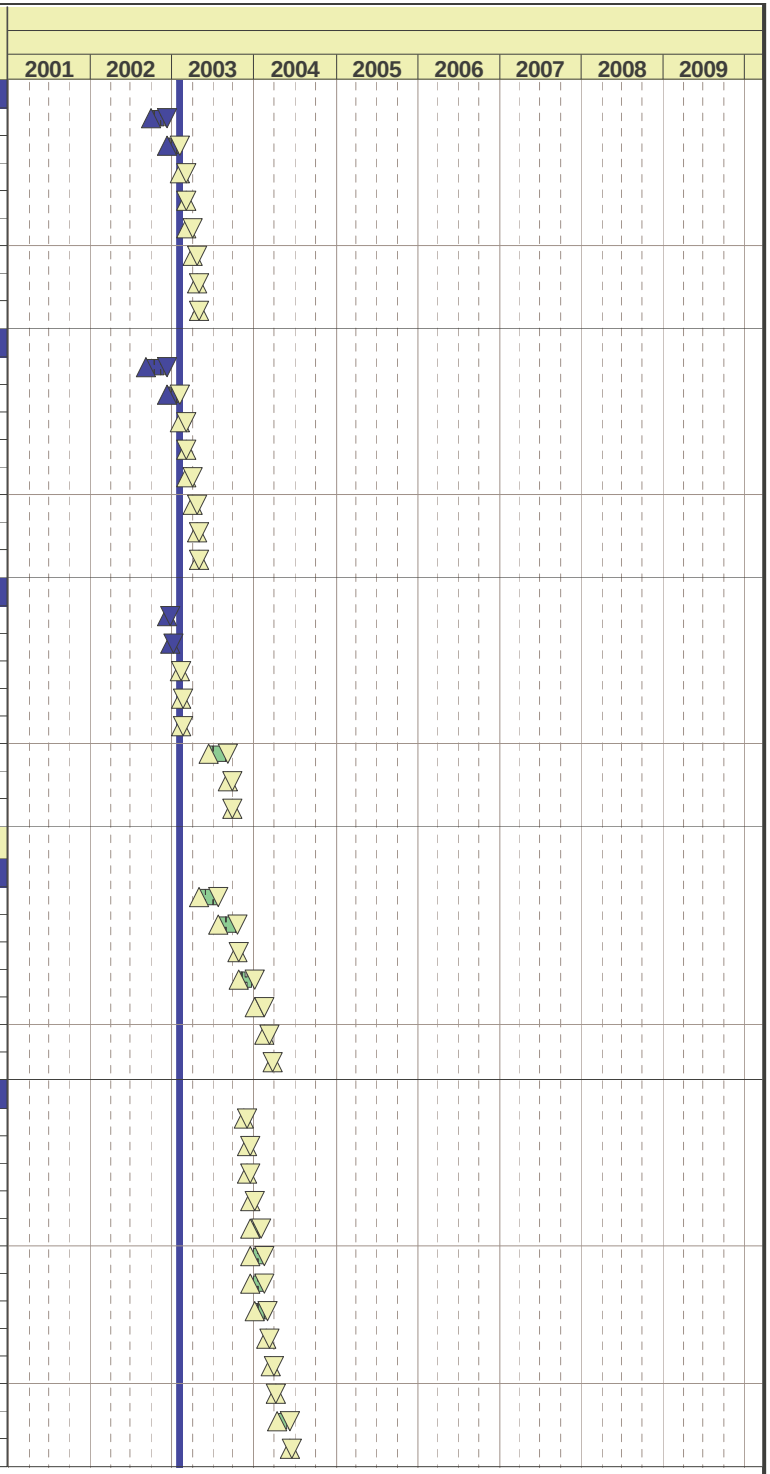
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0043 | S/C System Requirements Definition | 54 | 03SEP02A | 19NOV02A | JOY B |
| 0496 | S/C Kickoff Meeting | 2 | 25SEP02A | 26SEP02A | JOY B |
| 0139 | S/C SRR | 2 | 20NOV02A | 21NOV02A | JOY B |
| 0097 | S/C Development (Preliminary System Design) | 87* | 22NOV02A | 07APR03 | JOY B |
| 0094 | S/C Development (Detailed System Design) | 184 | 11APR03 | 12JAN04 | JOY B |
| 0046 | S/C Component Fab & Test - SUMM | 122* | 13JAN04 | 06JUL04 | JOY B |
| 0553 | S/C Bus Prep and Harness Integration-SUMM | 43* | 04JUN04 | 04AUG04 | JOY B |
| 0555 | Flight Structure Ready For Bus I&T | 0 | | 06JUL04* | JOY B |
| 1294 | S/C Bus Eng Model Integration-SUMM | 10* | 05AUG04 | 18AUG04 | JOY B |
| 0565 | S/C Bus EPS Integration-SUMM | 8* | 19AUG04 | 30AUG04 | JOY B |
| 0568 | S/C Bus C&DH & SSR Integration_SUMM | 18* | 31AUG04 | 24SEP04 | JOY B |
| 1300 | S/C Bus TT&C Integration-SUMM | 13* | 27SEP04 | 14OCT04 | JOY B |
| 1303 | S/C Bus Propulsion Subsystem Integration-SUMM | 5* | 13OCT04 | 19OCT04 | JOY B |
| 1297 | S/C Bus ACS Integration-SUMM | 22* | 15OCT04 | 16NOV04 | JOY B |
| 1306 | S/C Full Bus Functional Testing-SUMM | 29* | 19NOV04 | 10JAN05 | JOY B |
| 0052 | S/C Bus Ready for Observatory I&T | 0 | | 19JAN05 | JOY B |
| **GFE Deliveries to Spacecraft** | | | | | |
| **Instrument Hardware Deliveries** | | | | | |
| 1321 | LAT Flight Connectors Delivery to Spectrum | 1 | 01AUG03* | 01AUG03 | JOY B |
| 1324 | GBM Flight Connectors Delivery to Spectrum | 1 | 01AUG03* | 01AUG03 | JOY B |
| 1327 | GBM Thermal/Mass Mods(Physical)Delv to Spectrum | 1 | 20JAN04* | 20JAN04 | JOY B |
| 1330 | LAT Instrument S/C Simulator Delv to Spectrum | 1 | 19FEB04* | 19FEB04 | JOY B |
| 1333 | GBM Instrument S/C Simulator Delv to Spectrum | 1 | 19FEB04* | 19FEB04 | JOY B |
| 1336 | GBM Power Supply Load Simulator Delv to Spectrum | 1 | 19FEB04* | 19FEB04 | JOY B |
| 1339 | GBM Delivery To Spectrum | 1 | 17AUG05 | 17AUG05 | JOY B |
| 1342 | GBM GSE Delivery to Spectrum | 1 | 17AUG05 | 17AUG05 | JOY B |
| 1345 | LAT Delivery to Spectrum | 1 | 03SEP05 | 03SEP05 | JOY B |
| 1348 | LAT GSE Delivery to Spectrum | 1 | 03SEP05 | 03SEP05 | JOY B |
| **Instrument Inputs to Documentation** | | | | | |
| 1351 | LAT Final Inputs to LAT ICD | 1 | 03FEB03* | 03FEB03 | JOY B |
| 1354 | GBM Final Inputs to GBM ICD | 1 | 03FEB03* | 03FEB03 | JOY B |
| 1357 | LAT Safety Input to LV Doc Prelim | 1 | 17SEP03* | 17SEP03 | JOY B |
| 1360 | LAT Safety Input to LV Doc Final | 1 | 18MAY05* | 18MAY05 | JOY B |
| **Instrument Thermal Math Models** | | | | | |
| 1363 | PDR Version of LAT Thermal Math Model | 1 | 23DEC02A | 23DEC02A | JOY B |
| 1366 | PDR Version of GBM Thermal Math Model | 1 | 14JAN03A | 14JAN03A | JOY B |
| 1369 | CDR Version of LAT Thermal Math Model | 1 | 17SEP03* | 17SEP03 | JOY B |
| 1372 | CDR Version of GBM Thermal Math Model | 1 | 17SEP03* | 17SEP03 | JOY B |
| 1375 | Test Validated Version of LAT Thermal Math Model | 1 | 29JUN06* | 29JUN06 | JOY B |
| 1378 | Test Validated Version of GBM Thermal Math Model | 1 | 29JUN06* | 29JUN06 | JOY B |
| **Instrument Finite Element Models** | | | | | |
| 1384 | PDR Version of GBM Finite Element Model | 1 | 19DEC02A | 19DEC02A | JOY B |
| 1381 | PDR Version of LAT Finite Element Model | 1 | 13JAN03A | 13JAN03A | JOY B |
| 1387 | CDR Version of LAT Finite Element Model | 1 | 16JUN03* | 16JUN03 | JOY B |
| 1390 | CDR Version of GBM Finite Element Model | 1 | 16JUN03* | 16JUN03 | JOY B |
| 1393 | Observatory-Level Sine Sweep Test Input | 1 | 19MAR04* | 19MAR04 | JOY B |
| 1396 | Correlated LAT Finite Element Model | 1 | 15JUN05* | 15JUN05 | JOY B |
| 1399 | Correlated GBM Finite Element Model | 1 | 15JUN05* | 15JUN05 | JOY B |
| **Instrument CAD Models** | | | | | |
| 1402 | SRR Version of LAT STEP | 1 | 18OCT02A | 18OCT02A | JOY B |



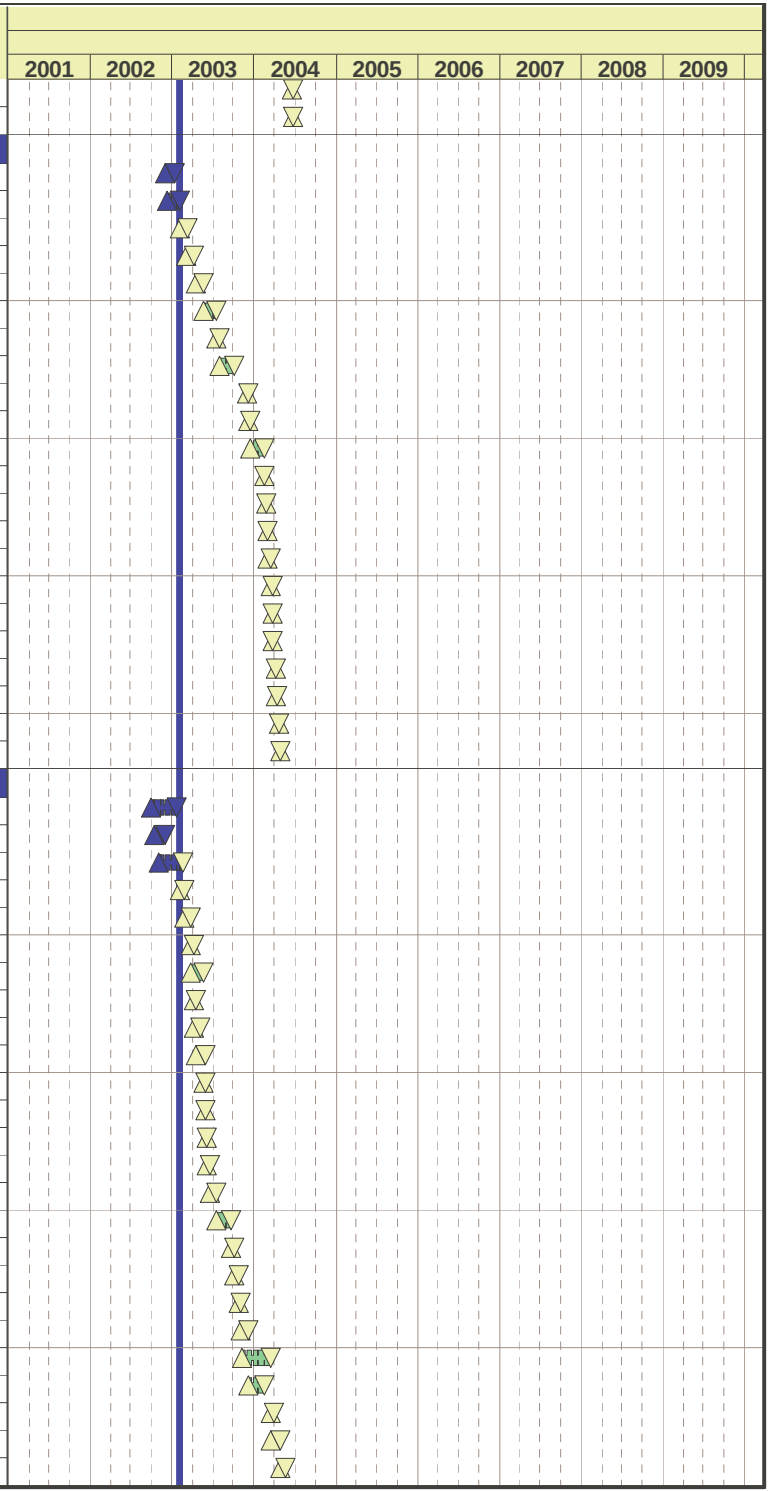
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 1405 | PDR Version of LAT STEP | 1 | 03FEB03* | 03FEB03 | JOY B |
| 1408 | CDR Version of LAT STEP | 1 | 17SEP03* | 17SEP03 | JOY B |
| **Instrument Support & Miscellaneous** | | | | | |
| 1411 | LAT Mass Simulator Information | 1 | 17SEP03* | 17SEP03 | JOY B |
| 1414 | LAT Support to Develop Obs Test Procedures | 1 | 18MAY05* | 18MAY05 | JOY B |
| 1417 | GBM Support to Develop Obs Test Procedures | 1 | 18MAY05* | 18MAY05 | JOY B |
| 1420 | LAT Instrument I&T and Launch Support | 1 | 18JUL05* | 18JUL05 | JOY B |
| 1423 | GBM Instrument I&T and Launch Support | 1 | 18JUL05* | 18JUL05 | JOY B |
| 1426 | GBM Radiation Source Survey | 1 | 01AUG05* | 01AUG05 | JOY B |
| 1429 | Re-assy/Checkout GBM GSE After Shipment #1 | 1 | 15AUG05* | 15AUG05 | JOY B |
| 1432 | LAT Radiation Source Survey | 1 | 01SEP05* | 01SEP05 | JOY B |
| 1435 | Re-assy/Checkout LAT GSE After Shipment #1 | 1 | 15SEP05* | 15SEP05 | JOY B |
| 1438 | Re-assy/Checkout GBM GSE After Shipment #2 | 1 | 15AUG06* | 15AUG06 | JOY B |
| 1441 | Re-assy/Checkout LAT GSE After Shipment #2 | 1 | 15AUG06* | 15AUG06 | JOY B |
| 1444 | Return Shipment of LAT & GBM GSE (Post-Launch) | 1 | 16OCT06* | 16OCT06 | JOY B |
| **Launch Vehicle Deliveries** | | | | | |
| 1447 | LV Coupled Loads Analysis Results (Prelim) | 1 | 18FEB03* | 18FEB03 | JOY B |
| 1450 | LV Drill Template | 1 | 17JUL03* | 17JUL03 | JOY B |
| 1453 | GSE PAF | 1 | 17JUL03* | 17JUL03 | JOY B |
| 1456 | LV Mating Connectors | 1 | 15AUG03* | 15AUG03 | JOY B |
| 1459 | LV Coupled Loads Analysis Results (Final) | 1 | 15OCT03* | 15OCT03 | JOY B |
| 1462 | LV Test PAF - Deliv 1 | 1 | 20JAN04* | 20JAN04 | JOY B |
| 1465 | LV Test PAF - Deliv 2 | 1 | 27SEP05* | 27SEP05 | JOY B |
| 1468 | LV Flight PAF | 1 | 27SEP05* | 27SEP05 | JOY B |
| 1471 | LV Coupled Loads Analysis Results (Correlated) | 1 | 17OCT05* | 17OCT05 | JOY B |
| 1474 | Launch Vehicle | 1 | 29AUG06* | 29AUG06 | JOY B |
| **NASA Support & Facilities** | | | | | |
| 1477 | NASA Authorization - Uplink/Downlink Freq's | 1 | 01APR03* | 01APR03 | JOY B |
| 1480 | Definition of X-Band Center Frequency | 1 | 01MAY03* | 01MAY03 | JOY B |
| 1483 | TURFTS | 1 | 01APR04* | 01APR04 | JOY B |
| 1486 | TDRSS Ranging Services | 1 | 15JUN04* | 15JUN04 | JOY B |
| 1492 | Use of NASA GN to Support ETE/On-Orbit Ops | 1 | 01OCT04* | 01OCT04 | JOY B |
| 1495 | Ground Com Links Connecting to Facilities | 1 | 01OCT04* | 01OCT04 | JOY B |
| 1537 | Use of NASA SN to Support ETE/On-Orbit Ops | 1 | 01OCT04* | 01OCT04 | JOY B |
| 1489 | NASA Ground Station Compatibility Equipment | 1 | 04OCT04* | 04OCT04 | JOY B |
| 1498 | Ground Systems Training (Gov Provided MOC) | 1 | 29SEP05* | 29SEP05 | JOY B |
| 1501 | Obs Processing Facilities at the Launch Site | 1 | 28JUL06* | 28JUL06 | JOY B |
| 1504 | Mission Operations Team | 1 | 29SEP06* | 29SEP06 | JOY B |
| **Spacecraft Systems Engineering** | | | | | |
| **PEER Reviews With Customer** | | | | | |
| 1507 | Systems Engineering PEER Review | 2 | 06AUG03* | 07AUG03 | JOY B |
| 1513 | GN&C PEER Review | 2 | 11AUG03 | 12AUG03 | JOY B |
| 1516 | Structures/MGSE PEER Review | 1 | 13AUG03 | 13AUG03 | JOY B |
| 1519 | Thermal PEER Review | 1 | 14AUG03 | 14AUG03 | JOY B |
| 1522 | EPS PEER Review | 2 | 15AUG03 | 18AUG03 | JOY B |
| 1525 | TT&C PEER Review | 1 | 19AUG03 | 19AUG03 | JOY B |
| 1528 | EGSE/ SIM PEER Review | 1 | 20AUG03 | 20AUG03 | JOY B |
| 1531 | C&DH PEER Review | 2 | 21AUG03 | 22AUG03 | JOY B |
| 1534 | FSW PEER Review | 1 | 25AUG03 | 25AUG03 | JOY B |
| 1510 | Propulsion PEER Review | 1 | 15OCT03* | 15OCT03 | JOY B |



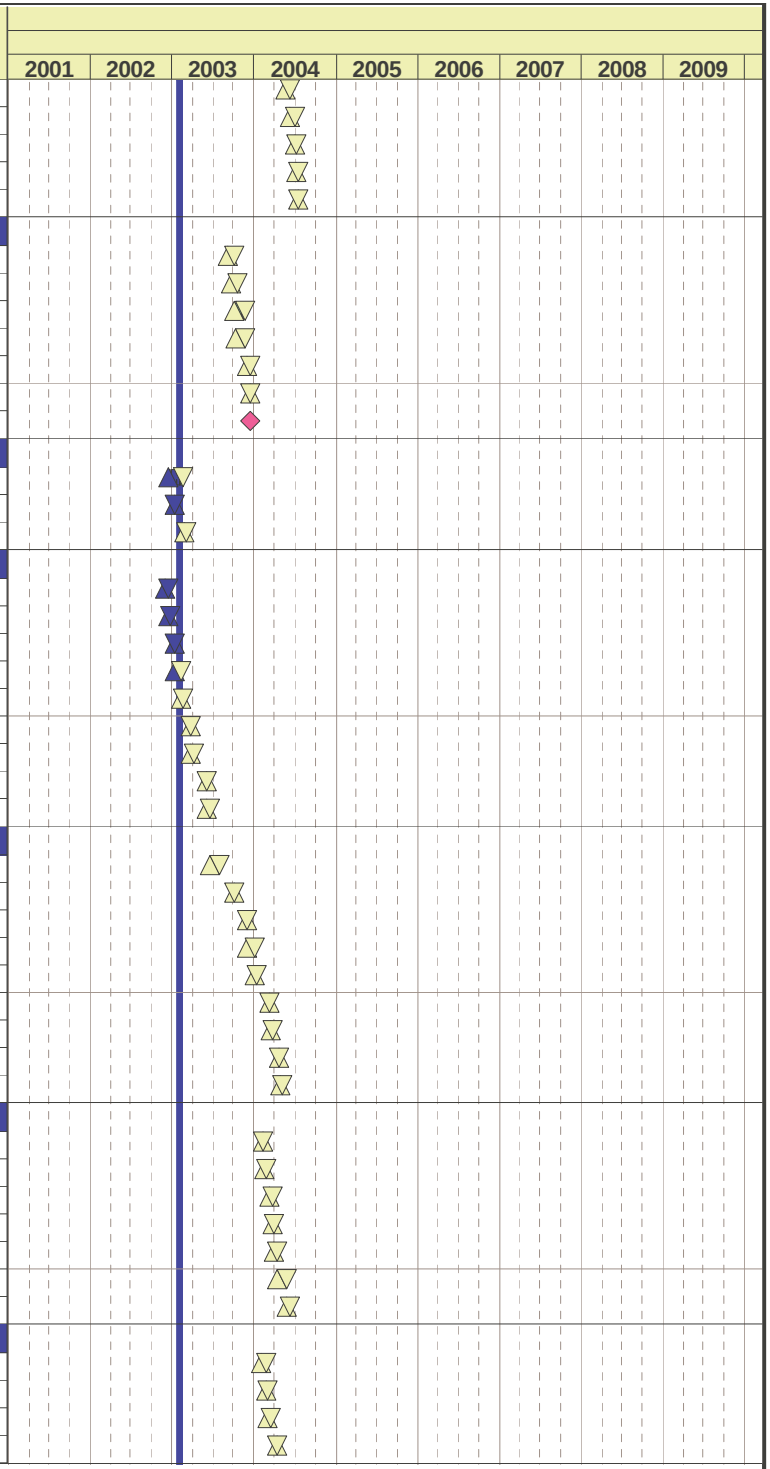
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **Instrument Interface DID2-LAT ICD** | | | | | |
| 1536 | Produce Draft LAT ICD | 47* | 30SEP02A | 06DEC02A | JOY B |
| 1538 | Iterate ICD with SLAC | 33* | 09DEC02A | 03FEB03 | JOY B |
| 1542 | Pre-Delivery Review | 19 | 04FEB03 | 03MAR03 | JOY B |
| 1544 | Submit Preliminary LAT ICD | 1 | 03MAR03 | 03MAR03 | JOY B |
| 1546 | Incorporate Revisions to Preliminary LAT ICD | 20 | 04MAR03 | 31MAR03 | JOY B |
| 1548 | Final Review & Signature on LAT ICD | 15 | 01APR03 | 21APR03 | JOY B |
| 1550 | Final Doc Control Activities | 5 | 22APR03 | 28APR03 | JOY B |
| 1552 | Submit Final LAT ICD | 1 | 28APR03 | 28APR03 | JOY B |
| **Instrument Interface DID2-GBM ICD** | | | | | |
| 1554 | Produce Draft GBM ICD | 61* | 09SEP02A | 05DEC02A | JOY B |
| 1556 | Iterate GBM ICD with MSFC | 34* | 06DEC02A | 03FEB03 | JOY B |
| 1558 | GBM ICD Pre-Delivery Review | 19 | 04FEB03 | 03MAR03 | JOY B |
| 1560 | Submit Preliminary GBM ICD | 1 | 03MAR03 | 03MAR03 | JOY B |
| 1562 | Incorporate Revisions to Preliminary GBM ICD | 20 | 04MAR03 | 31MAR03 | JOY B |
| 1564 | Final Review & Signature on GBM ICD | 15 | 01APR03 | 21APR03 | JOY B |
| 1566 | Final Doc Control Activities | 5 | 22APR03 | 28APR03 | JOY B |
| 1568 | Submit Final GBM ICD | 1 | 28APR03 | 28APR03 | JOY B |
| **DID-P-Obs Contamination/Cleanliness Control Plan** | | | | | |
| 1570 | Produce Draft Observatory CCP | 11 | 09DEC02A | 23DEC02A | JOY B |
| 1572 | Review Draft Observatory CCP | 4 | 23DEC02A | 07JAN03A | JOY B |
| 1574 | Incorporate Revisions to Observatory CCP | 5 | 03FEB03 | 07FEB03 | JOY B |
| 1576 | Final Review & Signatures on Initial CCP | 5 | 10FEB03 | 14FEB03 | JOY B |
| 1578 | Submit Observatory CCP-Initial | 1 | 14FEB03 | 14FEB03 | JOY B |
| 1580 | Incorporate Revisions to Observatory CCP | 60 | 16JUN03* | 09SEP03 | JOY B |
| 1582 | Final Review & Signatures on Final CCP | 15 | 10SEP03 | 30SEP03 | JOY B |
| 1584 | Submit Observatory CCP-Final | 1 | 30SEP03 | 30SEP03 | JOY B |
| **Spacecraft Structure & Mechanisms (SMS)** | | | | | |
| **Spacecraft SMS Optical Bench** | | | | | |
| 1586 | Optical Bench Preliminary Design | 58 | 01MAY03* | 23JUL03 | JOY B |
| 1588 | Optical Bench Detail Design | 58 | 24JUL03 | 15OCT03 | JOY B |
| 1590 | Complete Optical Bench Part Drawings | 10 | 16OCT03 | 29OCT03 | JOY B |
| 1592 | Fabricate Parts for Optical Bench | 41 | 30OCT03 | 07JAN04 | JOY B |
| 1594 | Complete Optical Bench Assy Drawings | 28 | 08JAN04 | 18FEB04 | JOY B |
| 1596 | Assemble Optical Bench | 15 | 19FEB04 | 10MAR04 | JOY B |
| 1598 | Optical Bench Delivery to Flight Structure Assy | 1 | 24MAR04 | 24MAR04 | JOY B |
| **Spacecraft SMS Flight Structure** | | | | | |
| 1604 | Complete/Finalize Flight Structure Bus Config | 9 | 17NOV03* | 28NOV03 | JOY B |
| 1606 | Complete Primary Structure Drawings | 10 | 01DEC03 | 12DEC03 | JOY B |
| 1608 | Complete Secondary Structure Drawings | 10 | 01DEC03 | 12DEC03 | JOY B |
| 1610 | Complete Flight Structure Mass Model Drawings | 8 | 15DEC03 | 02JAN04 | JOY B |
| 1612 | Complete Flight Structure Top-Level Assy Drws | 32 | 15DEC03 | 06FEB04 | JOY B |
| 1614 | Fabricate Primary Structure Parts | 41 | 15DEC03 | 20FEB04 | JOY B |
| 1616 | Fabricate Secondary Structure Parts | 41* | 15DEC03 | 20FEB04 | JOY B |
| 1618 | Fabricate Mass Models | 40 | 05JAN04 | 02MAR04 | JOY B |
| 1620 | Assemble/Integrate Primary Structure | 15 | 23FEB04 | 12MAR04 | JOY B |
| 1622 | Assemble/Integrate Secondary Structure | 15 | 15MAR04 | 02APR04 | JOY B |
| 1624 | Assemble Mass Models | 5 | 05APR04 | 09APR04 | JOY B |
| 1626 | S/C Structural Qual Testing | 43 | 12APR04 | 10JUN04 | JOY B |
| 1628 | Remove Mass Models | 5 | 11JUN04 | 17JUN04 | JOY B |



