

| ID | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|----|---|------------|--------------|----------------|-----------------|--------------|-------------|----------------------------|
| 1 | IMPACT - Dave Curtis (UCB) & Lil Reichenthal (GSFC) | 69% | 698 d | 2/26/03 | 11/21/05 | 0 d | | |
| 2 | Suite Deliveries to APL | 0% | 40 d | 10/4/04 | 12/2/04 | -24 d | | |
| 3 | FM 1 Target Delivery Date | 0% | 0 d | 10/7/04 | 10/7/04 | -18 d | 5,7 | |
| 4 | FM 2 Target Delivery Date | 0% | 0 d | 10/28/04 | 10/28/04 | -24 d | 8,6 | |
| 5 | Boom Suite FM 1 Ready for Delivery to APL | 0% | 0 d | 10/4/04 | 10/4/04 | 2 d | 352 | 3 |
| 6 | Boom Suite FM 2 Ready for Delivery to APL | 0% | 0 d | 10/15/04 | 10/15/04 | 8 d | 358 | 4 |
| 7 | SEP Suite FM 1 Ready for Delivery to APL | 0% | 0 d | 11/2/04 | 11/2/04 | -18 d | 790,612,531 | 3 |
| 8 | SEP Suite FM 2 Ready for Delivery to APL | 0% | 0 d | 12/2/04 | 12/2/04 | -24 d | 797,615 | 4 |
| 9 | Environmental Testing - PER, Impact Suite EMC, Snapshots of Boom & SEP Suite | 13% | 290 d | 10/1/03 | 11/26/04 | 256 d | | |
| 10 | Reviews (PER and TRR's) - TRR Dates are Tentative | 50% | 164 d | 1/14/04 | 9/3/04 | 312 d | | |
| 11 | Instrument PER at UCB | 100% | 1 d | 1/14/04 | 1/14/04 | 0 d | | |
| 12 | TRR 1 - Prior to FM 1 SEPT Thermal Vac | 100% | 1 d | 2/13/04 | 2/13/04 | 0 d | 39SS-6 d | |
| 13 | TRR 2 - Prior to FM 1 STE-U Thermal Vac/Thermal Balance | 100% | 1 d | 4/19/04 | 4/19/04 | 0 d | 21SS-6 d | |
| 14 | TRR 3 - Prior to FM 1 Boom Structure Vibration | 100% | 1 d | 4/19/04 | 4/19/04 | 0 d | 22SS-19 d | |
| 15 | TRR 4 - Prior to FM 1 IDPU Vibration | 0% | 1 d | 6/3/04 | 6/3/04 | 377 d | 23SS-5 d | |
| 16 | TRR 5 - Prior to FM 1 SWEA Vibration | 0% | 1 d | 7/28/04 | 7/28/04 | 339 d | 26SS-5 d | |
| 17 | TRR 6 - Prior to FM 1 Impact Suite EMC (for Boom and SEP) | 0% | 1 d | 8/17/04 | 8/17/04 | 325 d | 19SS-5 d | |
| 18 | TRR 7 - Prior to FM 1 SIT Vibration | 0% | 1 d | 9/3/04 | 9/3/04 | 312 d | 43SS-5 d | |
| 19 | IMPACT Suite FM 1 EMC Testing at UCB | 0% | 10 d | 8/24/04 | 9/7/04 | -22 d | 351,768,423 | 785FS+3 d,611,575,586,17SS |
| 20 | Boom Suite FM 1 Environmental Test Flow Snapshot - UCB | 7% | 108 d | 4/26/04 | 9/27/04 | 297 d | | |
| 21 | STE-U Thermal Vac/Thermal Balance/Bake Out | 36% | 14 d | 4/26/04 | 5/13/04 | 391 d | 271SS | 13SS-6 d |
| 22 | Boom Structure Vibration | 0% | 4 d | 6/7/04 | 6/10/04 | 372 d | 211SS | 14SS-19 d |
| 23 | IDPU Vibration | 0% | 5 d | 6/10/04 | 6/16/04 | 368 d | 174SS | 15SS-5 d |
| 24 | Boom Structure Thermal Vac & Bake Out | 0% | 15 d | 6/11/04 | 7/1/04 | 357 d | 212SS | |
| 25 | IDPU Thermal Vac & Bake Out | 0% | 10 d | 6/17/04 | 6/30/04 | 358 d | 175SS | |
| 26 | SWEA/STE Vibration | 0% | 5 d | 8/4/04 | 8/10/04 | 330 d | 337SS | 16SS-5 d |