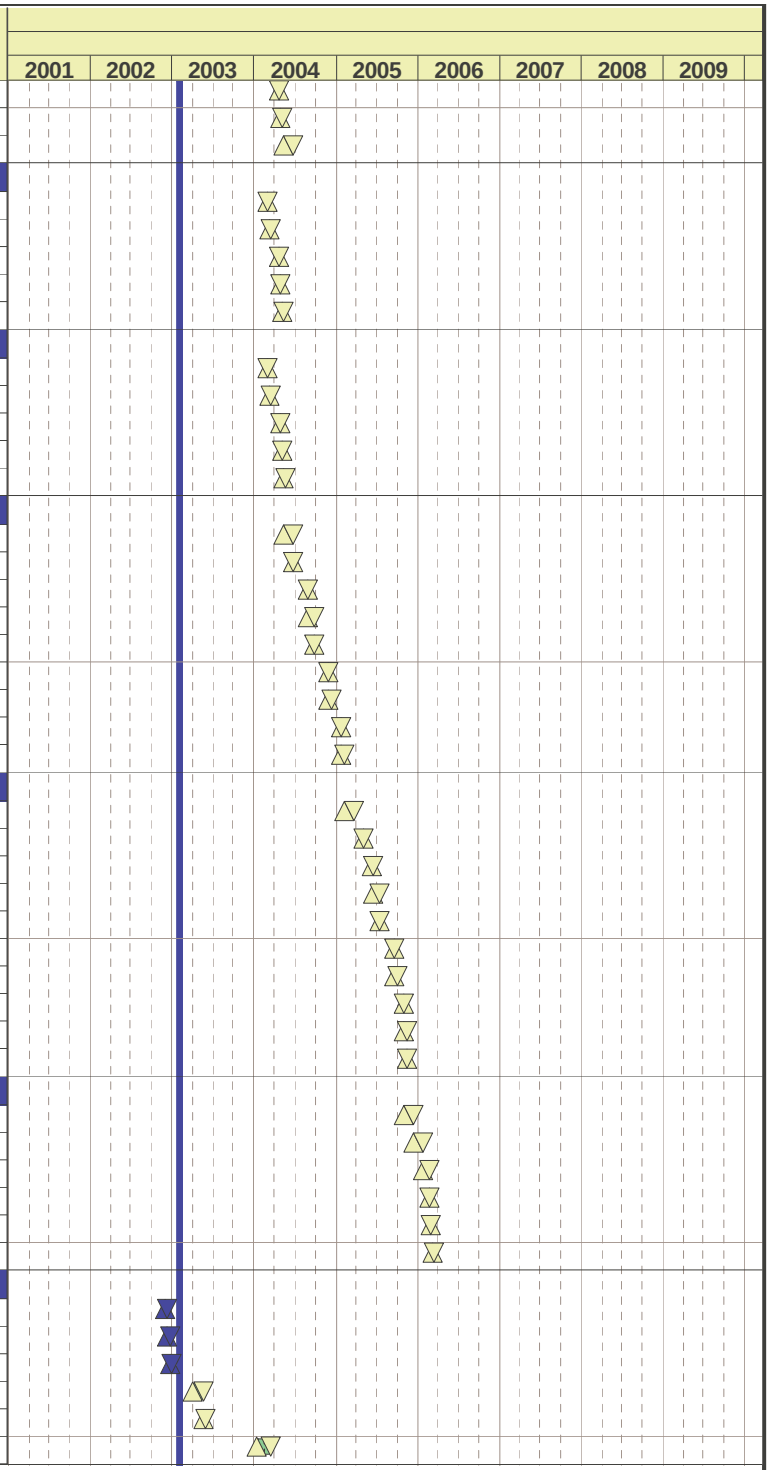
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 1634 | Remove Prop Module | 5 | 18JUN04 | 24JUN04 | JOY B |
| 1636 | Ship Prop Module to Vendor | 1 | 25JUN04 | 25JUN04 | JOY B |
| **S/C SMS Mechanisms X-Band Antenna Boom** | | | | | |
| 1641 | Develop X-Band Antenna Boom ICD | 23 | 03DEC02A | 13JAN03A | JOY B |
| 1644 | X-Band Antenna Boom Preliminary Design | 31 | 10DEC02A | 31JAN03A | JOY B |
| 1647 | X-Band Antenna Boom Preliminary Analysis | 29 | 03FEB03 | 14MAR03 | JOY B |
| 1650 | X-Band Antenna Boom Detailed Design | 30 | 03MAR03* | 11APR03 | JOY B |
| 1653 | X-Band Antenna Boom Parts/Assy Analysis | 29 | 14APR03 | 22MAY03 | JOY B |
| 1656 | X-Band Antenna Boom Release Hinge & R&R Drws | 39 | 23MAY03 | 18JUL03 | JOY B |
| 1662 | X-Band Antenna Boom Release Assy Drawings | 10 | 21JUL03 | 01AUG03 | JOY B |
| 1665 | X-Band Antenna Boom Procure Hinge, R&R Parts | 45 | 04AUG03 | 06OCT03 | JOY B |
| 1671 | X-Band Antenna Boom Assem Mechs to Test Booms | 3 | 03DEC03 | 05DEC03 | JOY B |
| 1674 | X-Band Antenna Boom Torque Tests on Hinge Assys | 5 | 08DEC03 | 12DEC03 | JOY B |
| 1677 | X-Band Antenna Boom Procurement | 38 | 15DEC03 | 17FEB04 | JOY B |
| 1680 | X-Band Antenna Boom Assem Mechanism Brackets | 3 | 18FEB04 | 20FEB04 | JOY B |
| 1683 | X-Band Antenna Boom Thermal Vac Test | 5 | 23FEB04 | 27FEB04 | JOY B |
| 1686 | X-Band Antenna Boom Static Test | 3 | 01MAR04 | 03MAR04 | JOY B |
| 1689 | X-Band Antenna Boom Assy/Mechs w/Mass Models | 10 | 04MAR04 | 17MAR04 | JOY B |
| 1692 | X-Band Antenna Boom Full Deployment Test #1 | 3 | 18MAR04 | 22MAR04 | JOY B |
| 1695 | X-Band Antenna Boom Install to Flight Structure | 1 | 23MAR04 | 23MAR04 | JOY B |
| 1698 | X-Band Antenna Boom First Motion w/Flight Struct | 1 | 24MAR04 | 24MAR04 | JOY B |
| 1701 | X-Band Antenna Boom Rec Gimbal/Antenna | 1 | 06APR04 | 06APR04 | JOY B |
| 1704 | X-Band Antenna Boom Assem Gimbal/Antenna | 8 | 07APR04 | 16APR04 | JOY B |
| 1707 | X-Band Antenna Boom Full Deployment Test #2 | 5 | 19APR04 | 23APR04 | JOY B |
| 1710 | X-Band Antenna Boom Ready for I&T | 1 | 26APR04 | 26APR04 | JOY B |
| **S/C SMS Mechanisms Flight Solar Array** | | | | | |
| 1716 | Flight Solar Array Preliminary Design | 69 | 01OCT02A | 17JAN03A | JOY B |
| 2061 | Flight Solar Array Preliminary Analysis | 35 | 15OCT02A | 29NOV02A | JOY B |
| 1713 | Develop Flight Solar Array ICD | 69* | 04NOV02A | 21FEB03 | JOY B |
| 2376 | Flight Solar Array Hinge Parts Analysis | 15 | 03FEB03* | 24FEB03 | JOY B |
| 1725 | Flight Solar Array Release Root Hinge & R&R Drws | 20 | 25FEB03 | 24MAR03 | JOY B |
| 1728 | Flight Solar Array Release Hinge/R&R Test Setup | 10 | 25MAR03 | 07APR03 | JOY B |
| 1731 | Flight Solar Array Procure Root Hinge R&R Parts | 40 | 25MAR03 | 19MAY03 | JOY B |
| 1746 | Flight Solar Array Release Yoke Coupon Drawings | 5 | 08APR03 | 14APR03 | JOY B |
| 1734 | Flight Solar Array Procure Hinge/R&R Test Setup | 20 | 08APR03 | 05MAY03 | JOY B |
| 1749 | Flight Solar Array Build Yoke Coupons | 30 | 15APR03 | 27MAY03 | JOY B |
| 1737 | Flight Solar Array Build Root Hinge & RR Stack | 5 | 20MAY03 | 27MAY03 | JOY B |
| 1752 | Flight Solar Arrays Test Yoke Coupons | 3 | 28MAY03 | 30MAY03 | JOY B |
| 1740 | Flight Solar Array Build Test Setup | 3 | 04JUN03 | 06JUN03 | JOY B |
| 1743 | Flight Solar Array Functional Tests | 10 | 09JUN03 | 20JUN03 | JOY B |
| 1755 | Release Flight Solar Array Assy Drawings | 20 | 23JUN03 | 21JUL03 | JOY B |
| 1758 | Procure Parts for One Wing of Flight SAs | 45 | 22JUL03 | 23SEP03 | JOY B |
| 2379 | Build Mechanisms for Flight SAs (One Wing) | 10 | 24SEP03 | 07OCT03 | JOY B |
| 2514 | Build Flight Solar Array with Test Panels | 15 | 08OCT03 | 29OCT03 | JOY B |
| 2517 | Perform Kinematic Tests on Flight SAs | 5 | 30OCT03 | 05NOV03 | JOY B |
| 2535 | Update Flight SA Drawings | 20 | 06NOV03 | 05DEC03 | JOY B |
| 2544 | Procure Flight Solar Array Substrates | 80 | 11NOV03* | 15MAR04 | JOY B |
| 2547 | Procure 2nd Set of Flight SA Mechanisms | 45 | 08DEC03 | 19FEB04 | JOY B |
| 1764 | Build Yoke for Flight Solar Arrays | 10 | 16MAR04 | 29MAR04 | JOY B |
| 1761 | Attach Fittings to Substrates for Flight SAs | 30 | 19MAR04 | 29APR04 | JOY B |
| 1767 | Flight Solar Arrays Thermal Vac Test | 15 | 30APR04 | 20MAY04 | JOY B |



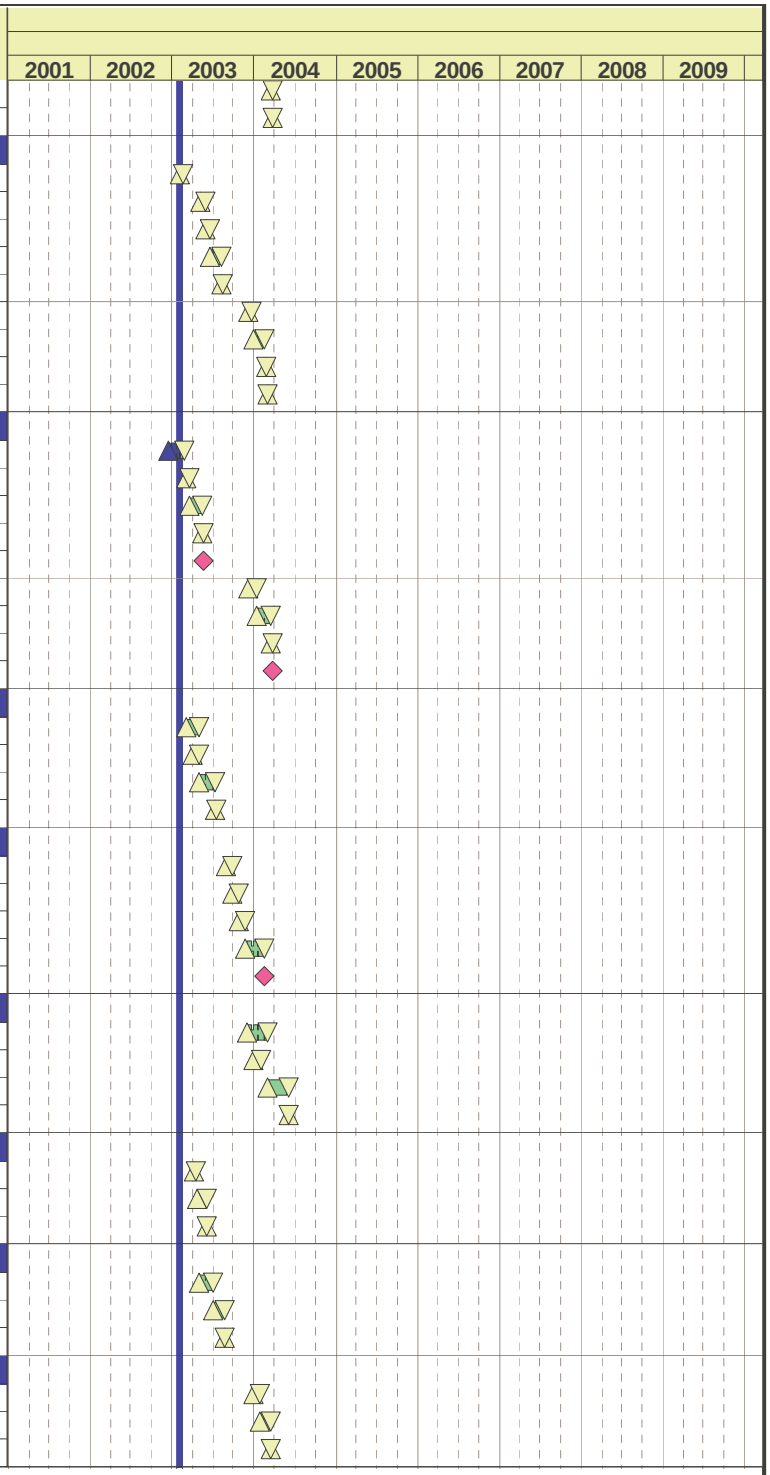
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 1770 | Flight SAs Static Test of Panels & Yoke | 15 | 21MAY04 | 11JUN04 | JOY B |
| 1773 | Assemble Flight Solar Array | 13 | 14JUN04 | 30JUN04 | JOY B |
| 1776 | Flight Solar Array Full Deployment Test | 4 | 01JUL04 | 07JUL04 | JOY B |
| 1779 | Disassemble Flight Solar Array | 5 | 08JUL04 | 14JUL04 | JOY B |
| 1782 | Deliver Flight Solar Array Panels to Cell Vendor | 1 | 15JUL04 | 15JUL04 | JOY B |
| **Spacecraft SMS Cable Mock-Up** | | | | | |
| 1785 | Develop CM Structure Design | 22 | 03SEP03* | 02OCT03 | JOY B |
| 1788 | Develop CM Comp Mockup Designs | 19 | 19SEP03 | 16OCT03 | JOY B |
| 1791 | Fab Structure Components for Cable Mockup | 37 | 03OCT03 | 26NOV03 | JOY B |
| 1794 | Fab Component Mockups for Cable Mockup | 33 | 09OCT03* | 26NOV03 | JOY B |
| 1797 | Assemble Cable Mockup | 10 | 28NOV03 | 11DEC03 | JOY B |
| 1800 | Install Components for Cable Mockup | 5 | 12DEC03 | 18DEC03 | JOY B |
| 1803 | Cable Mockup Complete | 0 | | 18DEC03 | JOY B |
| **S/C Structural Analysis PDR Thermal Distortion** | | | | | |
| 1809 | Perform Distortion Analysis | 38* | 19DEC02A | 21FEB03 | JOY B |
| 1806 | Get Temps from Thermal | 1 | 15JAN03A | 15JAN03A | JOY B |
| 1812 | Document Results for PDR | 10 | 24FEB03 | 07MAR03 | JOY B |
| **S/C Structural Analysis Early CLA Cycle** | | | | | |
| 1815 | Prepare BUS FEM @ S/C | 10 | 02DEC02A | 13DEC02A | JOY B |
| 1821 | S/C Receive GBM FEM from GSFC | 1 | 19DEC02A | 19DEC02A | JOY B |
| 1818 | S/C Receive LAT FEM from GSFC | 1 | 13JAN03A | 13JAN03A | JOY B |
| 1824 | S/C Develop Observatory FEM/CB & LTM | 22* | 14JAN03A | 13FEB03 | JOY B |
| 1827 | S/C Submit Obs CB/LTM to GSFC Contracts | 1 | 14FEB03 | 14FEB03 | JOY B |
| 1830 | S/C Receive Preliminary CLA Report from KSC | 1 | 25MAR03* | 25MAR03 | JOY B |
| 1833 | S/C Create Preliminary CLA Report | 10 | 26MAR03 | 08APR03 | JOY B |
| 1836 | S/C Receive Detailed CLA Results from KSC | 1 | 04JUN03 | 04JUN03 | JOY B |
| 1839 | S/C Update CLA Report | 10 | 05JUN03 | 18JUN03 | JOY B |
| **S/C Stuctural Analysis CLA Cycle 1** | | | | | |
| 1842 | Update S/C Model to PDR-Level Design | 30 | 19JUN03 | 31JUL03 | JOY B |
| 1845 | S/C Receive LAT CB Mod & LTM from GSFC Contracts | 1 | 06OCT03 | 06OCT03 | JOY B |
| 1848 | S/C Receive GBM FEM from GSFC | 1 | 01DEC03 | 01DEC03 | JOY B |
| 1851 | S/C Develop Observatory CB/LTM | 21 | 02DEC03 | 08JAN04 | JOY B |
| 1854 | S/C Submit Obs CB/LTM to GSFC Contracts | 1 | 09JAN04 | 09JAN04 | JOY B |
| 1857 | S/C Receive Preliminary CLA Report from KSC | 1 | 12MAR04 | 12MAR04 | JOY B |
| 1860 | S/C Create Preliminary CLA Report | 10 | 15MAR04 | 26MAR04 | JOY B |
| 1863 | S/C Receive Detailed CLA Results from KSC | 1 | 23APR04 | 23APR04 | JOY B |
| 1866 | S/C Update CLA Report | 10 | 26APR04 | 07MAY04 | JOY B |
| **S/C Structural Analysis Opt Bench Testing Supt** | | | | | |
| 1869 | Create S/C Optical Bench Test Plan | 5 | 09FEB04* | 13FEB04 | JOY B |
| 1872 | Create S/C Optical Bench Test Procedure | 9 | 17FEB04 | 27FEB04 | JOY B |
| 1875 | Conduct S/C Optical Bench Tests | 10 | 11MAR04 | 24MAR04 | JOY B |
| 1878 | S/C Optical Bench Tests Quick Look Results | 5 | 25MAR04 | 31MAR04 | JOY B |
| 1881 | S/C Optical Bench Test Report | 10 | 01APR04 | 14APR04 | JOY B |
| 1884 | S/C Opt Bench Test Correlated Distortion Anlys | 30 | 15APR04 | 26MAY04 | JOY B |
| 1887 | Document Results of S/C Optical Bench Tests | 10 | 27MAY04 | 10JUN04 | JOY B |
| **S/C Structural Analysis Modal Test Support** | | | | | |
| 1890 | S/C Modal Pre-Test Analysis | 15 | 02FEB04* | 23FEB04 | JOY B |
| 1893 | Create S/C Modal Test Plan | 5 | 24FEB04 | 01MAR04 | JOY B |
| 1896 | Create S/C Modal Test Procedure | 10 | 02MAR04 | 15MAR04 | JOY B |
| 1899 | Conduct S/C Modal Tests | 5 | 12APR04 | 16APR04 | JOY B |



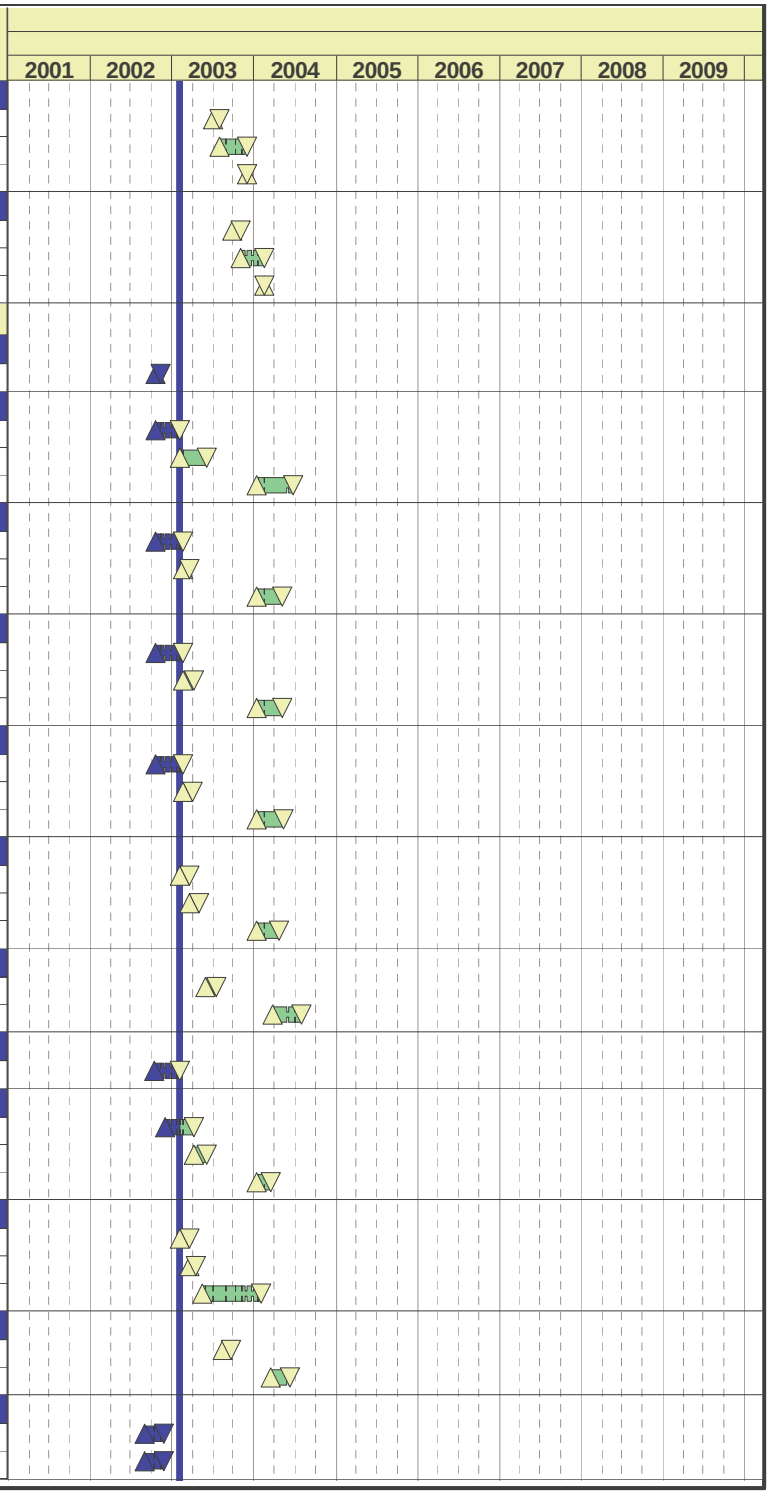
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 1902 | S/C Modal Tests Quick Look Results | 5 | 19APR04 | 23APR04 | JOY B |
| 1905 | S/C Modal Test Report | 10 | 26APR04 | 07MAY04 | JOY B |
| 1908 | S/C Modal Correlation | 30 | 10MAY04 | 21JUN04 | JOY B |
| **S/C Structural Analysis Vibe Test Support** | | | | | |
| 1911 | Create S/C Vibe Test Plan | 5 | 01MAR04* | 05MAR04 | JOY B |
| 1914 | Create S/C Vibe Test Procedure | 10 | 08MAR04 | 19MAR04 | JOY B |
| 1917 | Conduct S/C Vibe Tests | 5 | 19APR04 | 23APR04 | JOY B |
| 1920 | S/C Vibe Tests Quick Look Results | 5 | 26APR04 | 30APR04 | JOY B |
| 1923 | S/C Vibe Test Report | 10 | 03MAY04 | 14MAY04 | JOY B |
| **S/C Structural Analysis Static Test Support** | | | | | |
| 1926 | Create S/C Static Test Plan | 5 | 01MAR04* | 05MAR04 | JOY B |
| 1929 | Create S/C Static Test Procedure | 10 | 08MAR04 | 19MAR04 | JOY B |
| 1932 | Conduct S/C Static Tests | 5 | 26APR04 | 30APR04 | JOY B |
| 1935 | S/C Static Tests Quick Look Results | 5 | 03MAY04 | 07MAY04 | JOY B |
| 1938 | S/C Static Test Report | 10 | 10MAY04 | 21MAY04 | JOY B |
| **S/C Structural Analysis CLA Cycle 2** | | | | | |
| 1941 | Prepare Bus FEM @ S/C | 30 | 10MAY04 | 21JUN04 | JOY B |
| 1947 | S/C Receive GBM FEM from GSFC | 1 | 22JUN04 | 22JUN04 | JOY B |
| 1944 | S/C Receive LAT CB/LTM from GSFC | 1 | 26AUG04 | 26AUG04 | JOY B |
| 1950 | S/C Develop Observatory CB/LTM | 21 | 27AUG04 | 27SEP04 | JOY B |
| 1953 | S/C Submit Obs CB/LTM to GSFC Contracts | 1 | 28SEP04 | 28SEP04 | JOY B |
| 1956 | S/C Receive Preliminary CLA Report from KSC | 1 | 02DEC04 | 02DEC04 | JOY B |
| 1959 | S/C Create Preliminary CLA Report | 10 | 03DEC04 | 16DEC04 | JOY B |
| 1962 | S/C Receive Detailed CLA Results from KSC | 1 | 24JAN05 | 24JAN05 | JOY B |
| 1965 | S/C Update CLA Report | 10 | 25JAN05 | 07FEB05 | JOY B |
| **S/C Structural Analysis Verification CLA** | | | | | |
| 1968 | Prep Bus Test Correlated CB/LTM @ S/C | 30 | 08FEB05 | 22MAR05 | JOY B |
| 1974 | S/C Receive GBM FEM from GSFC | 1 | 03MAY05 | 03MAY05 | JOY B |
| 1971 | S/C Receive LAT CB/LTM from GSFC | 1 | 13JUN05 | 13JUN05 | JOY B |
| 1977 | S/C Develop Observatory CB/LTM | 21 | 14JUN05 | 13JUL05 | JOY B |
| 1980 | S/C Submit Obs CB/LTM to GSFC Contracts | 1 | 14JUL05 | 14JUL05 | JOY B |
| 1983 | S/C Receive Preliminary CLA Report from KSC | 1 | 15SEP05 | 15SEP05 | JOY B |
| 1986 | S/C Create Preliminary CLA Report | 10 | 16SEP05 | 29SEP05 | JOY B |
| 1989 | S/C Receive Detailed CLA Results from KSC | 1 | 28OCT05 | 28OCT05 | JOY B |
| 1992 | S/C Update CLA Report | 10 | 31OCT05 | 14NOV05 | JOY B |
| 2130 | Deliver Final VLC Report to GSFC Contracts | 1 | 15NOV05 | 15NOV05 | JOY B |
| **S/C Structural Analysis Obs Environ Test Support** | | | | | |
| 1995 | Create Obs Environmental Test Plan | 28 | 02NOV05* | 13DEC05 | JOY B |
| 1998 | Create Obs Environmental Test Procedure | 22 | 14DEC05 | 24JAN06 | JOY B |
| 2001 | Conduct Obs Environmental Tests | 21 | 25JAN06 | 23FEB06 | JOY B |
| 2004 | Structural Environmentals Complete | 1 | 24FEB06 | 24FEB06 | JOY B |
| 2007 | Obs Environmental Test Quick Look Results | 5 | 27FEB06 | 03MAR06 | JOY B |
| 2010 | Obs Environmental Test Report | 10 | 06MAR06 | 17MAR06 | JOY B |
| **S/C SMS PDU Chassis** | | | | | |
| 2013 | Assess PDU Chassis Changes | 5 | 03DEC02A | 09DEC02A | JOY B |
| 2016 | Update PDU Chassis Design | 8 | 10DEC02A | 19DEC02A | JOY B |
| 2019 | Complete PDU Chassis Drawings | 8 | 20DEC02A | 31DEC02A | JOY B |
| 2022 | Procure Main PDU Chassis EM Parts | 37 | 01APR03* | 21MAY03 | JOY B |
| 2025 | Assemble PDU EM Chassis | 5 | 22MAY03 | 29MAY03 | JOY B |
| 2028 | Procure Flight PDU Parts | 40 | 16JAN04 | 15MAR04 | JOY B |



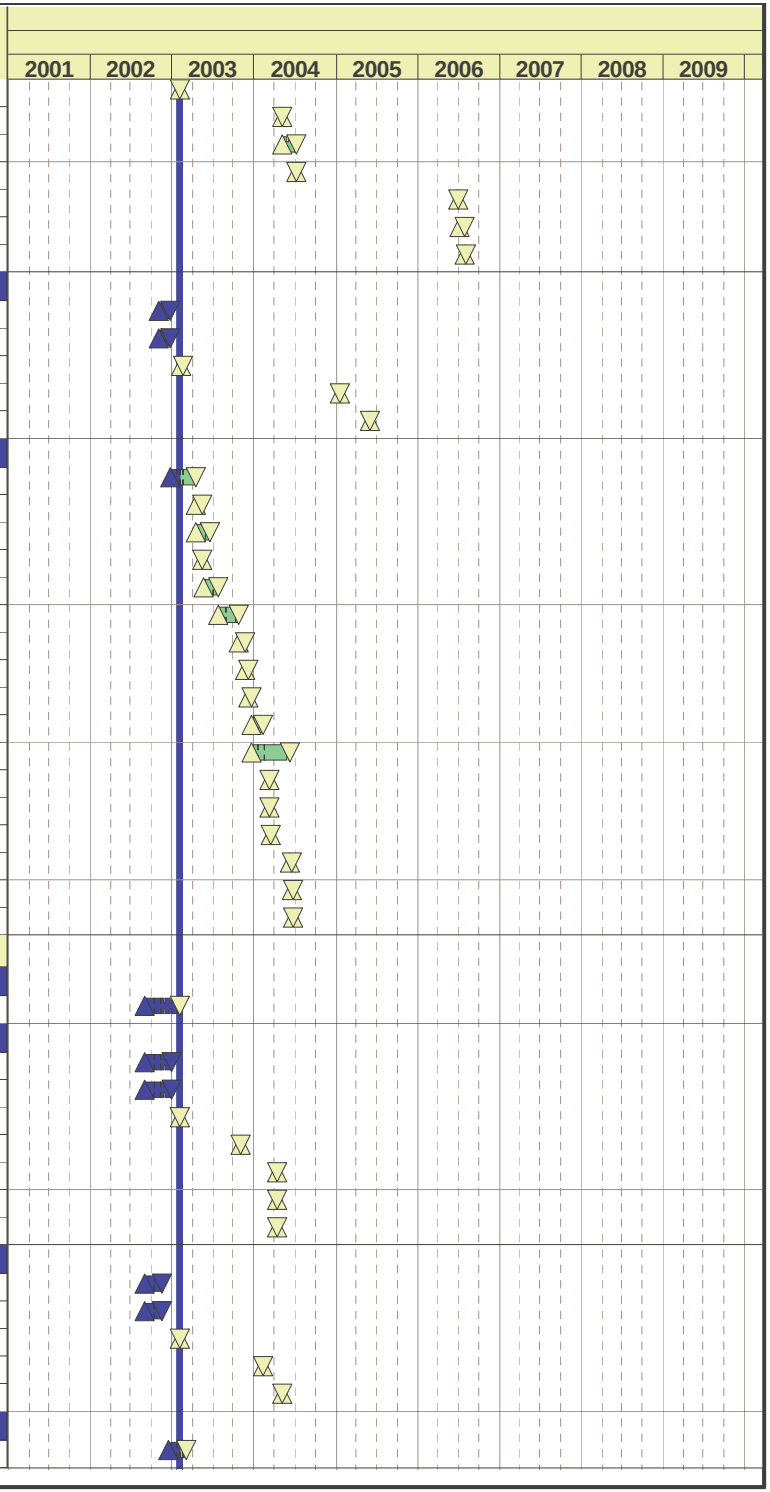
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 2031 | Assemble Flight PDU Chassis | 5 | 16MAR04 | 22MAR04 | JOY B |
| 2034 | PDU Flight Chassis Ready | 1 | 23MAR04 | 23MAR04 | JOY B |
| **S/C SMS PRU Chassis** | | | | | |
| 2037 | PRU Chassis Preliminary Design | 14 | 03FEB03* | 21FEB03 | JOY B |
| 2040 | PRU Chassis Detail Design | 14 | 08MAY03* | 28MAY03 | JOY B |
| 2043 | Complete PRU Chassis Drawings | 15 | 29MAY03 | 18JUN03 | JOY B |
| 2046 | Procure Main PRU Chassis EM Parts | 34 | 19JUN03 | 06AUG03 | JOY B |
| 2049 | Assemble PRU EM Chassis | 5 | 07AUG03 | 13AUG03 | JOY B |
| 2133 | Complete PRU Chassis Final Design | 12 | 08DEC03* | 23DEC03 | JOY B |
| 2052 | Procure Flight PRU Parts | 34 | 02JAN04 | 20FEB04 | JOY B |
| 2055 | Assemble Flight PRU Chassis | 5 | 23FEB04 | 27FEB04 | JOY B |
| 2058 | PRU Flight Chassis Ready | 1 | 01MAR04 | 01MAR04 | JOY B |
| **S/C SMS IEM Chassis** | | | | | |
| 2064 | IEM Chassis Detail Design Changes | 46* | 16DEC02A | 28FEB03 | JOY B |
| 2067 | Complete IEM Chassis Drawings | 14 | 03MAR03* | 20MAR03 | JOY B |
| 2070 | Procure IEM Chassis EM Parts | 40 | 21MAR03 | 15MAY03 | JOY B |
| 2073 | Assemble IEM EM Chassis | 5 | 16MAY03 | 22MAY03 | JOY B |
| 2076 | IEM EM Chassis Ready | 0 | | 22MAY03 | JOY B |
| 2079 | Complete Final Flight IEM Chassis Design | 22 | 08DEC03 | 15JAN04 | JOY B |
| 2089 | Procure Flight IEM Chassis Parts | 40 | 16JAN04 | 15MAR04 | JOY B |
| 2082 | Assemble Flight IEM Chassis | 7 | 16MAR04 | 24MAR04 | JOY B |
| 2085 | Flight IEM Chassis Ready | 0 | | 24MAR04 | JOY B |
| **S/C SMS Mechanical GSE (Frame Tooling)** | | | | | |
| 2088 | Design Integration Stand/Dolly | 43 | 03MAR03* | 30APR03 | JOY B |
| 2091 | Analyze Integration Stand/Dolly | 22 | 01APR03 | 30APR03 | JOY B |
| 2094 | Procure Integration Stand/Dolly | 50 | 01MAY03 | 11JUL03 | JOY B |
| 2097 | Integration Stand/Dolly Ready | 1 | 14JUL03 | 14JUL03 | JOY B |
| **S/C SMS Mechanical GSE (Struct Tooling)** | | | | | |
| 2100 | Structure Tooling Preliminary Design | 21 | 02SEP03* | 30SEP03 | JOY B |
| 2103 | Analyze Structure Tooling | 19 | 01OCT03 | 28OCT03 | JOY B |
| 2553 | Structure Tooling Final Design | 19 | 29OCT03 | 25NOV03 | JOY B |
| 2106 | Procure Structure Tooling | 50 | 26NOV03 | 17FEB04 | JOY B |
| 2109 | Structure Tooling Ready | 0 | | 17FEB04 | JOY B |
| **S/C SMS Mechanical GSE (I&T Tooling)** | | | | | |
| 2112 | Design Rollover Fixture | 58 | 01DEC03* | 02MAR04 | JOY B |
| 2115 | Analyze Rollover Fixture | 20 | 02JAN04* | 30JAN04 | JOY B |
| 2118 | Procure Rollover Fixture | 66 | 03MAR04 | 03JUN04 | JOY B |
| 2121 | Rollover Fixture Ready | 1 | 04JUN04 | 04JUN04 | JOY B |
| **S/C SMS Mechanical GSE (Solar Array 1)** | | | | | |
| 2124 | Design Solar Array 1 MGSE | 10 | 07APR03* | 18APR03 | JOY B |
| 2127 | Procure Solar Array 1 MGSE | 30 | 21APR03 | 02JUN03 | JOY B |
| 2136 | Solar Array 1 MGSE Ready | 1 | 03JUN03 | 03JUN03 | JOY B |
| **S/C SMS Mech GSE(Solar Array 2)** | | | | | |
| 2139 | Design Solar Array 2 MGSE | 43 | 01MAY03* | 01JUL03 | JOY B |
| 2142 | Procure Solar Array 2 MGSE | 35 | 02JUL03 | 20AUG03 | JOY B |
| 2148 | Solar Array 2 MGSE Ready | 1 | 21AUG03 | 21AUG03 | JOY B |
| **S/C SMS Mech GSE (Solar Array 3)** | | | | | |
| 2151 | Design Solar Array 3 MGSE | 19 | 02JAN04* | 29JAN04 | JOY B |
| 2154 | Procure Solar Array 3 MGSE | 33 | 30JAN04 | 17MAR04 | JOY B |
| 2163 | Solar Array 3 MGSE Ready | 1 | 18MAR04 | 18MAR04 | JOY B |



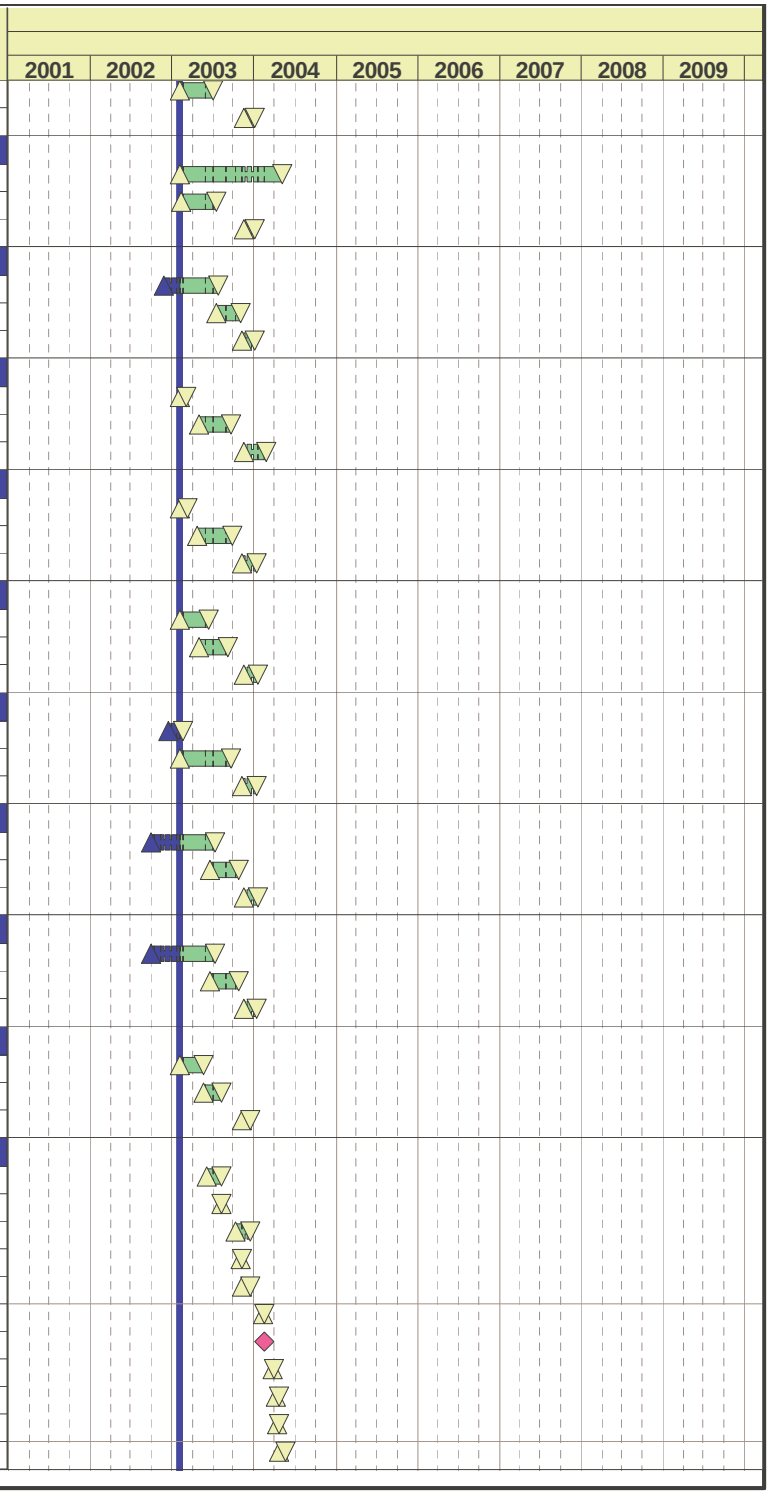
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **S/C SMS Mech GSE (X-Band 1)** | | | | | |
| 2166 | Design X-Band 1 MGSE | 22 | 01JUL03* | 31JUL03 | JOY B |
| 2169 | Procure X-Band 1 MGSE | 83 | 01AUG03 | 01DEC03 | JOY B |
| 2172 | X-Band 1 MGSE Ready | 1 | 02DEC03 | 02DEC03 | JOY B |
| **S/C SMS Mech GSE (X-Band 2)** | | | | | |
| 2181 | Design X-Band 2 MGSE | 22 | 01OCT03* | 31OCT03 | JOY B |
| 2184 | Procure X-Band 2 MGSE | 66 | 03NOV03 | 17FEB04 | JOY B |
| 2187 | X-Band 2 MGSE Ready | 1 | 18FEB04 | 18FEB04 | JOY B |
| **S/C Electrical Power (EPS)** | | | | | |
| **S/C EPS Power Distribution Unit (PDU)** | | | | | |
| 2205 | Create Initial PDU Requirements Spec | 15 | 21OCT02A | 08NOV02A | JOY B |
| **S/C EPS PDU Load Control Board (LCB)** | | | | | |
| 2208 | PDU Load Control Boards Design/Development | 66* | 21OCT02A | 03FEB03 | JOY B |
| 2211 | PDU Load Control Board Engineering Model | 83 | 04FEB03 | 02JUN03 | JOY B |
| 2214 | PDU Load Control Board Flight Model | 111 | 16JAN04 | 23JUN04 | JOY B |
| **S/C EPS PDU Command & Telemetry Board (CTB)** | | | | | |
| 2217 | PDU Command & Telemetry Board Design/Development | 75* | 21OCT02A | 14FEB03 | JOY B |
| 2220 | PDU Command & Telemetry Board Engineering Model | 24 | 18FEB03 | 21MAR03 | JOY B |
| 2223 | PDU Command & Telemetry Board Flight Model | 77 | 16JAN04 | 05MAY04 | JOY B |
| **S/C EPS PDU Charge Control Board (CCB)** | | | | | |
| 2226 | PDU Charge Control Board Design/Development | 78* | 21OCT02A | 20FEB03 | JOY B |
| 2229 | PDU Charge Control Board Engineering Model | 36 | 21FEB03 | 11APR03 | JOY B |
| 2232 | PDU Charge Control Board Flight Model | 79 | 16JAN04 | 07MAY04 | JOY B |
| **S/C EPS PDU Battery Bus Board (BBB)** | | | | | |
| 2235 | PDU Battery Bus Board Design/Development | 76* | 21OCT02A | 18FEB03 | JOY B |
| 2238 | PDU Battery Bus Board Engineering Model | 31 | 19FEB03 | 02APR03 | JOY B |
| 2241 | PDU Battery Bus Board Flight Model | 80 | 16JAN04 | 10MAY04 | JOY B |
| **S/C EPS PDU Backplane** | | | | | |
| 2244 | PDU Backplane Design/Development | 33 | 03FEB03* | 20MAR03 | JOY B |
| 2247 | PDU Backplane Engineering Model | 28 | 21MAR03 | 29APR03 | JOY B |
| 2250 | PDU Backplane Flight Model | 65 | 16JAN04 | 19APR04 | JOY B |
| **S/C EPS PDU Assemble & Test** | | | | | |
| 2253 | PDU Engineering Model Assemble & Test | 34 | 30MAY03 | 17JUL03 | JOY B |
| 2256 | PDU Flight Model Assemble & Test | 91 | 24MAR04* | 30JUL04 | JOY B |
| **S/C EPS Power Regulator Unit (PRU)** | | | | | |
| 2259 | Create Initial PRU Requirements Spec | 69* | 15OCT02A | | JOY B |
| **S/C EPS PRU Regulated Load Control Boards** | | | | | |
| 2262 | PRU Regulated Load Control Boards Dsn & Analysis | 85* | 02DEC02A | 10APR03 | JOY B |
| 2265 | PRU Regulated Load Control Board Eng Model | 39 | 11APR03 | 05JUN03 | JOY B |
| 2268 | PRU Regulated Load Control Board Flight Model | 40 | 16JAN04* | 15MAR04 | JOY B |
| **S/C EPS PRU Backplane** | | | | | |
| 2271 | PRU Backplane Design & Analysis | 31 | 03FEB03* | 18MAR03 | JOY B |
| 2274 | PRU Backplane Engineering Model | 22 | 19MAR03 | 17APR03 | JOY B |
| 2277 | PRU Backplane Flight Model | 173 | 15MAY03* | 30JAN04 | JOY B |
| **S/C EPS PRU Assemble & Test** | | | | | |
| 2280 | PRU Engineering Model Assemble & Test | 26 | 14AUG03 | 19SEP03 | JOY B |
| 2283 | PRU Flight Model Integrate & Test | 60 | 16MAR04 | 08JUN04 | JOY B |
| **S/C EPS Battery** | | | | | |
| 2286 | Create Battery PFS | 22 | 30AUG02A | 27NOV02A | JOY B |
| 2289 | Create Battery SOW | 22 | 30AUG02A | 27NOV02A | JOY B |



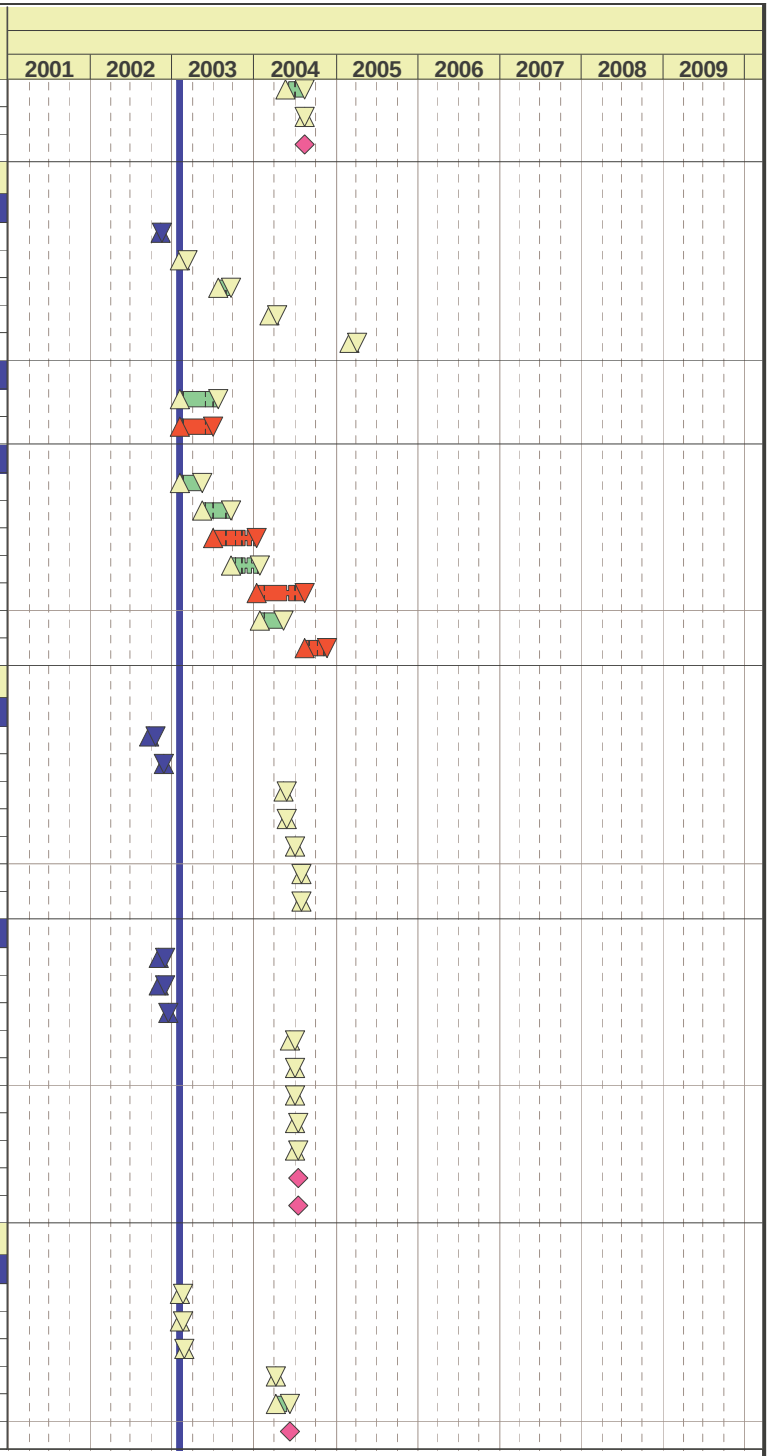
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 2292 | Definitize Subcontract for Battery | 1 | 03FEB03* | 03FEB03 | JOY B |
| 2295 | Receive EM Battery | 1 | 06MAY04 | 06MAY04 | JOY B |
| 2298 | Checkout EM Battery | 44 | 07MAY04 | 09JUL04 | JOY B |
| 2301 | EM Battery Ready for I&T | 1 | 12JUL04 | 12JUL04 | JOY B |
| 2304 | Receive Flight Battery | 1 | 03JUL06* | 03JUL06 | JOY B |
| 2307 | Checkout Flight Battery | 20 | 05JUL06 | 01AUG06 | JOY B |
| 2310 | Flight Battery Ready for I&T | 1 | 02AUG06 | 02AUG06 | JOY B |
| **S/C EPS Solar Array Cells/Cell Laydown** | | | | | |
| 2313 | Create Solar Array PFS | 36 | 01NOV02A | 19DEC02A | JOY B |
| 2316 | Create Solar Array SOW | 36 | 01NOV02A | 19DEC02A | JOY B |
| 2319 | Definitize Subcontract for Cells/Laydown | 1 | 14FEB03* | 14FEB03 | JOY B |
| 2322 | Deliver Flight Panels to Vendor | 1 | 20JAN05 | 20JAN05 | JOY B |
| 2325 | Solar Array Panels Delivered to Spectrum | 1 | 31MAY05* | 31MAY05 | JOY B |
| **S/C EPS Flight Harness** | | | | | |
| 2328 | Generate Requirements Spec | 74* | 20DEC02A | 15APR03 | JOY B |
| 2331 | Determine Flight Sep Connector Requirements | 22 | 16APR03 | 15MAY03 | JOY B |
| 2337 | Determine Component Connector Types/Sizes | 44 | 16APR03 | 17JUN03 | JOY B |
| 2334 | Order Placed for Flight Sep Connectors | 1 | 16MAY03 | 16MAY03 | JOY B |
| 2340 | Collect/Process Component Pinout Info | 47 | 21MAY03 | 28JUL03 | JOY B |
| 2343 | Build Harness Database | 64 | 29JUL03 | 28OCT03 | JOY B |
| 2346 | Generate & Release Schematics | 19 | 29OCT03 | 25NOV03 | JOY B |
| 2349 | Generate & Release Wirelists | 8 | 26NOV03 | 08DEC03 | JOY B |
| 2352 | Generate & Release Parts Lists | 9 | 09DEC03 | 19DEC03 | JOY B |
| 2364 | Test Procedure | 32 | 22DEC03 | 13FEB04 | JOY B |
| 2367 | Assemble Flight Harness | 111 | 22DEC03 | 07JUN04 | JOY B |
| 2355 | Receive GFE LV Connectors | 1 | 08MAR04 | 08MAR04 | JOY B |
| 2358 | Receive GFE Instrument Connectors | 1 | 08MAR04 | 08MAR04 | JOY B |
| 2361 | All Flight Sep Connectors Received | 1 | 18MAR04 | 18MAR04 | JOY B |
| 2370 | Perform Preliminary Harness Tests & Cleaning | 5 | 08JUN04 | 14JUN04 | JOY B |
| 2373 | Bake Out Harness | 5 | 15JUN04 | 21JUN04 | JOY B |
| 2382 | Flight Harness Ready for I&T | 1 | 22JUN04 | 22JUN04 | JOY B |
| **S/C Command & Data Handling (C&DH)** | | | | | |
| **S/C C&DH Subsystem Requirements** | | | | | |
| 2385 | Develop C&DH Subsystem Requirements | 99* | 30AUG02A | | JOY B |
| **S/C C&DH RAD750** | | | | | |
| 2388 | Create RAD750 PFS | 79* | 30AUG02A | 27DEC02A | JOY B |
| 2391 | Create RAD750 SOW | 79* | 30AUG02A | 27DEC02A | JOY B |
| 2394 | Definitize RAD750 Subcontract | 1 | 03FEB03* | 03FEB03 | JOY B |
| 2397 | RAD750 Proto Unit Delivered | 1 | 05NOV03 | 05NOV03 | JOY B |
| 2400 | RAD750 EM Unit Delivered | 1 | 13APR04 | 13APR04 | JOY B |
| 2403 | RAD750 Flight Unit 1 Delivered | 1 | 13APR04 | 13APR04 | JOY B |
| 2406 | RAD750 Flight Unit 2 Delivered | 1 | 13APR04 | 13APR04 | JOY B |
| **S/C C&DH Solid State Recorder (SSR)** | | | | | |
| 2409 | Create SSR PFS | 52* | 30AUG02A | 14NOV02A | JOY B |
| 2412 | Create SSR SOW | 52* | 30AUG02A | 14NOV02A | JOY B |
| 2415 | Definitize SSR Subcontract | 1 | 03FEB03* | 03FEB03 | JOY B |
| 2418 | SSR EM Unit Delivered | 1 | 10FEB04 | 10FEB04 | JOY B |
| 2421 | SSR Flight Unit Delivered | 1 | 05MAY04 | 05MAY04 | JOY B |
| **S/C C&DH Automatic Redundancy Management (ARM)** | | | | | |
| 2424 | ARM Design & Analysis | 48* | 16DEC02A | 04MAR03 | JOY B |



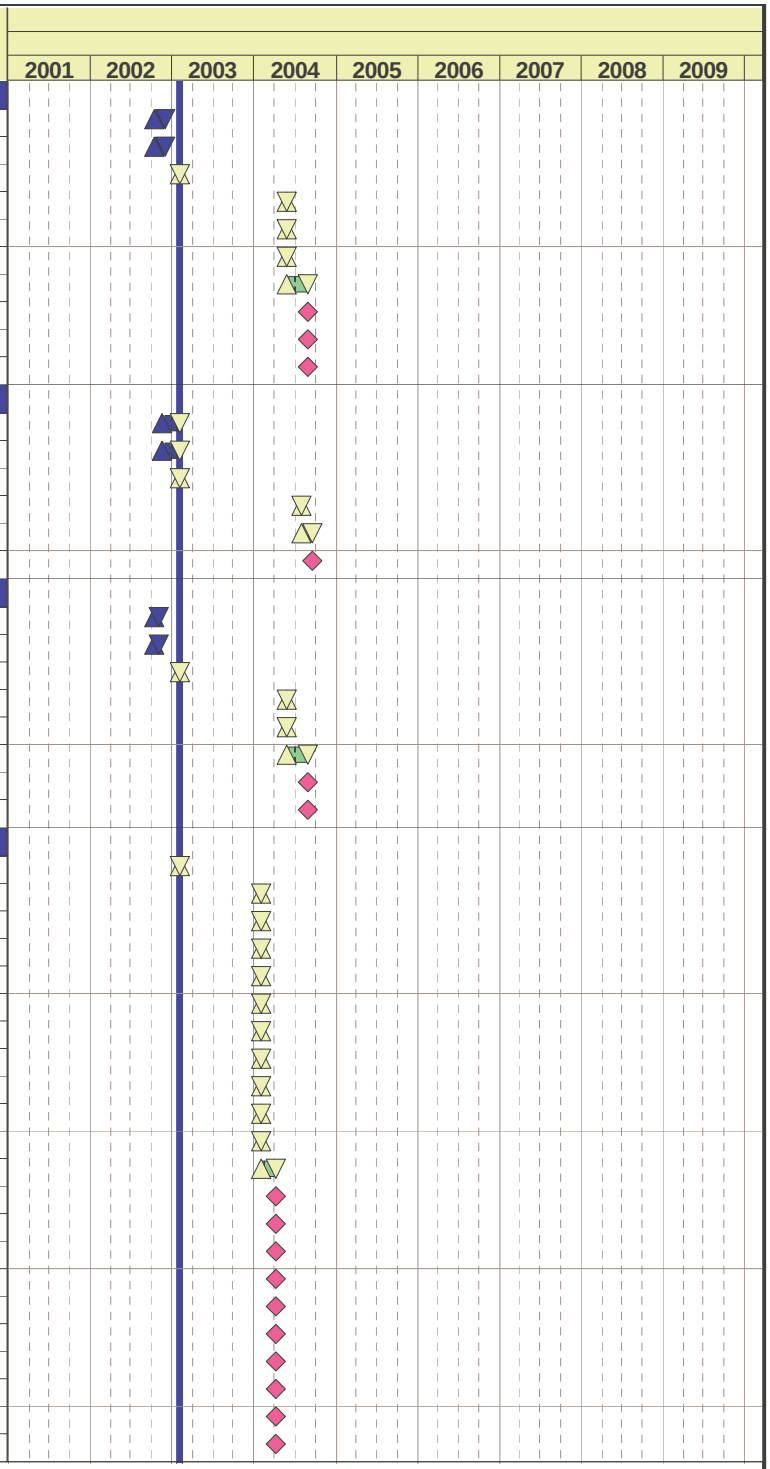
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 2427 | ARM Engineering Models Development | 102 | 05FEB03* | 30JUN03 | JOY B |
| 2430 | ARM Flight Units Development | 27 | 17NOV03* | 02JAN04 | JOY B |
| **S/C C&DH Gimbal Drive Electronics (GDE)** | | | | | |
| 2433 | GDE Design & Analysis | 312 | 03FEB03 | 05MAY04 | JOY B |
| 2436 | GDE Engineering Models Development | 105 | 13FEB03* | 14JUL03 | JOY B |
| 2439 | GDE Flight Units Development | 31 | 17NOV03* | 08JAN04 | JOY B |
| **S/C C&DH General Purpose I/O (GPIO)** | | | | | |
| 2442 | GPIO Design & Analysis | 161* | 25NOV02A | 23JUL03 | JOY B |
| 2445 | GPIO Engineering Models Development | 77 | 15JUL03* | 31OCT03 | JOY B |
| 2448 | GPIO Flight Units Development | 33 | 13NOV03* | 08JAN04 | JOY B |
| **S/C C&DH Read Only Memory (ROM)** | | | | | |
| 2451 | ROM Design & Analysis | 21 | 03FEB03* | 04MAR03 | JOY B |
| 2454 | ROM Engineering Models Development | 99 | 01MAY03* | 19SEP03 | JOY B |
| 2457 | ROM Flight Units Development | 62 | 17NOV03* | 24FEB04 | JOY B |
| **S/C C&DH Integrated Power Converter Unit (IPCU)** | | | | | |
| 2460 | IPCU Design & Analysis | 26 | 03FEB03* | 11MAR03 | JOY B |
| 2463 | IPCU Engineering Models Development | 111 | 21APR03* | 25SEP03 | JOY B |
| 2466 | IPCU Flight Units Development | 40 | 11NOV03* | 15JAN04 | JOY B |
| **S/C C&DH Payload & Attitude Control I/F (PACI)** | | | | | |
| 2469 | PACI Design & Analysis | 92 | 03FEB03* | 12JUN03 | JOY B |
| 2472 | PACI Engineering Models Development | 85 | 02MAY03* | 02SEP03 | JOY B |
| 2475 | PACI Flight Units Development | 37 | 17NOV03* | 16JAN04 | JOY B |
| **S/C C&DH Propulsion Drive Electronics (PDE)** | | | | | |
| 2478 | PDE Design & Analysis | 38* | 16DEC02A | 18FEB03 | JOY B |
| 2481 | PDE Engineering Models Development | 163 | 03FEB03* | 23SEP03 | JOY B |
| 2484 | PDE Flight Units Development | 40 | 11NOV03* | 15JAN04 | JOY B |
| **S/C C&DH LAT/GBM I/O (LGIO)** | | | | | |
| 2487 | LGIO Design & Analysis | 190* | 01OCT02A | 11JUL03 | JOY B |
| 2490 | LGIO Engineering Models Development | 87 | 23JUN03* | 24OCT03 | JOY B |
| 2493 | LGIO Flight Units Development | 38 | 17NOV03* | 20JAN04 | JOY B |
| **S/C C&DH Uplink/Downlink (UDL)** | | | | | |
| 2496 | UDL Design & Analysis | 190* | 01OCT02A | 11JUL03 | JOY B |
| 2499 | UDL Engineering Models Development | 87 | 23JUN03* | 24OCT03 | JOY B |
| 2502 | UDL Flight Units Development | 33 | 17NOV03* | 12JAN04 | JOY B |
| **S/C C&DH cPCI Backplane** | | | | | |
| 2505 | cPCI Backplane Design & Analysis | 78 | 03FEB03* | 22MAY03 | JOY B |
| 2508 | cPCI Backplane Engineering Models Development | 52 | 23MAY03 | 06AUG03 | JOY B |
| 2511 | cPCI Backplane Flight Units Development | 27 | 11NOV03* | 18DEC03 | JOY B |
| **S/C C&DH Integration & Test** | | | | | |
| 2624 | Create Box-Level Test Scripts for IEM | 44 | 09JUN03 | 08AUG03 | JOY B |
| 2714 | Integrate Backplane & Box (IEM) | 2 | 07AUG03 | 08AUG03 | JOY B |
| 2674 | Create Preliminary ATP for IEM | 44 | 09OCT03 | 12DEC03 | JOY B |
| 2704 | Integrate All Boards into Box (IEM) | 3 | 06NOV03 | 11NOV03 | JOY B |
| 2644 | Perform IEM Functional Tests | 22 | 12NOV03 | 12DEC03 | JOY B |
| 2654 | Perform SSR Functional Tests (IEM) | 5 | 11FEB04 | 18FEB04 | JOY B |
| 2684 | IEM Ready for FSW Integration | 0 | | 18FEB04 | JOY B |
| 2524 | Integrate Backplane & Box (Flt IEM) | 3 | 25MAR04 | 29MAR04 | JOY B |
| 2554 | Finalize Box-Level Test Scripts for Flight IEM | 10 | 07APR04 | 20APR04 | JOY B |
| 2534 | Integrate Boards & Box (Flt IEM) | 5 | 14APR04 | 20APR04 | JOY B |
| 2564 | Perform Flt IEM Functional Tests #1 | 22 | 21APR04 | 20MAY04 | JOY B |



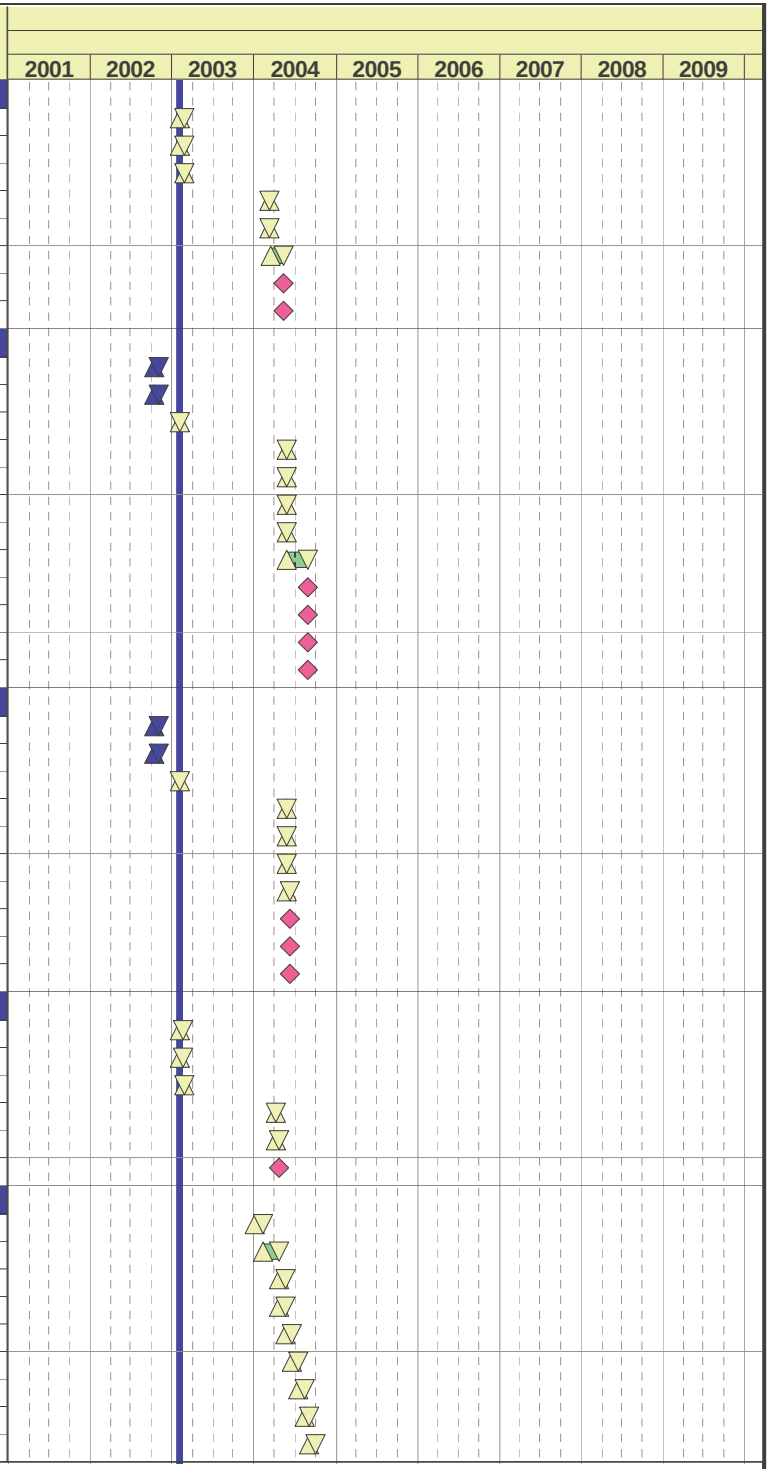
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 2584 | Cmplt FLT Testing(Funct, EMI, Vibe, Thermal Cyc) | 56 | 21MAY04 | 10AUG04 | JOY B |
| 2594 | Perform SSR Functional Tests (Flt IEM) | 4 | 11AUG04 | 16AUG04 | JOY B |
| 2614 | Flight IEM Ready for Bus I&T | 0 | | 16AUG04 | JOY B |
| **S/C Flight Software** | | | | | |
| **S/C Flight Software Reviews** | | | | | |
| 2520 | S/C FSW System Requirements Prep & Review | 5 | 13NOV02A | 19NOV02A | JOY B |
| 2523 | S/C FSW Preliminary Design Prep & Review | 29 | 03FEB03* | 14MAR03 | JOY B |
| 2526 | S/C FSW Critical Design Prep & Review | 39 | 29JUL03* | 22SEP03 | JOY B |
| 2529 | S/C FSW Test Readiness Prep & Review | 26 | 08MAR04* | 12APR04 | JOY B |
| 2532 | S/C FSW Acceptance Test Prep & Review | 26 | 02MAR05* | 06APR05 | JOY B |
| **S/C FSW Design Engineering** | | | | | |
| 2538 | C&DH CSCI Build 1, 2, 3 & 4 | 123* | 03FEB03* | 28JUL03 | JOY B |
| 2550 | ISM CSCI Build 1, 2 & 3 | 106 | 03FEB03* | 02JUL03 | JOY B |
| **S/C FSW Code, Integration & Test** | | | | | |
| 2574 | Code, Integ & Test C&DH CSCI Build 1 (SIM Supt) | 73 | 03FEB03* | 15MAY03 | JOY B |
| 2577 | Code, Integ & Test C&DH CSCI Build 2 (GN&C Supt) | 87 | 16MAY03* | 18SEP03 | JOY B |
| 3333 | ISM CSCI Build 1 Integration & Test | 128 | 03JUL03 | 14JAN04 | JOY B |
| 2580 | Code, Integ & Test C&DH CSCI Build 3 (C&DH Supt) | 81 | 19SEP03 | 26JAN04 | JOY B |
| 3336 | ISM CSCI Build 2 Integration & Test | 146 | 15JAN04 | 11AUG04 | JOY B |
| 2583 | Code, Integ & Test C&DH CSCI Build 4 (Bus I&T) | 77 | 27JAN04 | 13MAY04 | JOY B |
| 3339 | ISM CSCI Build 3 Integration & Test | 69 | 12AUG04 | 19NOV04 | JOY B |
| **S/C Telecommunications (TT&C)** | | | | | |
| **S/C TT&C S-Band Transceivers (MMT)** | | | | | |
| 2598 | Create S-Band SOW | 21 | 18SEP02A | 17OCT02A | JOY B |
| 2601 | Definitize S-Band Subcontract | 1 | 26NOV02A | 26NOV02A | JOY B |
| 2604 | S-Band Acceptance Testing @ Vendor | 12 | 13MAY04 | 28MAY04 | JOY B |
| 2607 | Receive S-Band Transceiver 1 | 1 | 28MAY04* | 28MAY04 | JOY B |
| 2616 | Receive S-Band Transceiver 2 | 1 | 30JUN04* | 30JUN04 | JOY B |
| 2613 | S-Band Transceiver 1 Ready for I&T | 1 | 02AUG04* | 02AUG04 | JOY B |
| 2622 | S-Band Transceiver 2 Ready for I&T | 1 | 02AUG04* | 02AUG04 | JOY B |
| **S/C TT&C X-Band Transmitters** | | | | | |
| 2625 | Create X-Band PFS | 19 | 01NOV02A | 29NOV02A | JOY B |
| 2628 | Create X-Band SOW | 19 | 01NOV02A | 29NOV02A | JOY B |
| 2631 | Definitize X-Band Subcontract | 1 | 18DEC02A | 18DEC02A | JOY B |
| 2634 | X-Band Acceptance Testing @ Vendor | 15 | 11JUN04 | 01JUL04 | JOY B |
| 2637 | Receive X-Band Transmitter 1 | 1 | 01JUL04* | 01JUL04 | JOY B |
| 2646 | Receive X-Band Transmitter 2 | 1 | 01JUL04* | 01JUL04 | JOY B |
| 2640 | Test X-Band Transmitter 1 | 9 | 02JUL04 | 15JUL04 | JOY B |
| 2649 | Test X-Band Transmitter 2 | 9 | 02JUL04 | 15JUL04 | JOY B |
| 2643 | X-Band Transmitter 1 Ready for I&T | 0 | | 15JUL04 | JOY B |
| 2652 | X-Band Transmitter 2 Ready for I&T | 0 | | 15JUL04 | JOY B |
| **S/C Guidance, Navigation & Control (GN&C)** | | | | | |
| **S/C GN&C Antenna Point Mechanism (APM)** | | | | | |
| 2655 | Create APM PFS | 14 | 03FEB03* | 21FEB03 | JOY B |
| 2658 | Create APM SOW | 14 | 03FEB03 | 21FEB03 | JOY B |
| 2661 | Definitize APM Subcontract | 1 | 24FEB03* | 24FEB03 | JOY B |
| 2664 | Receive APM | 1 | 05APR04 | 05APR04 | JOY B |
| 2667 | APM Component Testing | 44 | 06APR04 | 07JUN04 | JOY B |
| 2670 | APM Ready for I&T | 0 | | 07JUN04 | JOY B |



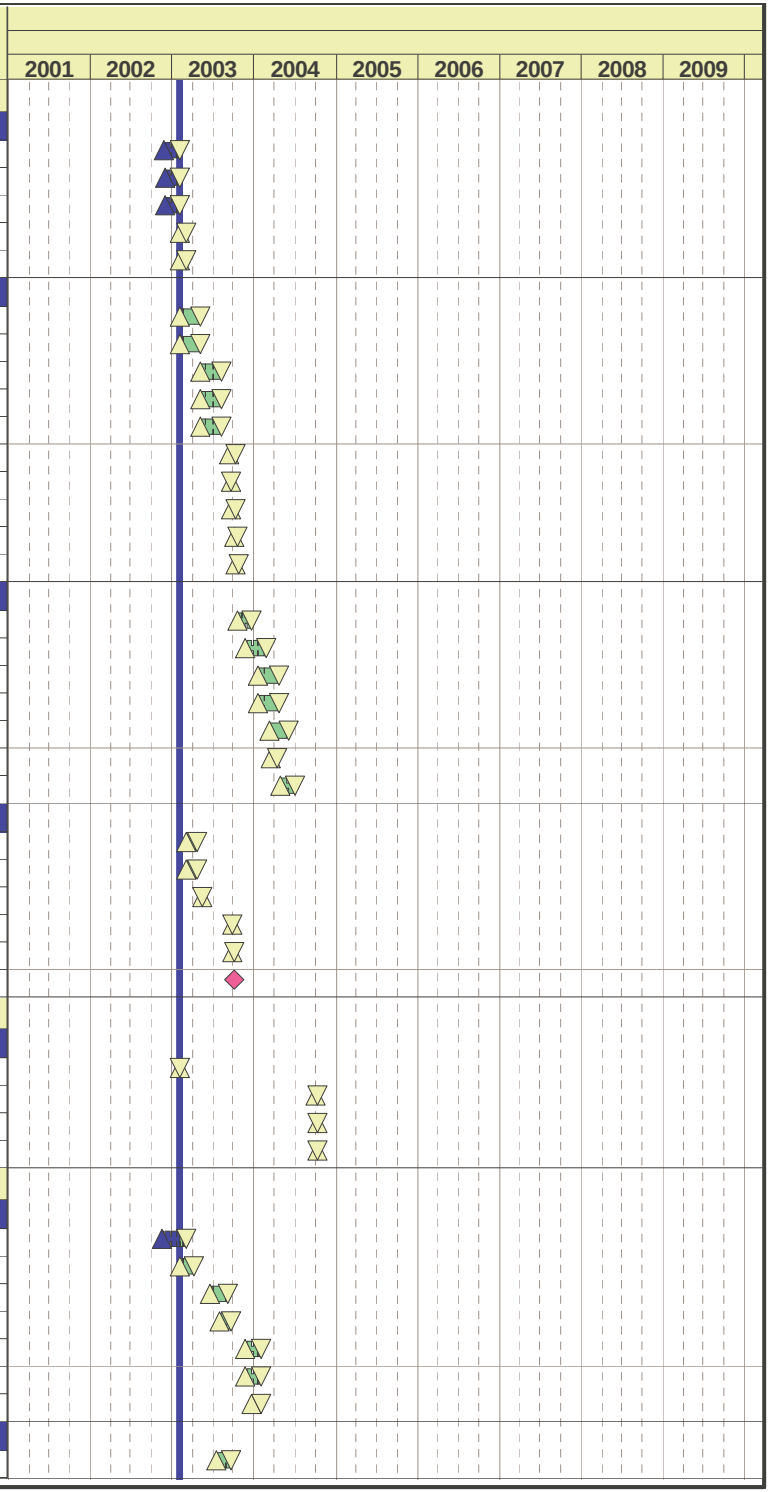
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **S/C GN&C Star Tracker Assembly** | | | | | |
| 2673 | Create Star Tracker Assy PFS | 32* | 15OCT02A | 29NOV02A | JOY B |
| 2676 | Create Star Tracker Assy SOW | 32* | 15OCT02A | 29NOV02A | JOY B |
| 2679 | Definitize Star Tracker Assy Subcontract | 1 | 03FEB03* | 03FEB03 | JOY B |
| 2682 | Receive Star Tracker Assy 1 | 1 | 27MAY04 | 27MAY04 | JOY B |
| 2685 | Receive Star Tracker Assy 2 | 1 | 27MAY04 | 27MAY04 | JOY B |
| 2688 | Receive Star Tracker Assy 3 | 1 | 27MAY04 | 27MAY04 | JOY B |
| 2691 | Star Tracker Assy 1-3 Component Testing | 64 | 28MAY04 | 27AUG04 | JOY B |
| 2694 | Star Tracker Assy 1 Ready for I&T | 0 | | 27AUG04 | JOY B |
| 2697 | Star Tracker Assy 2 Ready for I&T | 0 | | 27AUG04 | JOY B |
| 2700 | Star Tracker Assy 3 Ready for I&T | 0 | | 27AUG04 | JOY B |
| **S/C GN&C Internal Measurement Unit (SIRU)** | | | | | |
| 2703 | Create SIRU PFS | 46* | 18NOV02A | | JOY B |
| 2706 | Create SIRU SOW | 46* | 18NOV02A | | JOY B |
| 2709 | Definitize SIRU Subcontract | 1 | 03FEB03* | 03FEB03 | JOY B |
| 2712 | Receive Internal Measurement Unit (SIRU) | 1 | 30JUL04 | 30JUL04 | JOY B |
| 2715 | SIRU Component Testing | 35 | 02AUG04 | 20SEP04 | JOY B |
| 2718 | Internal Measurement Unit (SIRU) Ready for I&T | 0 | | 20SEP04 | JOY B |
| **S/C GN&C Magnetometer** | | | | | |
| 2721 | Create Magnetometer PFS | 40 | 15OCT02A | 31OCT02A | JOY B |
| 2724 | Create Magnetometer SOW | 40 | 15OCT02A | 31OCT02A | JOY B |
| 2727 | Definitize Magnetometer Subcontract | 1 | 03FEB03* | 03FEB03 | JOY B |
| 2730 | Receive Magnetometer 1 | 1 | 27MAY04 | 27MAY04 | JOY B |
| 2733 | Receive Magnetometer 2 | 1 | 27MAY04 | 27MAY04 | JOY B |
| 2736 | Magnetometer 1 & 2 Component Testing | 64 | 28MAY04 | 27AUG04 | JOY B |
| 2739 | Magnetometer 1 Ready for I&T | 0 | | 27AUG04 | JOY B |
| 2742 | Magnetometer 2 Ready for I&T | 0 | | 27AUG04 | JOY B |
| **S/C GN&C Coarse Sun Sensors** | | | | | |
| 2751 | Definitize Coarse Sun Sensors Subcontract | 1 | 03FEB03* | 03FEB03 | JOY B |
| 2754 | Receive Coarse Sun Sensor 1 | 1 | 05FEB04 | 05FEB04 | JOY B |
| 2757 | Receive Coarse Sun Sensor 2 | 1 | 05FEB04 | 05FEB04 | JOY B |
| 2760 | Receive Coarse Sun Sensor 3 | 1 | 05FEB04 | 05FEB04 | JOY B |
| 2763 | Receive Coarse Sun Sensor 4 | 1 | 05FEB04 | 05FEB04 | JOY B |
| 2766 | Receive Coarse Sun Sensor 5 | 1 | 05FEB04 | 05FEB04 | JOY B |
| 2769 | Receive Coarse Sun Sensor 6 | 1 | 05FEB04 | 05FEB04 | JOY B |
| 2772 | Receive Coarse Sun Sensor 7 | 1 | 05FEB04 | 05FEB04 | JOY B |
| 2775 | Receive Coarse Sun Sensor 8 | 1 | 05FEB04 | 05FEB04 | JOY B |
| 2778 | Receive Coarse Sun Sensor 9 | 1 | 05FEB04 | 05FEB04 | JOY B |
| 2781 | Receive Coarse Sun Sensor 10 | 1 | 05FEB04 | 05FEB04 | JOY B |
| 2784 | Coarse Sun Sensor Component Testing (1-10) | 43 | 06FEB04 | 07APR04 | JOY B |
| 2787 | Coarse Sun Sensor 1 Ready for I&T | 0 | | 07APR04 | JOY B |
| 2790 | Coarse Sun Sensor 2 Ready for I&T | 0 | | 07APR04 | JOY B |
| 2793 | Coarse Sun Sensor 3 Ready for I&T | 0 | | 07APR04 | JOY B |
| 2796 | Coarse Sun Sensor 4 Ready for I&T | 0 | | 07APR04 | JOY B |
| 2799 | Coarse Sun Sensor 5 Ready for I&T | 0 | | 07APR04 | JOY B |
| 2802 | Coarse Sun Sensor 6 Ready for I&T | 0 | | 07APR04 | JOY B |
| 2805 | Coarse Sun Sensor 7 Ready for I&T | 0 | | 07APR04 | JOY B |
| 2808 | Coarse Sun Sensor 8 Ready for I&T | 0 | | 07APR04 | JOY B |
| 2811 | Coarse Sun Sensor 9 Ready for I&T | 0 | | 07APR04 | JOY B |
| 2814 | Coarse Sun Sensor 10 Ready for I&T | 0 | | 07APR04 | JOY B |



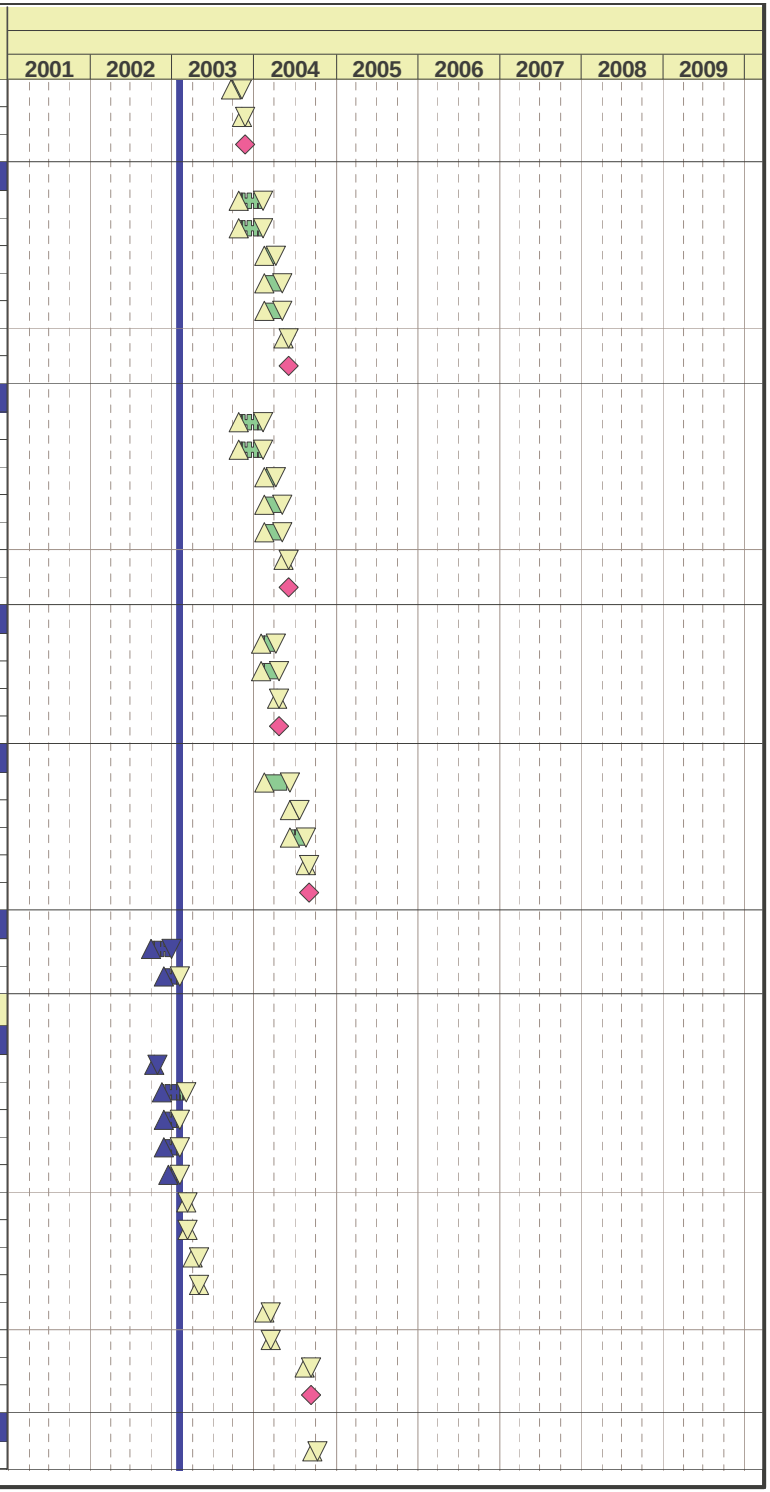
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **S/C GN&C GPS Navigation System** | | | | | |
| 2817 | Create GPS Nav PFS | 14 | 05FEB03* | 25FEB03 | JOY B |
| 2820 | Create GPS Nav SOW | 14 | 05FEB03 | 25FEB03 | JOY B |
| 2823 | Definitize GPS Nav Subcontract | 1 | 26FEB03 | 26FEB03 | JOY B |
| 2826 | Receive GPS Nav System 1 | 1 | 12MAR04 | 12MAR04 | JOY B |
| 2829 | Receive GPS Nav System 2 | 1 | 12MAR04 | 12MAR04 | JOY B |
| 2832 | GPS Nav Component Testing | 44 | 15MAR04 | 13MAY04 | JOY B |
| 2835 | GPS Nav System 1 Ready for I&T | 0 | | 13MAY04 | JOY B |
| 2838 | GPS Nav System 2 Ready for I&T | 0 | | 13MAY04 | JOY B |
| **S/C GN&C Reaction Wheel Assembly** | | | | | |
| 2841 | Create Reaction Wheel Assy PFS | 40 | 15OCT02A | 31OCT02A | JOY B |
| 2844 | Create Reaction Wheel Assy SOW | 40 | 15OCT02A | 31OCT02A | JOY B |
| 2847 | Definitize Reaction Wheel Assy Subcontract | 1 | 03FEB03* | 03FEB03 | JOY B |
| 2850 | Receive Reaction Wheel Assy 1 | 1 | 27MAY04 | 27MAY04 | JOY B |
| 2853 | Receive Reaction Wheel Assy 2 | 1 | 27MAY04 | 27MAY04 | JOY B |
| 2856 | Receive Reaction Wheel Assy 3 | 1 | 27MAY04 | 27MAY04 | JOY B |
| 2859 | Receive Reaction Wheel Assy 4 | 1 | 27MAY04 | 27MAY04 | JOY B |
| 2862 | Reaction Wheel Assy Component Testing | 64 | 28MAY04 | 27AUG04 | JOY B |
| 2865 | Reaction Wheel Assy 1 Ready for I&T | 0 | | 27AUG04 | JOY B |
| 2868 | Reaction Wheel Assy 2 Ready for I&T | 0 | | 27AUG04 | JOY B |
| 2871 | Reaction Wheel Assy 3 Ready for I&T | 0 | | 27AUG04 | JOY B |
| 2874 | Reaction Wheel Assy 4 Ready for I&T | 0 | | 27AUG04 | JOY B |
| **S/C GN&C Torque Rods** | | | | | |
| 2877 | Create Torque Rods PFS | 22 | 15OCT02A | 31OCT02A | JOY B |
| 2880 | Create Torque Rods SOW | 22 | 15OCT02A | 31OCT02A | JOY B |
| 2883 | Definitize Torque Rods Subcontract | 1 | 03FEB03* | 03FEB03 | JOY B |
| 2886 | Receive Torque Rods 1 | 1 | 27MAY04* | 27MAY04 | JOY B |
| 2889 | Receive Torque Rods 2 | 1 | 27MAY04* | 27MAY04 | JOY B |
| 2892 | Receive Torque Rods 3 | 1 | 27MAY04* | 27MAY04 | JOY B |
| 2895 | Torque Rods Component Testing | 9 | 28MAY04 | 10JUN04 | JOY B |
| 2898 | Torque Rods 1 Ready for I&T | 0 | | 10JUN04 | JOY B |
| 2901 | Torque Rods 2 Ready for I&T | 0 | | 10JUN04 | JOY B |
| 2904 | Torque Rods 3 Ready for I&T | 0 | | 10JUN04 | JOY B |
| **S/C GN&C SADA** | | | | | |
| 2907 | Develop SADA SOW | 14 | 03FEB03* | 21FEB03 | JOY B |
| 2910 | Develop SADA PFS | 14 | 03FEB03 | 21FEB03 | JOY B |
| 2913 | Definitize SADA Subcontract | 1 | 24FEB03* | 24FEB03 | JOY B |
| 2916 | Receive SADA | 1 | 05APR04 | 05APR04 | JOY B |
| 2919 | SADA Component Testing | 14 | 06APR04 | 23APR04 | JOY B |
| 2922 | SADA Ready for I&T | 0 | | 23APR04 | JOY B |
| **S/C GN&C ACS Design Verification & Subsys Test** | | | | | |
| 2940 | FSW/EM GNC Hardware Checkout | 24 | 07JAN04* | 10FEB04 | JOY B |
| 2943 | Develop Initial GNC-Component I&T Test Script | 49 | 11FEB04 | 20APR04 | JOY B |
| 2946 | GNC Acquisition/Mission Mode Tests (Hot Bench) | 20 | 21APR04 | 18MAY04 | JOY B |
| 2961 | Finalize GNC Integration, Test Procs(Hot Bench) | 20 | 21APR04 | 18MAY04 | JOY B |
| 2949 | Mode Transition/Safehold/Safe Mode Tests-Hot Bch | 19 | 19MAY04 | 15JUN04 | JOY B |
| 2955 | ISM FSW Tests (Hot Bench) | 19 | 16JUN04 | 13JUL04 | JOY B |
| 2958 | Re-entry Tests (Hot Bench) | 20 | 14JUL04 | 10AUG04 | JOY B |
| 2952 | Attitude Determ(ST, IMU) Verif (Night Sky Tests) | 19 | 11AUG04 | 07SEP04 | JOY B |
| 3087 | GNC FSW Verification Report (Hot Bench) | 18 | 08SEP04 | 01OCT04 | JOY B |



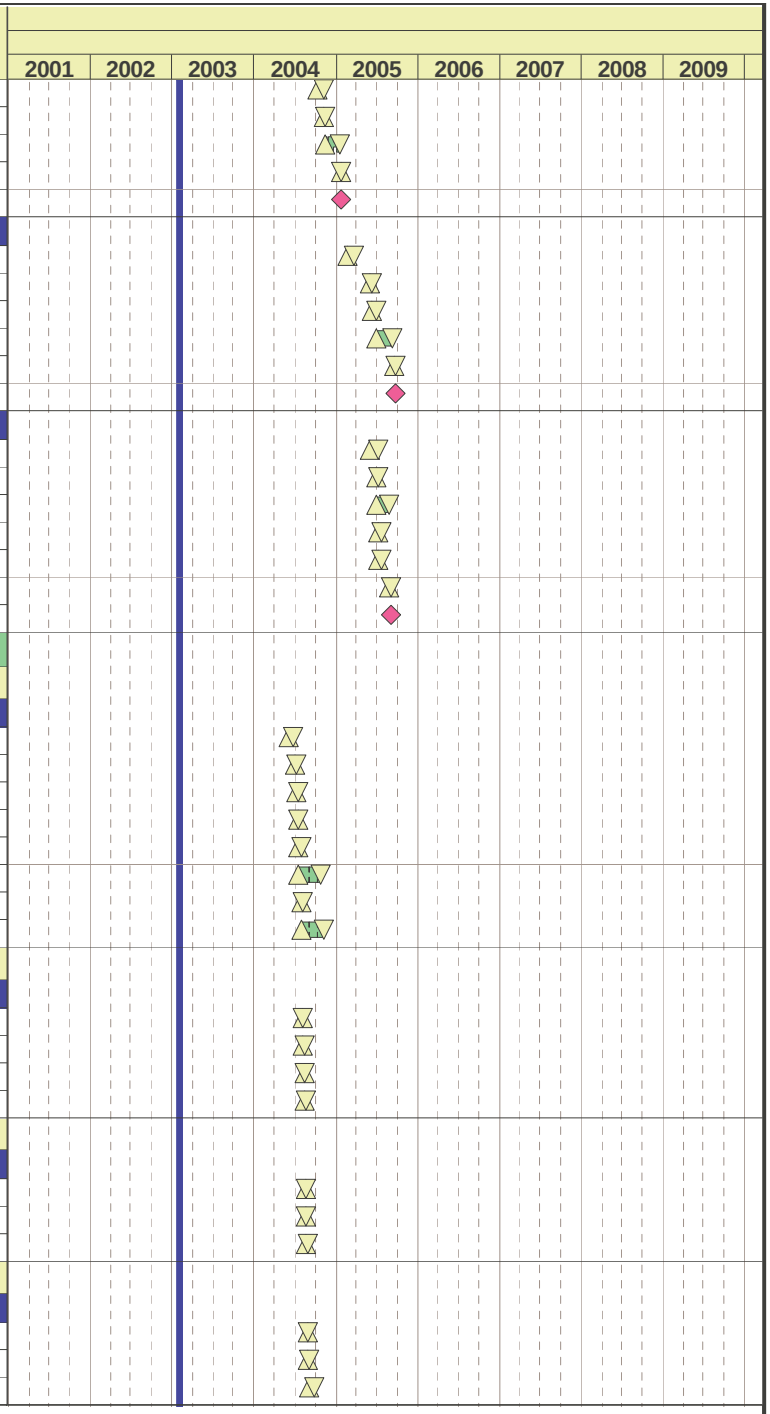
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **S/C Thermal Control (TCS)** | | | | | |
| **S/C TCS Initial Thermal Modeling for PDR** | | | | | |
| 2964 | Size Radiator & Heater - Preliminary | 42* | 22NOV02A | | JOY B |
| 2967 | Generate Simple Geometric Models | 38* | 29NOV02A | | JOY B |
| 2970 | Generate Simple Thermal Models | 38* | 29NOV02A | | JOY B |
| 2973 | Perform Model Checks on Simple Models | 24 | 03FEB03 | 07MAR03 | JOY B |
| 2976 | Create Prelim Temp Predictions w/Simple Models | 24 | 03FEB03 | 07MAR03 | JOY B |
| **S/C TCS Detailed Thermal Modeling for CDR** | | | | | |
| 2979 | Create Basic Detailed Geometric Models | 65 | 03FEB03 | 05MAY03 | JOY B |
| 2982 | Create Basic Detailed Thermal Models | 65 | 03FEB03 | 05MAY03 | JOY B |
| 2985 | Sanity Checks on Detailed Models | 64 | 06MAY03 | 05AUG03 | JOY B |
| 2988 | Create Prelim Temp Predictions w/Detailed Models | 64 | 06MAY03 | 05AUG03 | JOY B |
| 2991 | Compare Results of Simple Mods to Detailed Mods | 64 | 06MAY03 | 05AUG03 | JOY B |
| 3027 | Update Radiator&Heater Sizes to Reflect Changes | 19 | 17SEP03 | 14OCT03 | JOY B |
| 2994 | Receive Initial Instrument Thermal Models/Data | 1 | 18SEP03 | 18SEP03 | JOY B |
| 2997 | Generate Initial Integrated Thermal Model | 17 | 19SEP03 | 14OCT03 | JOY B |
| 3033 | Create Thermal Results Matrix (Pre-CDR) | 9 | 08OCT03 | 21OCT03 | JOY B |
| 3030 | Sanity Checks on Revised Thermal Models | 10 | 15OCT03 | 28OCT03 | JOY B |
| **S/C TCS Final Thermal Modeling** | | | | | |
| 3036 | Create Prelim Thermal H/W Installation Specs | 42 | 22OCT03 | 22DEC03 | JOY B |
| 3039 | Finalize Component Temp Requirements | 56 | 24NOV03* | 23FEB04 | JOY B |
| 3042 | Incorporate Changes to Detailed Geometric Models | 65 | 20JAN04* | 20APR04 | JOY B |
| 3045 | Incorporate Changes to Detailed Thermal Models | 65 | 20JAN04* | 20APR04 | JOY B |
| 3051 | Regenerate Flight Predictions | 57 | 12MAR04* | 01JUN04 | JOY B |
| 3048 | Final Sanity Model Checks | 22 | 17MAR04* | 15APR04 | JOY B |
| 3054 | Finalize Thermal Hardware Installation Specs | 44 | 28APR04* | 29JUN04 | JOY B |
| **S/C TCS Heat Pipe Subcontract** | | | | | |
| 3057 | Update Heat Pipe PFS | 40 | 03MAR03* | 25APR03 | JOY B |
| 3060 | Update Heat Pipe SOW | 40 | 03MAR03 | 25APR03 | JOY B |
| 3063 | Definitize Heat Pipe Subcontract | 1 | 15MAY03* | 15MAY03 | JOY B |
| 3066 | Heat Pipe Delivery | 1 | 30SEP03 | 30SEP03 | JOY B |
| 3069 | Test Heat Pipe Subsystem | 1 | 01OCT03 | 01OCT03 | JOY B |
| 3072 | Heat Pipes Ready for Bus I&T | 0 | | 01OCT03 | JOY B |
| **S/C Propulsion** | | | | | |
| **S/C Hydrazine Propulsion Module (HPM)** | | | | | |
| 3075 | HPM Contract Implementation Review | 1 | 03FEB03* | 03FEB03 | JOY B |
| 3078 | HPM Delivery to Spectrum | 1 | 06OCT04* | 06OCT04 | JOY B |
| 3081 | HPM Testing | 2 | 07OCT04 | 08OCT04 | JOY B |
| 3084 | HPM Ready for I&T | 1 | 12OCT04 | 12OCT04 | JOY B |
| **S/C Electrical GSE (EGSE)** | | | | | |
| **S/C EGSE Racks** | | | | | |
| 3132 | SAS Rack Development | 69* | 19NOV02A | 07MAR03 | JOY B |
| 3129 | MLS Rack Development | 46 | 03FEB03* | 08APR03 | JOY B |
| 3135 | Design Hot Bench Rack | 55 | 20JUN03* | 08SEP03 | JOY B |
| 3138 | Design Hot Bench Cables | 34 | 01AUG03* | 18SEP03 | JOY B |
| 3144 | Build Hot Bench Cables | 42 | 21NOV03 | 30JAN04 | JOY B |
| 3141 | Build Hot Bench Rack | 45 | 21NOV03 | 04FEB04 | JOY B |
| 3147 | Develop Hot Bench Utility Panels | 24 | 23DEC03 | 04FEB04 | JOY B |
| **S/C EGSE System Test Harness** | | | | | |
| 3150 | Design Test Harness | 44 | 21JUL03* | 19SEP03 | JOY B |



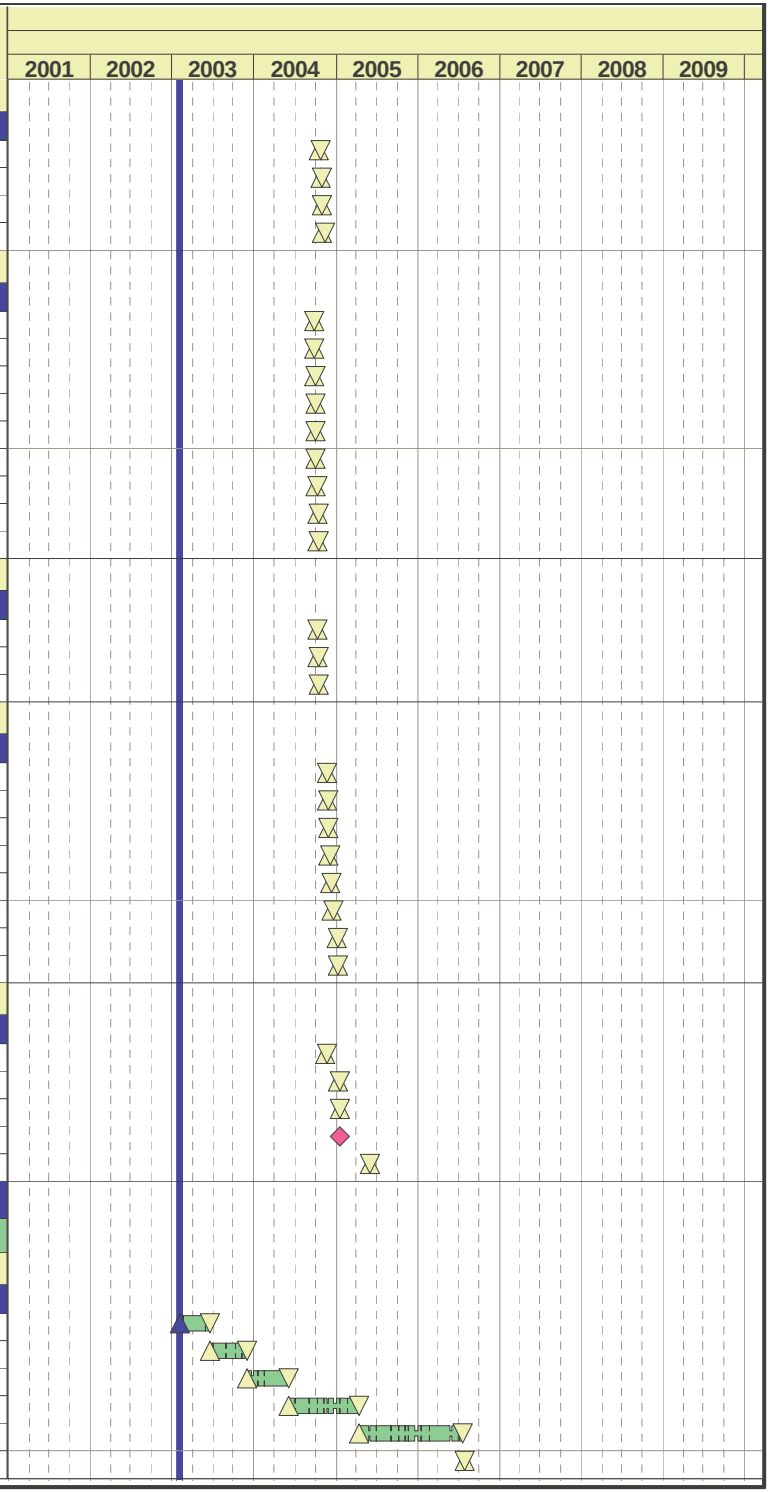
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 3153 | Build S/C Sim Test Harness | 33 | 22SEP03 | 06NOV03 | JOY B |
| 3156 | Checkout System Test Harness | 9 | 07NOV03 | 20NOV03 | JOY B |
| 3159 | S/C System Test Harness Ready | 0 | | 20NOV03 | JOY B |
| **S/C EGSE Test Access Connector (TAC)** | | | | | |
| 3162 | Design TAC Transition Modules | 70 | 27OCT03* | 13FEB04 | JOY B |
| 3165 | Design TAC Cables | 70 | 27OCT03 | 13FEB04 | JOY B |
| 3174 | Develop TAC Utility Panels | 39 | 17FEB04 | 09APR04 | JOY B |
| 3168 | Build TAC Transition Modules | 59 | 17FEB04 | 07MAY04 | JOY B |
| 3171 | Build TAC Cables | 59 | 17FEB04 | 07MAY04 | JOY B |
| 3177 | TAC Umbilical Checkout | 19 | 10MAY04 | 04JUN04 | JOY B |
| 3180 | TAC Umbilical Ready | 0 | | 04JUN04 | JOY B |
| **S/C EGSE Umbilical** | | | | | |
| 3183 | Design Umbilical Transition Modules | 70 | 27OCT03* | 13FEB04 | JOY B |
| 3186 | Design Umbilical Cables | 70 | 27OCT03 | 13FEB04 | JOY B |
| 3195 | Develop Umbilical Utility Panels | 39 | 17FEB04 | 09APR04 | JOY B |
| 3189 | Build Umbilical Transition Modules | 59 | 17FEB04 | 07MAY04 | JOY B |
| 3192 | Build Umbilical Cables | 59 | 17FEB04 | 07MAY04 | JOY B |
| 3198 | Umbilical Checkout | 19 | 10MAY04 | 04JUN04 | JOY B |
| 3201 | Umbilical Ready | 0 | | 04JUN04 | JOY B |
| **S/C EGSE Relay Box** | | | | | |
| 3207 | Build Relay Box | 49 | 02FEB04 | 09APR04 | JOY B |
| 3204 | Design Relay Box | 59 | 02FEB04* | 23APR04 | JOY B |
| 3210 | Checkout Relay Box | 10 | 12APR04 | 23APR04 | JOY B |
| 3213 | Relay Box Ready | 0 | | 23APR04 | JOY B |
| **S/C EGSE Battery Test Station** | | | | | |
| 3216 | Battery Test Station Conditioning Design | 79 | 18FEB04* | 08JUN04 | JOY B |
| 3222 | Battery Test Station Conditioning S/W Utility | 29 | 09JUN04 | 20JUL04 | JOY B |
| 3219 | Build Battery Conditioning Test Station | 49 | 09JUN04 | 17AUG04 | JOY B |
| 3225 | Battery Test Station Conditioning S/W Checkout | 14 | 18AUG04 | 07SEP04 | JOY B |
| 3228 | Battery Test Station Ready | 0 | | 07SEP04 | JOY B |
| **S/C EGSE Simulators** | | | | | |
| 3231 | Design S/C EGSE Simulator | 58 | 30SEP02A | 26DEC02A | JOY B |
| 3234 | Build S/C EGSE Simulator | 39* | 27NOV02A | | JOY B |
| **S/C Simulators** | | | | | |
| **S/C Instrument Interface Simulator (SIIS)** | | | | | |
| 3237 | Develop FSW UDL Task for S/C Sim (SIIS) | 10 | 15OCT02A | 28OCT02A | JOY B |
| 3249 | S/C Sim (SIIS) Functional Test | 66* | 18NOV02A | 03MAR03 | JOY B |
| 3240 | Develop FSW Interface Drivers for S/C Sim (SIIS) | 41* | 25NOV02A | | JOY B |
| 3243 | Develop FSW Science Data Task for S/C Sim (SIIS) | 41* | 25NOV02A | | JOY B |
| 3246 | EGSE Sim H/W Configuration & Checkout | 29* | 16DEC02A | 04FEB03 | JOY B |
| 3252 | Pack & Ship S/C Sim (SIIS) | 5 | 04MAR03 | 10MAR03 | JOY B |
| 3255 | S/C Sim (SIIS) Deliver to GBM | 1 | 11MAR03 | 11MAR03 | JOY B |
| 3258 | Software Updates to S/C Sim (SIIS) #1 | 22 | 01APR03* | 30APR03 | JOY B |
| 3261 | S/C Sim (SIIS) Deliver to LAT | 1 | 30APR03 | 30APR03 | JOY B |
| 3264 | Software Updates to S/C Sim (SIIS) #2 | 21 | 17FEB04* | 16MAR04 | JOY B |
| 3267 | S/C Sim (SIIS) Update to LAT | 1 | 16MAR04 | 16MAR04 | JOY B |
| 3270 | Software Updates to S/C Sim (SIIS) #3 | 21 | 16AUG04* | 14SEP04 | JOY B |
| 3273 | S/C Sim (SIIS) Update to GBM | 0 | | 14SEP04 | JOY B |
| **S/C Command & Telemetry Simulators** | | | | | |
| 3276 | Build Command & Telemetry Executive (FSW) | 15 | 20SEP04* | 08OCT04 | JOY B |



| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 3279 | Develop Telemetry Current Value Table (FSW) | 19 | 12OCT04 | 05NOV04 | JOY B |
| 3282 | Burst Alert & Safe Mode Message Simulation Task | 4 | 09NOV04 | 12NOV04 | JOY B |
| 3285 | Command & Telemetry Sim Functional Test | 41 | 15NOV04 | 21JAN05 | JOY B |
| 3288 | Pack & Ship Command & Telemetry Sim | 5 | 24JAN05 | 28JAN05 | JOY B |
| 3291 | S/C C&T Sim Deliv to Ground System Provider | 0 | | 28JAN05 | JOY B |
| **S/C Simulator S/W Development/Maintenance System** | | | | | |
| 3294 | SMDS EGSE System H/W Configuration & Checkout | 21 | 22FEB05* | 22MAR05 | JOY B |
| 3297 | SDMS UDL Simulation Task Integration (FSW) | 5 | 06JUN05* | 10JUN05 | JOY B |
| 3300 | SDMS Device Driver Modification (FSW) | 15 | 13JUN05 | 01JUL05 | JOY B |
| 3303 | S/W Dev & Maintenance Sys (SMDS) Functional Test | 47 | 05JUL05 | 08SEP05 | JOY B |
| 3306 | Pack & Ship SDMS | 5 | 16SEP05* | 22SEP05 | JOY B |
| 3309 | SDMS Deliver to Ground System Provider | 0 | | 22SEP05 | JOY B |
| **S/C MOC Training Simulator** | | | | | |
| 3312 | MOC Training Sim EGSE H/W Config & Checkout | 21 | 06JUN05* | 05JUL05 | JOY B |
| 3315 | MOC TS Science Data Task Integration (FSW) | 4 | 05JUL05 | 08JUL05 | JOY B |
| 3324 | MOC Training Sim Functional Test | 41 | 05JUL05* | 30AUG05 | JOY B |
| 3321 | MOC TS Develop Exec Iteration Control (ACS Sim) | 10 | 06JUL05 | 19JUL05 | JOY B |
| 3318 | MOC TS Develop Exec Iteration Control (FSW) | 10 | 11JUL05 | 22JUL05 | JOY B |
| 3327 | Pack & Ship MOC Training Sim | 4 | 31AUG05 | 06SEP05 | JOY B |
| 3330 | MOC Training Sim Deliver to Grnd Sys Provider | 0 | | 06SEP05 | JOY B |
| **Spacecraft Bus Integration & Test** | | | | | |
| **Spacecraft Bus Prep and Harness Integration** | | | | | |
| 1200 | Final Area Prep | 15 | 04JUN04* | 24JUN04 | JOY B |
| 1204 | Bus Structure Delivery to I&T | 1 | 06JUL04 | 06JUL04* | JOY B |
| 1202 | Mechanical Integration Preparations | 5 | 07JUL04 | 13JUL04 | JOY B |
| 1206 | Integrate Flight Harness | 1 | 14JUL04 | 14JUL04 | JOY B |
| 1209 | Harness Continuity & Potting | 10 | 15JUL04 | 28JUL04 | JOY B |
| 1208 | Install Heaters, T-stats, Temp Sensors & SCT | 70 | 15JUL04 | 22OCT04 | JOY B |
| 1210 | Integrate EGSE | 5 | 29JUL04 | 04AUG04 | JOY B |
| 1212 | Harness Work & Potting | 69 | 29JUL04 | 04NOV04 | JOY B |
| **Spacecraft Bus Eng Model Integrations** | | | | | |
| 1214 | EM PDU Mechanical Integration | 1 | 05AUG04 | 05AUG04 | JOY B |
| 1216 | EM PDU Safe-to-Mate | 4 | 06AUG04 | 11AUG04 | JOY B |
| 1218 | EM IEM Mechanical Integration | 1 | 12AUG04 | 12AUG04 | JOY B |
| 1220 | EM IEM Safe-to-Mate | 4 | 13AUG04 | 18AUG04 | JOY B |
| **Spacecraft Bus EPS Integration** | | | | | |
| 1222 | Install PDU | 1 | 19AUG04 | 19AUG04 | JOY B |
| 1224 | Install PRU | 1 | 19AUG04 | 19AUG04 | JOY B |
| 1226 | Perform EPS Subsystem Functional Checkout | 7 | 20AUG04 | 30AUG04 | JOY B |
| **Spacecraft Bus C&DH & SSR Integration** | | | | | |
| 1228 | Install C&DH Components | 1 | 31AUG04 | 31AUG04 | JOY B |
| 1230 | Perform C&DH Component Safe-to-Mate | 2 | 01SEP04 | 02SEP04 | JOY B |
| 1232 | Perform C&DH Subsystem Functional Checkout | 15 | 03SEP04 | 24SEP04 | JOY B |



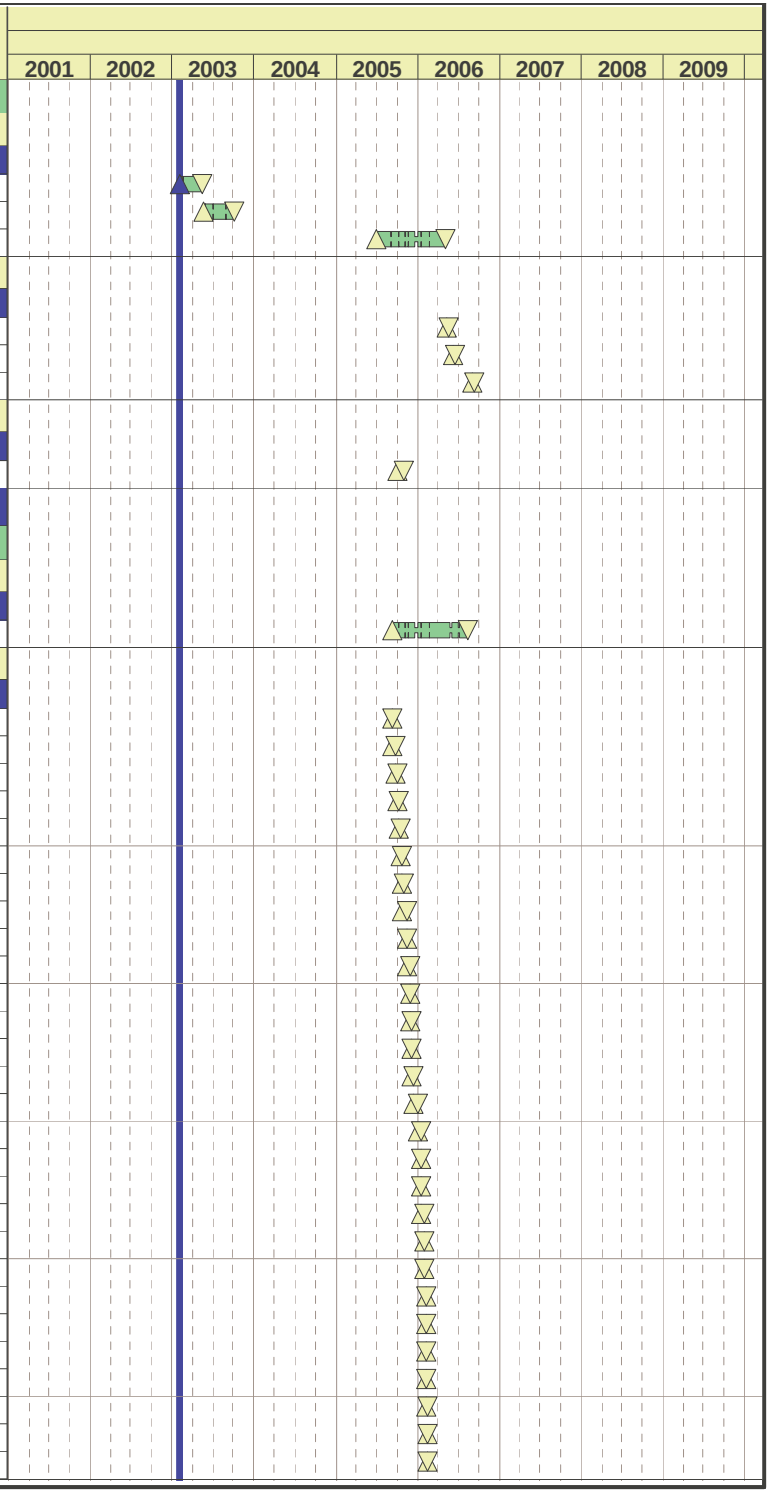
| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **Spacecraft Bus ACS Integration** | | | | | |
| 1234 | Align ACS Brackets | 5 | 15OCT04 | 21OCT04 | JOY B |
| 1236 | Install ACS Components | 5 | 22OCT04 | 28OCT04 | JOY B |
| 1238 | Perform ACS Component Safe-to-Mate | 4 | 29OCT04 | 03NOV04 | JOY B |
| 1240 | Perform ACS Subsystem Functional Checkout | 8 | 04NOV04 | 16NOV04 | JOY B |
| **Spacecraft Bus TT&C Integration** | | | | | |
| 1242 | Install X-Band Components | 1 | 27SEP04 | 27SEP04 | JOY B |
| 1244 | Perform X-Band Safe-to-Mate | 1 | 28SEP04 | 28SEP04 | JOY B |
| 1246 | Install S-Band Components | 1 | 29SEP04 | 29SEP04 | JOY B |
| 1248 | Perform S-Band Component Safe-to-Mate | 1 | 30SEP04 | 30SEP04 | JOY B |
| 1250 | Install GPS Components | 1 | 01OCT04 | 01OCT04 | JOY B |
| 1252 | Perform GPS Safe-to-Mate | 1 | 04OCT04 | 04OCT04 | JOY B |
| 1254 | Perform TT&C Subsystem Functional Checkout | 5 | 05OCT04 | 12OCT04 | JOY B |
| 1256 | Antenna Boom Deployment Test | 2 | 13OCT04 | 14OCT04 | JOY B |
| 1257 | X-Band Gimbal Testing | 2 | 13OCT04 | 14OCT04 | JOY B |
| **Spacecraft Bus Propulsion Subsystem Integration** | | | | | |
| 1258 | Propulsion Module Mechanical Integration | 1 | 13OCT04 | 13OCT04 | JOY B |
| 1260 | Propulsion Module Electrical Integration | 2 | 14OCT04 | 15OCT04 | JOY B |
| 1262 | Propulsion Module Funct C/O & Leak Chk (MEOP) | 2 | 18OCT04 | 19OCT04 | JOY B |
| **Spacecraft Full Bus Functional Testing** | | | | | |
| 1266 | Flight Software Testing | 3 | 19NOV04 | 23NOV04 | JOY B |
| 1268 | Instrument Interface Testing | 4 | 24NOV04 | 30NOV04 | JOY B |
| 1270 | Fault Protection Verification | 2 | 01DEC04 | 02DEC04 | JOY B |
| 1272 | Thermal Control System Closeout | 3 | 03DEC04 | 07DEC04 | JOY B |
| 1276 | Comprehensive Performance Test (CPT) | 6 | 08DEC04 | 15DEC04 | JOY B |
| 1278 | EMI/EMC Test | 5 | 16DEC04 | 22DEC04 | JOY B |
| 1280 | Compatibility Testing | 5 | 03JAN05 | 07JAN05 | JOY B |
| 1282 | Data Review | 1 | 10JAN05 | 10JAN05 | JOY B |
| **Other Spacecraft I&T Tasks** | | | | | |
| 1264 | Test Battery Integration | 2 | 17NOV04 | 18NOV04 | JOY B |
| 1288 | Full Deployment Test | 5 | 10JAN05 | 14JAN05 | JOY B |
| 1290 | Solar Array Fit Check | 2 | 18JAN05 | 19JAN05 | JOY B |
| 1292 | S/C Bus Ready for Observatory I&T | 0 | | 19JAN05 | JOY B |
| 1284 | Receive Solar Array Panels | 1 | 01JUN05 | 01JUN05 | JOY B |
| **Ground System & Mission Operations** | | | | | |
| **Ground System Wide Reviews** | | | | | |
| **Ground System Wide Reviews** | | | | | |
| 0100 | Ground System Requirements Review | 96* | 03FEB03A | 18JUN03 | M RACKLEY |
| 0103 | Ground System Preliminary Design Review | 115 | 19JUN03 | 03DEC03 | M RACKLEY |
| 0106 | Ground System Critical Design Review | 119 | 04DEC03 | 01JUN04 | M RACKLEY |
| 0112 | Mission Operations Review | 210 | 02JUN04 | 11APR05 | M RACKLEY |
| 0061 | Operations Readiness Review | 315 | 12APR05 | 19JUL06 | M RACKLEY |
| 0081 | Launch Freeze | 1 | 31JUL06 | 31JUL06* | M RACKLEY |



| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **Ground System Wide Documentation** | | | | | |
| **Ground System Wide Documentation** | | | | | |
| 0204 | Ground System Project Management Plan | 83* | 02JAN03A | 30APR03 | M RACKLEY |
| 0186 | Operations Concept Document Rev. 1 | 94* | 02JAN03A | 15MAY03 | M RACKLEY |
| 0168 | Ground System Requirements Documents-SRR Ver. | 105* | 02JAN03A | 02JUN03 | M RACKLEY |
| **Ground System Development** | | | | | |
| **Ground System Development Documentation** | | | | | |
| 0265 | SN / MOC ICD - Preliminary | 1 | 19JUN03 | 19JUN03 | M RACKLEY |
| 0175 | MOC / GBM IOC ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0205 | MOC / Commericial Ground Station ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0214 | MOC / Malindi Ground Station ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0604 | MOC / LAT IOC ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0619 | LAT IOC / DPF ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0643 | MOC / SSC ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0646 | MOC / GCN ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0655 | SSC / HEASARC ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0661 | MOC / SC ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0664 | SSC / LAT IOC ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0667 | SSC / GBM IOC ICD - Final | 231 | 19JUN03 | 26MAY04 | M RACKLEY |
| 0163 | SN / MOC ICD - Final | 231 | 20JUN03 | 27MAY04 | M RACKLEY |
| 0613 | Ground System Verification Plan | 193 | 01AUG03* | 14MAY04 | M RACKLEY |
| **Ground System MOC Development** | | | | | |
| 0631 | MOC Requirements Document (SRD) | 125 | 31JUL03* | 06FEB04 | M RACKLEY |
| 0169 | Design MOC Document | 147 | 02JAN04* | 30JUL04 | M RACKLEY |
| 0172 | MOC Release 1 | 64 | 02AUG04 | 01NOV04 | M RACKLEY |
| 0492 | MOC Release 2 | 85 | 02NOV04 | 15MAR05 | M RACKLEY |
| 0510 | MOC Release 3 | 107 | 16MAR05 | 15AUG05 | M RACKLEY |
| 0528 | MOC Release 4 | 151 | 16AUG05 | 31MAR06 | M RACKLEY |
| **Ground System SSC Development** | | | | | |
| 0616 | SSC Design Spec | 106 | 24NOV03* | 03MAY04 | M RACKLEY |
| 1012 | SSC Verification Plan | 106 | 24NOV03* | 03MAY04 | M RACKLEY |
| 1015 | SSC Development Plan | 106 | 24NOV03* | 03MAY04 | M RACKLEY |
| 0994 | SSC Hardware Phase 1 (Single) | 15* | 09FEB04 | 01MAR04 | M RACKLEY |
| 1006 | SSC Hardware Phase 2 (Multi) | 216 | 02MAR04 | 14JAN05 | M RACKLEY |
| 0622 | SSC Release 1 | 1 | 30JUN04* | 30JUN04 | M RACKLEY |
| 0625 | SSC Release 2 | 1 | 14JAN05* | 14JAN05 | M RACKLEY |
| 1009 | SSC Hardware Phase 3 (Final) | 276 | 18JAN05 | 01MAR06 | M RACKLEY |
| 0628 | SSC Release 3 | 1 | 02MAY05* | 02MAY05 | M RACKLEY |
| 0991 | SSC Release 4 | 1 | 01AUG05* | 01AUG05 | M RACKLEY |
| **Ground System LAT IOC Development** | | | | | |
| 1078 | LAT IOC (SAS/DPF) Release 1 | 72* | 02JAN03A | 15APR03 | M RACKLEY |
| 1081 | LAT IOC (SAS/DPF) Release 2 | 279 | 16APR03 | 01JUN04 | M RACKLEY |
| 1087 | LAT IOC (SAS/Sci Tools) Release 1 | 247 | 02JUN03* | 01JUN04 | M RACKLEY |
| 1018 | LAT IOC (LOF) Release 1 | 56 | 02JUN04 | 19AUG04 | M RACKLEY |

| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 1084 | LAT IOC (SAS/DPF) Release 3 | 246 | 02JUN04 | 01JUN05 | M RACKLEY |
| 1090 | LAT IOC (SAS/Sci Tools) Release 2 | 246 | 02JUN04 | 01JUN05 | M RACKLEY |
| 1021 | LAT IOC (LOF) Release 2 | 269 | 20AUG04 | 22SEP05 | M RACKLEY |
| 1030 | LAT IOC (LOF) Release 3 | 158* | 23SEP05 | 18MAY06 | M RACKLEY |
| 1033 | LAT IOC (LOF) Release 4 | 46* | 19MAY06 | 25JUL06 | M RACKLEY |
| **Ground System GBM IOC Development** | | | | | |
| 1093 | GBM IOC Plan - Draft | 190* | 02JAN03A | 01OCT03 | M RACKLEY |
| 1036 | GBM IOC (DA/MO) PDR | 1 | 05MAR03* | 05MAR03 | M RACKLEY |
| 1039 | GBM IOC (DA/MO) CDR | 1 | 01OCT03* | 01OCT03 | M RACKLEY |
| 1099 | Prepare GBM IOC H/W Req's/Funct Spec - Draft | 66 | 01OCT03 | 14JAN04 | M RACKLEY |
| 1096 | GBM IOC Plan - Final | 65 | 02OCT03 | 14JAN04 | M RACKLEY |
| 1042 | GBM IOC (DA/MO) Release 1 | 191 | 02OCT03 | 14JUL04 | M RACKLEY |
| 1102 | Prepare GBM IOC H/W Req's/Funct Spec - Final | 118 | 15JAN04 | 01JUL04 | M RACKLEY |
| 1105 | Acquire IOC Hardware | 169 | 01APR04* | 01DEC04 | M RACKLEY |
| 1045 | GBM IOC (DA/MO) Release 2 | 246 | 15JUL04 | 14JUL05 | M RACKLEY |
| 1108 | GBM IOC Facility Complete | 1 | 01MAR05 | 01MAR05 | M RACKLEY |
| **Ground System Verification** | | | | | |
| **Ground System Verification Documentation** | | | | | |
| 0456 | Ground System Test Requirements Database | 86 | 02JUN04 | 01OCT04 | M RACKLEY |
| **Ground Readiness Test (GRTs)** | | | | | |
| 0498 | GRT1 Test Plan/Script Gen & Review | 15 | 19OCT04* | 09NOV04 | M RACKLEY |
| 0462 | GRT1 Execute Test | 1 | 10NOV04 | 10NOV04 | M RACKLEY |
| 0516 | GRT1 Analysis & Report | 11 | 11NOV04 | 26NOV04 | M RACKLEY |
| 0474 | RF Compatibility Test 1 | 5 | 06DEC04* | 10DEC04 | M RACKLEY |
| 0534 | GRT2 Test Plan/Script Gen & Review | 15 | 11MAR05* | 31MAR05 | M RACKLEY |
| 0558 | GRT2 Execute Test | 1 | 01APR05 | 01APR05 | M RACKLEY |
| 0560 | GRT2 Analysis & Report | 9 | 04APR05 | 14APR05 | M RACKLEY |
| 0504 | GRT3 Test Plan/Script Gen & Review | 15 | 24MAY05* | 14JUN05 | M RACKLEY |
| 0468 | GRT3 Execute Test | 1 | 15JUN05 | 15JUN05 | M RACKLEY |
| 0522 | GRT3 Analysis & Report | 10 | 16JUN05 | 29JUN05 | M RACKLEY |
| 0540 | GRT4 Test Plan/Script Gen & Review | 19 | 05AUG05* | 31AUG05 | M RACKLEY |
| 0670 | GRT4 Execute Test | 1 | 01SEP05 | 01SEP05 | M RACKLEY |
| 0634 | GRT4 Analysis & Report | 10 | 02SEP05 | 16SEP05 | M RACKLEY |
| 0637 | GRT5 Test Plan/Script Gen & Review | 15 | 24OCT05* | 14NOV05 | M RACKLEY |
| 0640 | GRT5 Execute Test | 1 | 15NOV05 | 15NOV05 | M RACKLEY |
| 0649 | GRT5 Analysis & Report | 10 | 16NOV05 | 30NOV05 | M RACKLEY |
| 0546 | RF Compatibility Test 2 | 5 | 09JAN06* | 13JAN06 | M RACKLEY |
| 0652 | GRT6 Test Plan/Script Gen & Review | 15 | 25JAN06* | 14FEB06 | M RACKLEY |
| 0679 | GRT6 Execute Test | 1 | 15FEB06 | 15FEB06 | M RACKLEY |
| 0682 | GRT6 Analysis & Report | 10 | 16FEB06 | 02MAR06 | M RACKLEY |
| 0760 | GRT7 Test Plan/Script Gen & Review | 15 | 10APR06* | 28APR06 | M RACKLEY |
| 0561 | RF Compatibility Test 3 | 1 | 13APR06* | 13APR06 | M RACKLEY |
| 0799 | GRT7 Execute Test | 1 | 01MAY06 | 01MAY06 | M RACKLEY |
| 0988 | GRT7 Analysis & Report | 1 | 02MAY06 | 02MAY06 | M RACKLEY |

| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **Mission Operations** | | | | | |
| **Mission Operations Documentation** | | | | | |
| 0483 | Operations Concept Update | 73* | 03FEB03A | 15MAY03 | M RACKLEY |
| 0489 | Operations Agreements | 95 | 19MAY03* | 01OCT03 | M RACKLEY |
| 0480 | Flight Operations Manual | 208 | 30JUN05* | 05MAY06 | M RACKLEY |
| **Mission Simulations** | | | | | |
| 0676 | Mission Sim 1 | 2 | 15MAY06 | 16MAY06 | M RACKLEY |
| 0688 | Mission Sim 2 | 2 | 13JUN06 | 14JUN06 | M RACKLEY |
| 0691 | Mission Sim 3 | 2 | 05SEP06 | 06SEP06 | M RACKLEY |
| **Flight Operations Training** | | | | | |
| 0658 | MOC Training | 20 | 30SEP05* | 28OCT05 | M RACKLEY |
| **Observatory Integration and Test** | | | | | |
| **Observatory Integration & Test** | | | | | |
| **Observatory Integration & Test Top-Level Tasks** | | | | | |
| 0020 | Observatory Integration & Test-SUMM | 227* | 08SEP05 | 10AUG06 | ED S |
| **Observatory Integration and Test** | | | | | |
| 0233 | GBM Mechanical Integration to S/C | 4 | 08SEP05 | 13SEP05 | ED S |
| 0236 | GBM Electrical Integration to S/C | 7 | 14SEP05 | 22SEP05 | ED S |
| 0564 | GBM Functional Test | 7 | 23SEP05 | 03OCT05 | ED S |
| 0230 | LAT Mechanical Integration to S/C | 4 | 04OCT05 | 07OCT05 | ED S |
| 0239 | LAT Electrical Integration to S/C | 7 | 11OCT05 | 19OCT05 | ED S |
| 0243 | LAT Functional Test | 5 | 20OCT05 | 26OCT05 | ED S |
| 0557 | Radioactive Source Survey (Needs to Move) | 4 | 27OCT05 | 01NOV05 | ED S |
| 0563 | Obs Comprehensive Performance Test (CPT) #1 | 10 | 27OCT05 | 10NOV05 | ED S |
| 0566 | Compatibility Test #1 | 5 | 11NOV05 | 17NOV05 | ED S |
| 0569 | Observatory EMI/EMC Test | 7 | 18NOV05 | 29NOV05 | ED S |
| 0573 | Limited Performance Test (LPT) #1 | 1 | 30NOV05 | 30NOV05 | ED S |
| 0572 | Solar Array Integration | 2 | 01DEC05 | 02DEC05 | ED S |
| 0582 | Solar Array First Motion Test #1 | 3 | 05DEC05 | 07DEC05 | ED S |
| 0242 | Observatory Alignment Verification #1 | 2 | 08DEC05 | 09DEC05 | ED S |
| 0248 | Pre-Environ Obs Comprehensive Perf Test | 10 | 12DEC05 | 03JAN06 | ED S |
| 0251 | Acoustics Test | 10 | 04JAN06 | 18JAN06 | ED S |
| 0254 | Limited Performance Test (LPT) #2 | 1 | 19JAN06 | 19JAN06 | ED S |
| 0594 | GBM Calibration #1 | 1 | 19JAN06 | 19JAN06 | ED S |
| 0257 | Sine Vibration Test | 10 | 20JAN06 | 02FEB06 | ED S |
| 0260 | Limited Performance Test (LPT) #3 | 1 | 03FEB06 | 03FEB06 | ED S |
| 0261 | GBM Calibration #2 | 1 | 03FEB06 | 03FEB06 | ED S |
| 0263 | Pyro Shock & Separation Test | 2 | 06FEB06 | 07FEB06 | ED S |
| 0266 | Limited Performance Test (LPT) #4 | 1 | 08FEB06 | 08FEB06 | ED S |
| 0267 | GBM Calibration #3 | 1 | 08FEB06 | 08FEB06 | ED S |
| 0245 | Propulsion System Leak Test (Low Pressure) | 1 | 09FEB06 | 09FEB06 | ED S |
| 0273 | Solar Array First Motion Test #2 | 3 | 10FEB06 | 14FEB06 | ED S |
| 0550 | ETE1 - T&C | 1 | 15FEB06 | 15FEB06 | M RACKLEY |
| 0279 | Observatory Alignment Verification #2 | 2 | 16FEB06 | 17FEB06 | ED S |



| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0272 | Solar Array Removal | 2 | 21FEB06 | 22FEB06 | ED S |
| 0275 | Observatory Magnetics Test | 4 | 23FEB06 | 28FEB06 | ED S |
| 0278 | Obs Thermal Vacuum & Balance Tests (7Day/Wk) | 65 | 01MAR06 | 04MAY06 | ED S |
| 0486 | ETE2 - LAT & GBM | 1 | 22MAR06 | 22MAR06 | M RACKLEY |
| 0606 | Compatibility Test #2 | 1 | 23MAR06 | 23MAR06 | ED S |
| 0281 | Obs Comprehensive Performance Test (CPT) #3 | 3 | 05MAY06 | 09MAY06 | ED S |
| 0291 | GBM Calibration #4 | 1 | 10MAY06 | 10MAY06 | ED S |
| 0303 | Propulsion System Funct C/O & Leak Chk (MEOP) | 2 | 11MAY06 | 12MAY06 | ED S |
| 0309 | Compatibility Test #3 | 5 | 17MAY06 | 23MAY06 | ED S |
| 0552 | ETE3 - Launch & Normal Operations | 1 | 24MAY06 | 24MAY06 | M RACKLEY |
| 0287 | Solar Array Installation | 2 | 25MAY06 | 26MAY06 | ED S |
| 0321 | Solar Array First Motion Test #3 | 3 | 30MAY06 | 01JUN06 | ED S |
| 0290 | Optical Alignments | 2 | 02JUN06 | 05JUN06 | ED S |
| 0575 | Obs Mass Properties Verification(Obs I&T Finish) | 5 | 06JUN06 | 12JUN06 | ED S |
| 0673 | ETE4 - Spec & Contingency Operations | 1 | 15JUN06 | 15JUN06 | M RACKLEY |
| 0578 | Pack for Shipment | 5 | 01AUG06 | 05AUG06 | ED S |
| 0079 | Ship Glast to Launch Site | 5 | 06AUG06 | 10AUG06 | AL V |
| 0685 | ETE5 - Pad Data Flow | 1 | 01SEP06 | 01SEP06 | M RACKLEY |
| **DLV Launch Services** | | | | | |
| **Mission Operations** | | | | | |
| **Delta Launch Vehicle Development** | | | | | |
| 0301 | Delta Launch Vehicle Development | 446 | 01OCT04 | 27JUL06 | AL V |
| **Delta Launch Vehicle Documentation** | | | | | |
| **Glast Project Supplied Documents (Select)** | | | | | |
| **Glast Project Supplied Documents (Select)** | | | | | |
| 0888 | Payload MSPSP - Draft (PDR +45D) | 1 | 14JUN03 | 14JUN03 | AL V |
| 0908 | Payload MSPSP - Preliminary (CDR + 45D) | 1 | 23MAR04 | 23MAR04 | AL V |
| 0918 | Payload MSPSP - Final (L-?) | 1 | 24MAR04 | 24MAR04 | AL V |
| 0728 | ATP (L-117w) | 1 | 01JUL04 | 01JUL04 | AL V |
| 0388 | S/C Payload Questionnaire(Update A/R)(ATP + 12w) | 1 | 01OCT04 | 01OCT04 | AL V |
| 0698 | S/C Requirements Doc (ATP + 12w) | 1 | 01OCT04 | 01OCT04 | AL V |
| 0427 | P/L Req for PGAA(Perf&Gde Accur Anlys)(ATP+14w) | 1 | 07OCT04 | 07OCT04 | AL V |
| 0421 | Electrical Wiring Reqs Input(Flt Segment)(L-78w) | 1 | 01APR05 | 01APR05 | AL V |
| 0424 | S/C Payload Drawings(Update A/R) Initial (L-78w) | 1 | 01APR05 | 01APR05 | AL V |
| 0453 | P/L Fairing Clearance Anlys-Initial Rvw (L-78w) | 1 | 01APR05 | 01APR05 | AL V |
| 0671 | Electrical Wiring Reqs Input(Grd Segment)(L-78w) | 1 | 01APR05 | 01APR05 | AL V |
| 0758 | Fairing/PAF Interface Requirements (L-78w) | 1 | 01APR05 | 01APR05 | AL V |
| 0418 | Payload Requirement for PMA (L-66w) | 1 | 24JUN05 | 24JUN05 | AL V |
| 0430 | Mass Property Statement for PMA (L-66w) | 1 | 24JUN05 | 24JUN05 | AL V |
| 0442 | Second PGAA Mass Prop, Incl Uncertainties(L-66w) | 1 | 24JUN05 | 24JUN05 | AL V |
| 0471 | Payload Inputs to DMR Annex (L-60w) | 1 | 05AUG05 | 05AUG05 | AL V |
| 0501 | Payload Inputs to PRD/OR (L-60w) | 1 | 05AUG05 | 05AUG05 | AL V |
| 0656 | Payload RF Systems Summary (L-60w) | 1 | 05AUG05 | 05AUG05 | AL V |
| 0465 | S/C Payload Compat Drwgs-Initial Rvw (L-58) | 1 | 19AUG05 | 19AUG05 | AL V |
| 0978 | Launch Vehicle Insignia (L-43w) | 1 | 02DEC05 | 02DEC05 | AL V |
| 1455 | S/C-to-Blkhouse Wiring Diagram(FS)Rvw(L-42w) | 1 | 09DEC05 | 09DEC05 | AL V |
| 1475 | S/C-to-Blkhouse Wiring Diagram(GS)Rvw(L-42w) | 1 | 09DEC05 | 09DEC05 | AL V |
| 0433 | Mass Property Statement for DTO/VLC)(L-39w) | 1 | 30DEC05 | 30DEC05 | AL V |

| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
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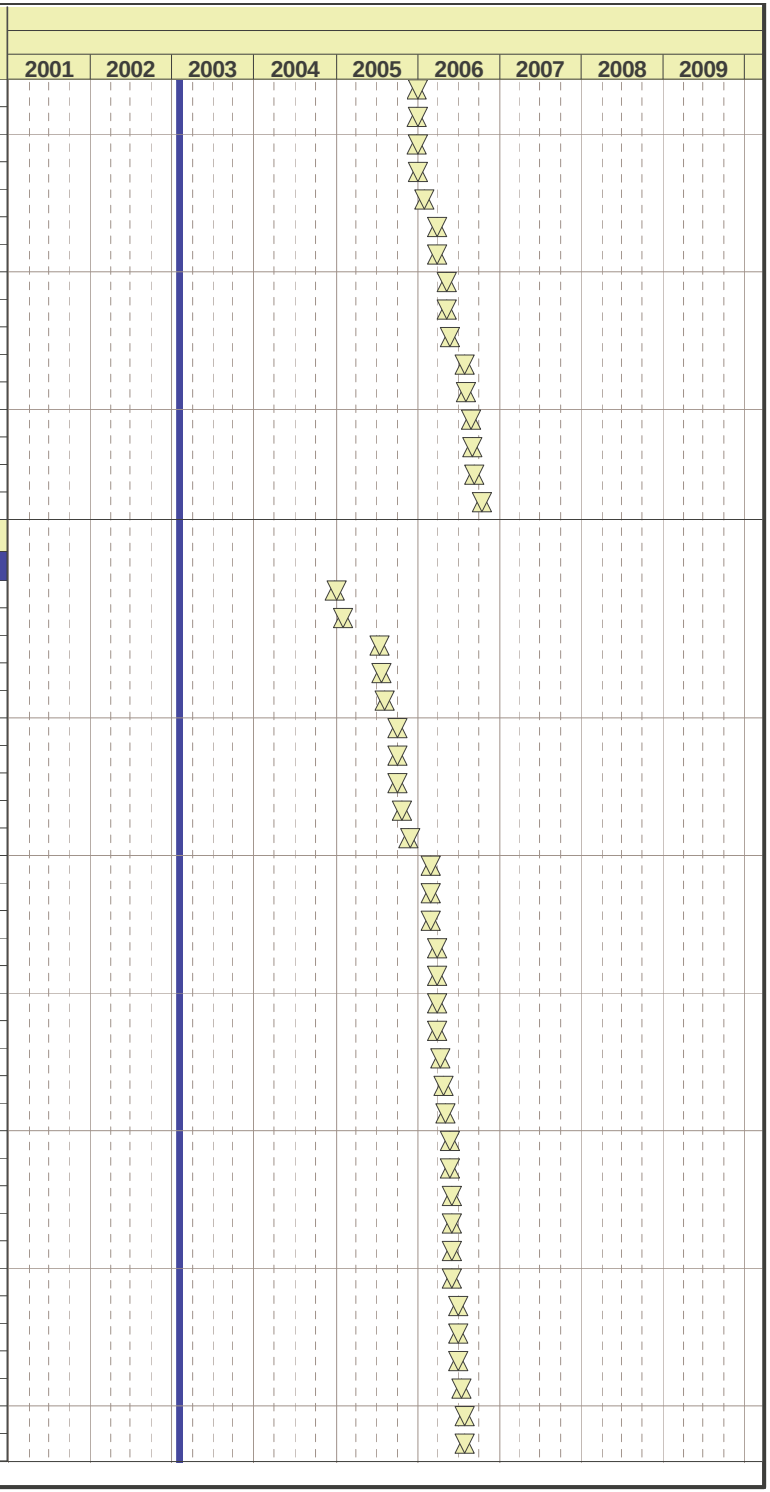
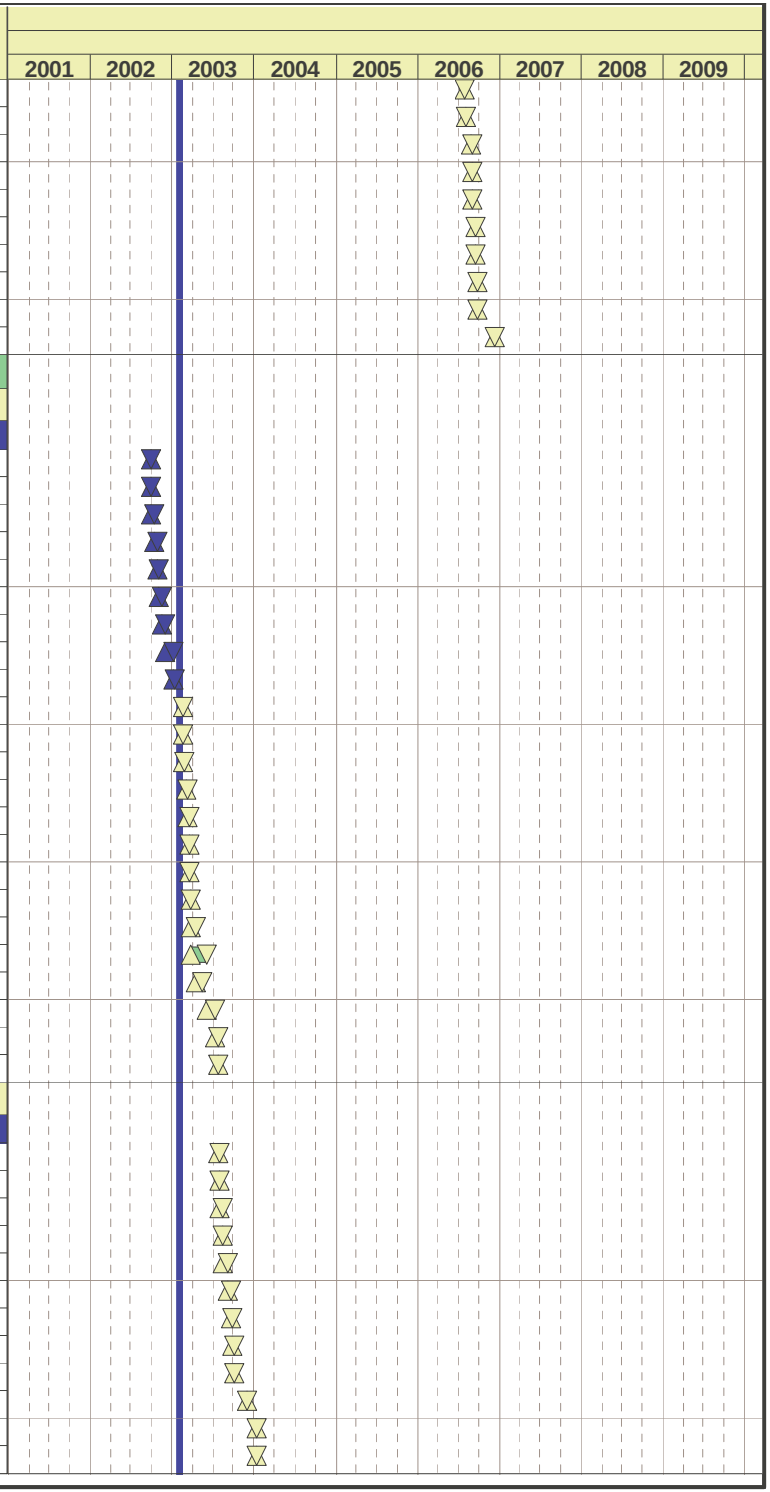
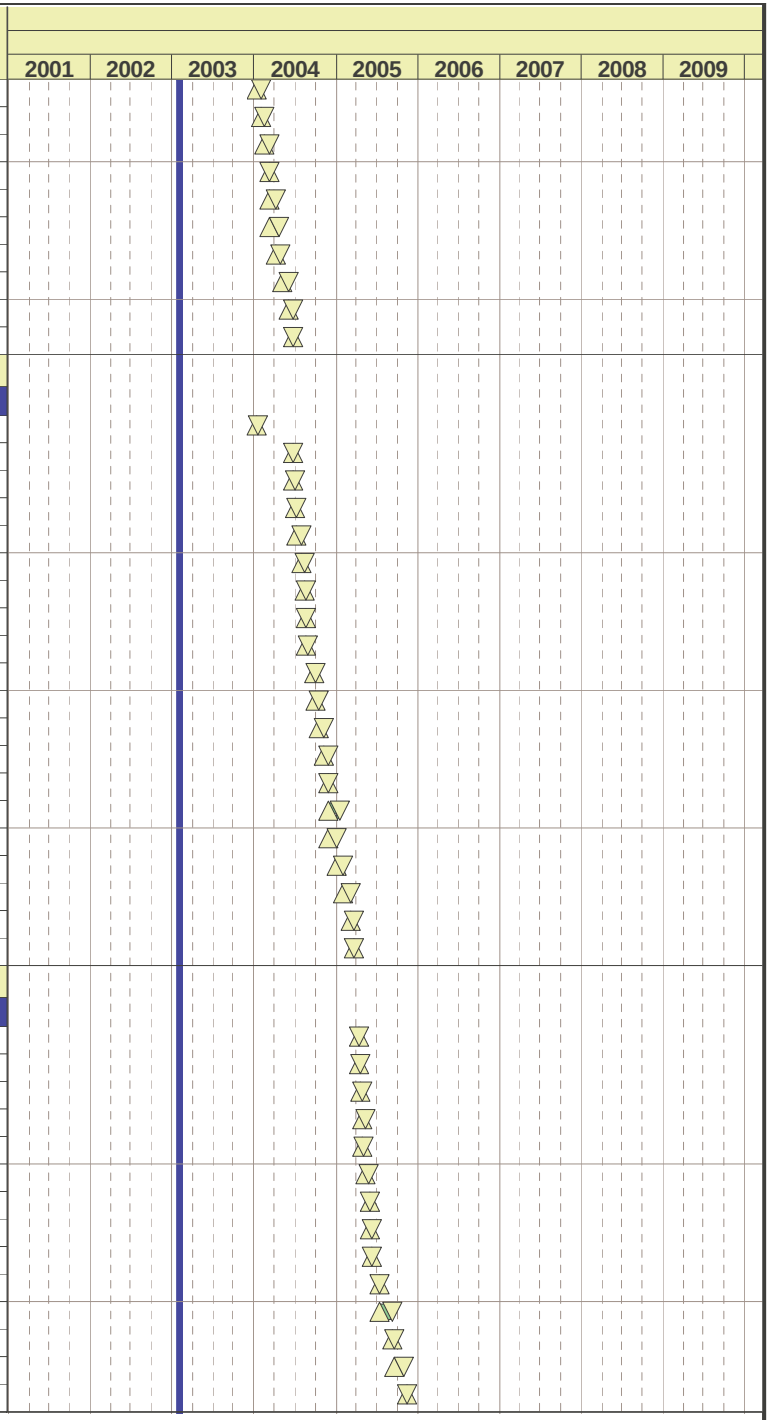
| 0436 | Payload Requirement for DTO (L-39w) | 1 | 30DEC05 | 30DEC05 | AL V |
| 0459 | P/L Fairing Clearance Anlys-Final Rvw (L-39w) | 1 | 30DEC05 | 30DEC05 | AL V |
| 1445 | S/C Payload Compat Drwgs-Final Rvw(L-39w) | 1 | 30DEC05 | 30DEC05 | AL V |
| 0654 | Payload Thermal Model (L-38w) | 1 | 06JAN06 | 06JAN06 | AL V |
| 0788 | Payload Launch Site Test Plan (LSTP) (L-34w) | 1 | 03FEB06 | 03FEB06 | AL V |
| 0451 | Payload Requirement for Venting (L-26w) | 1 | 31MAR06 | 31MAR06 | AL V |
| 0477 | Payload Stability & Controls Model (L-26w) | 1 | 31MAR06 | 31MAR06 | AL V |
| 0848 | Final S/C LSCCP | 1 | 12MAY06 | 12MAY06 | AL V |
| 0878 | Payload Integrated Operations Input (L-20w) | 1 | 12MAY06 | 12MAY06 | AL V |
| 0818 | Payload Launch Site Procedures (LSP) (L-18w) | 1 | 26MAY06 | 26MAY06 | AL V |
| 0948 | Launch Operations Plan, Comments (L-9w) | 1 | 28JUL06 | 28JUL06 | AL V |
| 0660 | S/C RF Application (L-8w) | 1 | 04AUG06 | 04AUG06 | AL V |
| 0439 | Payload Requirement for FMA (L-5w) | 1 | 25AUG06 | 25AUG06 | AL V |
| 0448 | Post-Weigh & Spin Balance Mass Prop (l-4w) | 1 | 01SEP06 | 01SEP06 | AL V |
| 0938 | Mission Success Criteria Response (L-3w) | 1 | 08SEP06 | 08SEP06 | AL V |
| 0968 | Post-Launch Orbit Confirmation (L+2w) | 1 | 18OCT06 | 18OCT06 | AL V |
| **Boeing DLV Supplied Documents (Select)** | | | | | |
| **Boeing DLV Supplied Documents (Select)** | | | | | |
| 0454 | Mission Specification (Initial) (ATP + 26w) | 1 | 31DEC04 | 31DEC04 | AL V |
| 0457 | PGAA Trajectory Feasibility Study (ATP+31w) | 1 | 03FEB05 | 03FEB05 | AL V |
| 0493 | P/L Fairing Clearance Anlys-Interm Charts(L-63w) | 1 | 15JUL05 | 15JUL05 | AL V |
| 0469 | S/C Payload Compatibility Drwgs Initial (L-62w) | 1 | 22JUL05 | 22JUL05 | AL V |
| 0475 | Payload Separation Analysis-Initial (L-60w) | 1 | 05AUG05 | 05AUG05 | AL V |
| 0445 | S/C-to-Blkhouse Wiring Diagram(FS)Initial(L-52w) | 1 | 30SEP05 | 30SEP05 | AL V |
| 0460 | S/C-to-Blkhouse Wiring Diagram(GS)Initial(L-52w) | 1 | 30SEP05 | 30SEP05 | AL V |
| 0484 | S/C Payload Compatibility Drwgs-Interm (L-52w) | 1 | 30SEP05 | 30SEP05 | AL V |
| 0463 | Preliminary Mission Analysis (PMA) (L-49w) | 1 | 21OCT05 | 21OCT05 | AL V |
| 0549 | DMR Annex (Detailed Mission Req's) (L-44w) | 1 | 25NOV05 | 25NOV05 | AL V |
| 0887 | PAF Fitcheck (Flight PAF) (L-7m) | 1 | 01MAR06 | 01MAR06 | AL V |
| 0531 | P/L-L/V EMI/EMC & RF Compat Anlys (L-30w) | 1 | 03MAR06 | 03MAR06 | AL V |
| 0764 | S/C Payload Compatibility Drwgs-Final (L-30w) | 1 | 03MAR06 | 03MAR06 | AL V |
| 0478 | Coupled Loads Analysis - VLC-Final (L-26w) | 1 | 30MAR06* | 30MAR06 | AL V |
| 0481 | S/C-to-Blkhouse Wiring Diagram(FS)Final(L-26w) | 1 | 31MAR06 | 31MAR06 | AL V |
| 0519 | Pre-Flight Controls & Stability Analysis (L-26w) | 1 | 31MAR06 | 31MAR06 | AL V |
| 0701 | S/C-to-Blkhouse Wiring Diagram(GS)Final(L-26w) | 1 | 31MAR06 | 31MAR06 | AL V |
| 0867 | Launch Vehicle Insignia (L-24w) | 1 | 14APR06 | 14APR06 | AL V |
| 0513 | P/L Fairing Clearance Anlys-Final Drwng (L-22w) | 1 | 28APR06 | 28APR06 | AL V |
| 0466 | Detailed Test Objective (DTO) (L-21w) | 1 | 05MAY06 | 05MAY06 | AL V |
| 0490 | Payload Venting Fairing Analysis (L-18w) | 1 | 26MAY06 | 26MAY06 | AL V |
| 0525 | Integrated Thermal Analysis (L-18w) | 1 | 26MAY06 | 26MAY06 | AL V |
| 0897 | First Stage Final Assembly (L-4m) | 1 | 01JUN06 | 01JUN06 | AL V |
| 0917 | Second Stage Final Assembly (L-4m) | 1 | 01JUN06 | 01JUN06 | AL V |
| 0797 | Mission Success Criteria Submittal (L-17w) | 1 | 02JUN06 | 02JUN06 | AL V |
| 0807 | Launch Operations Plan-Initial (L-17w) | 1 | 02JUN06 | 02JUN06 | AL V |
| 0927 | Interstage Build (L-3m) | 1 | 01JUL06 | 01JUL06 | AL V |
| 0947 | 9.5' Fairing Build (L-3m) | 1 | 01JUL06 | 01JUL06 | AL V |
| 0957 | First & Second Stage VSTR (L-3m) | 1 | 01JUL06 | 01JUL06 | AL V |
| 0977 | DMCO Testing (L-2.5m) | 1 | 16JUL06 | 16JUL06 | AL V |
| 0767 | Launch Vehicle MSPSP (L-9w) | 1 | 28JUL06 | 28JUL06 | AL V |
| 0987 | Area 55 2nd Stage High Pressure Testing (L-2m) | 1 | 01AUG06 | 01AUG06 | AL V |



| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 1007 | Fairing, PAF, Interstage VSTR (L-2m) | 1 | 01AUG06 | 01AUG06 | AL V |
| 0537 | Mission Unique S/W-Prelim Rel (L-8w) | 1 | 04AUG06 | 04AUG06 | AL V |
| 1017 | Pre-VOS (L-30D) | 1 | 30AUG06 | 30AUG06 | AL V |
| 0699 | Mission Specification - Final Verification(L-4w) | 1 | 01SEP06 | 01SEP06 | AL V |
| 0827 | Launch Operations Plan-Final (L-4w) | 1 | 01SEP06 | 01SEP06 | AL V |
| 0472 | Final Mission Analysis (FMA) (L-2w) | 1 | 15SEP06 | 15SEP06 | AL V |
| 0543 | Miss Constr Drwng(MCD)-Final Rel, Part 1 (L-2w) | 1 | 15SEP06 | 15SEP06 | AL V |
| 0487 | Payload Separation Analysis-Final (L-1w) | 1 | 22SEP06 | 22SEP06 | AL V |
| 0507 | MCD & Guidance, Targeting & Perf Memo (L-5D) | 1 | 24SEP06 | 24SEP06 | AL V |
| 0857 | Post Launch Flight Report (L+9w) | 1 | 14DEC06 | 14DEC06 | AL V |
| **Coupled Loads Analysis** | | | | | |
| **Early CLA Cycle (Post GBM & LAT PDR)** | | | | | |
| **Early CLA Cycle** | | | | | |
| 0579 | (MSFC) Deliv PDR Level GBM FEM Mod/Info to S/C | 1 | 30SEP02A | 30SEP02A | SHARON S |
| 0585 | (SLAC) Deliv LAT PDR FEM Model to GSFC | 1 | 30SEP02A | 30SEP02A | SHARON S |
| 0591 | (GSFC)Translate LAT Mod w/FEMAP,ANSYS to NASTRAN | 8 | 01OCT02A | 10OCT02A | SHARON S |
| 0840 | (GSFC) Analyst Unavailable | 8 | 11OCT02A | 23OCT02A | SHARON S |
| 0597 | (GSFC) Check LAT NASTRAN Model | 7 | 24OCT02A | 01NOV02A | SHARON S |
| 0603 | (GSFC) Reduce LAT NASTRAN Model to CB Model | 10 | 04NOV02A | 15NOV02A | SHARON S |
| 0609 | (GSFC) Create LAT LTM | 18 | 18NOV02A | 03DEC02A | SHARON S |
| 0615 | (GSFC) Check LAT LTM and LAT CB Model & Prep Doc | 20 | 04DEC02A | 09JAN03A | SHARON S |
| 0621 | (GSFC) Deliv LAT LTM, CB Model & Doc to S/C | 1 | 10JAN03A | 10JAN03A | SHARON S |
| 0648 | GSFC Contracts Deliver Obs Model to KSC | 1 | 18FEB03 | 18FEB03 | SHARON S |
| 0753 | Delvr Model Copy to Code 542 for MECO Basedrive | 1 | 19FEB03 | 19FEB03 | SHARON S |
| 0639 | (KSC/B) Create Launch Config CB Model & LTM | 8 | 19FEB03 | 28FEB03 | SHARON S |
| 0645 | (KSC/B) Forcing Func's to Launch Config CB Model | 6 | 03MAR03 | 10MAR03 | SHARON S |
| 0651 | (KSC/B) Apply LTM to CB Model Results(For LAT) | 7 | 11MAR03 | 19MAR03 | SHARON S |
| 0822 | KSC Deliver CB/LTM to GSFC Contracts | 1 | 20MAR03 | 20MAR03 | SHARON S |
| 0870 | GSFC Contracts Deliver CB/LTM to S/C & Code 542 | 1 | 21MAR03 | 21MAR03 | SHARON S |
| 0657 | (KSC/B) Deliv Prelim CLA Results to GSFC & S/C | 1 | 24MAR03 | 24MAR03 | SHARON S |
| 0663 | (GSFC) Data Post-Processing | 18 | 25MAR03 | 17APR03 | SHARON S |
| 0843 | (KSC/B) Deliver Final CLA Report & Results | 50 | 25MAR03 | 03JUN03 | SHARON S |
| 0666 | (GSFC) Data Extraction | 18 | 18APR03 | 13MAY03 | SHARON S |
| 0846 | (GSFC) Revisit Data Processing & Data Extraction | 24 | 04JUN03 | 08JUL03 | SHARON S |
| 0669 | (GSFC) Write GBM&LAT Interest Data Memo Results | 12 | 09JUL03 | 24JUL03 | SHARON S |
| 0672 | (GSFC) Deliv GBM&LAT Interest Data Memo Results | 1 | 25JUL03 | 25JUL03 | SHARON S |
| **PDR CLA Cycle(Post GBM&LAT CDR,Post PDR S/C)** | | | | | |
| **PDR CLA Cycle** | | | | | |
| 0837 | LAT CDR Model Updates | 5 | 28JUL03 | 01AUG03 | SHARON S |
| 0678 | (SLAC) Deliv LAT CDR Dynamics Model to GSFC | 1 | 04AUG03 | 04AUG03 | SHARON S |
| 0681 | (GSFC)Translate LAT Mod w/FEMAP,ANSYS to NASTRAN | 6 | 05AUG03 | 12AUG03 | SHARON S |
| 0684 | (GSFC) Check LAT NASTRAN Model | 4 | 13AUG03 | 18AUG03 | SHARON S |
| 0687 | (GSFC) Reduce LAT NASTRAN Model to CB Model | 12 | 19AUG03 | 04SEP03 | SHARON S |
| 0690 | (GSFC) Create LAT LTM | 12 | 05SEP03 | 22SEP03 | SHARON S |
| 0693 | (GSFC) Check LAT LTM & LAT CB Model | 3 | 23SEP03 | 25SEP03 | SHARON S |
| 0810 | GSFC Doc & Deliver LAT CB/LTM to GSFC Contracts | 4 | 26SEP03 | 01OCT03 | SHARON S |
| 0819 | GSFC Contracts Deliver LAT CB/LTM to S/C | 2 | 02OCT03 | 03OCT03 | SHARON S |
| 0675 | (MSFC) Deliv CDR Level GBM FEM Mod/Info to GSFC | 1 | 28NOV03* | 28NOV03 | SHARON S |
| 0702 | GSFC Contracts Deliver Obs CB/LTM to KSC | 1 | 12JAN04 | 12JAN04 | SHARON S |
| 0756 | Deliver Copy to Code 542 for MECO Basedrive | 1 | 13JAN04 | 13JAN04 | SHARON S |



| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| 0705 | (KSC/B) Create Launch Config CB Model & LTM | 13 | 13JAN04 | 30JAN04 | SHARON S |
| 0708 | (KSC/B) Forcing Func's to Launch Config CB Model | 13 | 02FEB04 | 19FEB04 | SHARON S |
| 0711 | (KSC/B) Apply LTM to CB Model Results | 14 | 20FEB04 | 10MAR04 | SHARON S |
| 0714 | (KSC/B) Deliv Prelim CLA Results to GSFC & S/C | 1 | 11MAR04 | 11MAR04 | SHARON S |
| 0717 | (GSFC) Data Post-Processing | 18 | 12MAR04 | 06APR04 | SHARON S |
| 0849 | (KSC/B) Deliv Final CLA Report & Results | 30 | 12MAR04 | 22APR04 | SHARON S |
| 0720 | (GSFC) Data Extraction | 18 | 07APR04 | 30APR04 | SHARON S |
| 0852 | (GSFC) Revisit Data Processing & Data Extraction | 24 | 03MAY04 | 04JUN04 | SHARON S |
| 0723 | (GSFC)Write GBM & LAT Interest Data Memo Results | 12 | 07JUN04 | 22JUN04 | SHARON S |
| 0726 | (GSFC)Deliv GBM & LAT Interest Data Memo Results | 1 | 23JUN04 | 23JUN04 | SHARON S |
| **CDR CLA Cycle (Post GBM, LAT& S/C CDR)** | | | | | |
| **CDR CLA Cycle** | | | | | |
| 0729 | (MFSC)Delv Updtd GBM CDR Lvl FEM Mod/Inf to GSFC | 1 | 16JAN04* | 16JAN04 | SHARON S |
| 0732 | (SLAC)Deliv Updated LAT CDR Dynamics Mod to GSFC | 1 | 24JUN04 | 24JUN04 | SHARON S |
| 0735 | (GSFC)Translate LAT Mod w/FEMAP,ANSYS to NASTRAN | 6 | 25JUN04 | 02JUL04 | SHARON S |
| 0738 | (GSFC) Check LAT NASTRAN Model | 4 | 06JUL04 | 09JUL04 | SHARON S |
| 0741 | (GSFC) Reduce LAT NASTRAN Model to CB Model | 12 | 12JUL04 | 27JUL04 | SHARON S |
| 0744 | (GSFC) Create LAT LTM | 12 | 28JUL04 | 12AUG04 | SHARON S |
| 0747 | (GSFC) Check LAT LTM & LAT CB Model | 3 | 13AUG04 | 17AUG04 | SHARON S |
| 0750 | GSFC Doc/Deliv LAT LTM/CB Mod to GSFC Contracts | 4 | 18AUG04 | 23AUG04 | SHARON S |
| 0876 | GSFC Contracts Deliver LAT CB/LTM to S/C | 2 | 24AUG04 | 25AUG04 | SHARON S |
| 0873 | GSFC Contracts Deliver Obs CB/LTM to KSC | 2 | 29SEP04 | 30SEP04 | SHARON S |
| 0759 | (KSC/B) Create Launch Config CB Model & LTM | 13 | 01OCT04 | 20OCT04 | SHARON S |
| 0762 | (KSC/B) Forcing Func's to Launch Config CB Model | 13 | 21OCT04 | 09NOV04 | SHARON S |
| 0765 | (KSC/B) Apply LTM to CB Model Results | 14 | 10NOV04 | 30NOV04 | SHARON S |
| 0768 | (KSC/B) Deliv Prelim CLA Results to GSFC & S/C | 1 | 01DEC04 | 01DEC04 | SHARON S |
| 0855 | (KSC/B) Deliver Final CLA Report & Results | 30 | 01DEC04 | 21JAN05 | SHARON S |
| 0771 | (GSFC) Data Post-Processing | 18 | 02DEC04 | 05JAN05 | SHARON S |
| 0774 | (GSFC) Data Extraction | 18 | 06JAN05 | 01FEB05 | SHARON S |
| 0858 | (GSFC) Revisit Data Processing & Data Extraction | 24 | 02FEB05 | 08MAR05 | SHARON S |
| 0777 | (GSFC)Write GBM & LAT Interest Data Memo Results | 12 | 09MAR05 | 24MAR05 | SHARON S |
| 0780 | (GSFC)Deliv GBM & LAT Interest Data Memo Results | 1 | 25MAR05 | 25MAR05 | SHARON S |
| **Verification CLA Cycle(Correlated GBM,LAT&S/C)** | | | | | |
| **Verification CLA Cycle** | | | | | |
| 0786 | (SLAC) Deliv Correlated LAT Dynamics Mod to GSFC | 1 | 11APR05 | 11APR05 | SHARON S |
| 0789 | (GSFC)Translate LAT Mod w/FEMAP,ANSYS to NASTRAN | 6 | 12APR05 | 19APR05 | SHARON S |
| 0792 | (GSFC) Check LAT NASTRAN Model | 4 | 20APR05 | 25APR05 | SHARON S |
| 0795 | (GSFC)Reduce LAT NASTRAN Model to CB Model | 12 | 26APR05 | 11MAY05 | SHARON S |
| 0783 | (MSFC) Deliv Correlated GBM FEM Mod/Info to GSFC | 1 | 02MAY05* | 02MAY05 | SHARON S |
| 0798 | (GSFC) Create LAT LTM | 12 | 12MAY05 | 27MAY05 | SHARON S |
| 0801 | (GSFC) Check LAT LTM & LAT CB Model | 3 | 31MAY05 | 02JUN05 | SHARON S |
| 0804 | GSFC Doc/Deliv LAT LTM&CB Mod to GSFC Contracts | 4 | 03JUN05 | 08JUN05 | SHARON S |
| 0879 | GSFC Contracts Deliver LAT CB/LTM to S/C | 2 | 09JUN05 | 10JUN05 | SHARON S |
| 0882 | GSFC Contracts Deliver Obs CB/LTM to KSC | 2 | 15JUL05 | 18JUL05 | SHARON S |
| 0813 | (KSC/B)Create Launch Config CB Mod&LTM/Run Model | 40 | 19JUL05 | 13SEP05 | SHARON S |
| 0816 | (KSC/B) Deliv Prelim CLA Results to S/C | 1 | 14SEP05 | 14SEP05 | SHARON S |
| 0861 | (KSC/B) Deliver Final CLA Report & Results | 30 | 15SEP05 | 27OCT05 | SHARON S |
| 0864 | GSFC Contracts Deliver Final VLC Report to KSC | 1 | 16NOV05 | 16NOV05 | SHARON S |



| Activity ID | Activity Description | Orig Dur | Start | Finish | RESP |
|---|---|---|---|---|---|
| **Launch Site Operations** | | | | | |
| **Launch Site Operations** | | | | | |
| 0322 | Observatory Arrival and Upack | 4 | 11AUG06 | 14AUG06 | AL V |
| 0082 | Launch Site Operations-SUMM | 44* | 11AUG06 | 30SEP06 | AL V |
| 0520 | Propulsion System Funct C/O & Leak Chk (MEOP) | 2 | 15AUG06 | 16AUG06 | AL V |
| 0576 | Install Flight Batteries | 2 | 17AUG06 | 18AUG06 | AL V |
| 0325 | Observatory Alignment Checks | 2 | 19AUG06 | 21AUG06 | AL V |
| 0607 | Observatory Comprehensive Perf Test (CPT) | 5 | 22AUG06 | 26AUG06 | AL V |
| 0334 | Observatory Compatibility Test | 4 | 28AUG06 | 31AUG06 | AL V |
| 0610 | End-to-End System Test #5 | 2 | 01SEP06 | 02SEP06 | AL V |
| 0337 | Solar Array First Motion Test | 3 | 07SEP06 | 09SEP06 | AL V |
| 0340 | Launch Rehearsal #1 | 1 | 11SEP06 | 11SEP06 | AL V |
| 0343 | Prop Load | 3 | 12SEP06 | 14SEP06 | AL V |
| 0346 | (T-10) Weigh Observatory | 1 | 15SEP06 | 15SEP06 | AL V |
| 0349 | (T-9) Observatory/PAF Installation | 1 | 16SEP06 | 16SEP06 | AL V |
| 0352 | (T-8) Transportation Can Installation | 1 | 18SEP06 | 18SEP06 | AL V |
| 0355 | (T-8) Launch Site Readiness Review | 1 | 19SEP06 | 19SEP06 | AL V |
| 0358 | (T-7) Observatory/LV Mate | 1 | 20SEP06 | 20SEP06 | AL V |
| 0361 | (T-6) Flight Program Verif, Stray Voltage Checks | 1 | 21SEP06 | 21SEP06 | AL V |
| 0364 | (T-5) Ordnance Installation & Hookups | 1 | 22SEP06 | 22SEP06 | AL V |
| 0367 | Launch Rehearsal #2 | 1 | 23SEP06 | 23SEP06 | AL V |
| 0370 | (T-4) Fairing Installation | 1 | 25SEP06 | 25SEP06 | AL V |
| 0373 | (T-4) Flight Readiness Review (FRR) | 1 | 26SEP06 | 26SEP06 | AL V |
| 0376 | (T-3) Second-Stage Propellant Loading | 1 | 27SEP06 | 27SEP06 | AL V |
| 0379 | (T-2) Launch Readiness Review (LRR) | 1 | 28SEP06 | 28SEP06 | AL V |
| 0382 | (T-2) Beacon, Range Safety, Class A Ordnance | 1 | 29SEP06 | 29SEP06 | AL V |
| 0612 | (T-1) Countdown | 1 | 30SEP06 | 30SEP06 | AL V |
| **Post-Launch Mission Operations** | | | | | |
| **Post-Launch Mission Operations** | | | | | |
| 0618 | Launch & Early Orbit Support | 3 | 02OCT06 | 04OCT06 | AL V |
| 0624 | S/C Checkout | 5 | 05OCT06 | 12OCT06 | AL V |
| 0630 | Observatory Checkout | 25 | 13OCT06 | 17NOV06 | AL V |
| 0636 | Observatory Acceptance Review | 1 | 20NOV06 | 20NOV06 | AL V |
| 0642 | Routine Operations | 22 | 21NOV06 | 21DEC06 | AL V |
| 0145 | Mission Operations 12/22/06 through 9/02/11 | 1 | 22DEC06 | 22DEC06 | AL V |