| 27 | SWEA/STE Thermal Vac/Thermal Balance/Bake Out | 0% | 14 d | 9/8/04 | 9/27/04 | 297 d | 338SS | |
| 28 | Boom Suite FM 2 Environmental Test Flow Snapshot - UCB | 0% | 73 d | 6/25/04 | 10/7/04 | 289 d | | |
| 29 | STE-U Thermal Vac/Bake Out | 0% | 10 d | 6/25/04 | 7/9/04 | 352 d | 279SS | |
| 30 | IDPU Vibration | 0% | 5 d | 7/23/04 | 7/29/04 | 338 d | 178SS | |
| 31 | Boom Structure Vibration | 0% | 4 d | 7/23/04 | 7/28/04 | 339 d | 233SS | |
| 32 | IDPU Thermal Vac & Bake Out | 0% | 10 d | 7/30/04 | 8/12/04 | 328 d | 179SS | |
| 33 | Boom Structure Thermal Vac & Bake Out | 0% | 15 d | 7/29/04 | 8/18/04 | 324 d | 234SS | |
| 34 | SWEA/STE Vibration | 0% | 5 d | 9/1/04 | 9/8/04 | 310 d | 345SS | |
| 35 | SWEA/STE Thermal Vac & Bake Out | 0% | 10 d | 9/9/04 | 9/22/04 | 300 d | 346SS | |
| 36 | Boom Suite FM 2 EMC | 0% | 5 d | 10/1/04 | 10/7/04 | 289 d | 357SS | |
| 37 | SEP Suite FM 1 Environmental Test Flow Snapshot | 19% | 180 d | 2/19/04 | 11/2/04 | 272 d | | |
| 38 | SEPT (NS & E) Vibration (in Europe) | 100% | 4 d | 2/19/04 | 2/24/04 | 0 d | 568SS | |
| 39 | SEPT (NS & E) Thermal Vac (in Europe) | 100% | 11 d | 2/27/04 | 3/12/04 | 0 d | 569SS,580SS | 12SS-6 d |
| 40 | SEPT (NS & E) Bake Out (in Europe) | 100% | 2 d | 3/5/04 | 3/8/04 | 0 d | 570SS,581SS | |

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|----|--|-------------|--------------|-----------------|-----------------|--------------|-------------|-----------|
| 41 | SEPT (NS & E) Thermal Balance (at GSFC) | 0% | 10 d | 9/8/04 | 9/21/04 | 301 d | 575SS,586SS | |
| 42 | LET/HET/SEP Cen Accelerator Test (at MSU) | 0% | 3 d | 7/10/04 | 7/12/04 | 355 d | 799SS | |
| 43 | SIT Vibe and Acoustics (at GSFC) | 0% | 10 d | 9/13/04 | 9/24/04 | 298 d | 722SS | 18SS-5 d |
| 44 | LET/HET/SEP Cen Vibe and Acoustics (at JPL) | 0% | 10 d | 9/13/04 | 9/24/04 | 298 d | 785SS | |
| 45 | SIT Thermal Balance (at GSFC) | 0% | 5 d | 9/28/04 | 10/4/04 | 292 d | 724SS | |
| 46 | LET/HET/SEP Cen Thermal Balance (at JPL) | 0% | 5 d | 9/27/04 | 10/1/04 | 293 d | 786SS | |
| 47 | SIT Thermal Vac (at GSFC) | 0% | 10 d | 10/5/04 | 10/19/04 | 282 d | 725SS | |
| 48 | LET/HET/SEP Cen Thermal Vac (at JPL) | 0% | 15 d | 10/7/04 | 10/28/04 | 275 d | 787SS | |
| 49 | SIT Bake Out (at GSFC) | 0% | 3 d | 10/22/04 | 10/26/04 | 277 d | 727SS | |
| 50 | LET/HET/SEP Cen Bake Out (at JPL) | 0% | 3 d | 10/29/04 | 11/2/04 | 272 d | 790SS | |
| 51 | SEP Suite FM 2 Environmental Test Flow Snapshot | 17% | 290 d | 10/1/03 | 11/26/04 | 256 d | | |
| 52 | SEPT (NS & E) Vibe and Acoustics (in Europe) | 100% | 4 d | 2/19/04 | 2/24/04 | 0 d | 591SS | |
| 53 | SEPT (NS & E) Thermal Vac (in Europe) | 100% | 9 d | 3/5/04 | 3/17/04 | 0 d | 592SS,602SS | |
| 54 | SEPT (NS & E) Bake Out (in Europe) | 100% | 2 d | 3/12/04 | 3/15/04 | 0 d | 593SS,603SS | |
| 55 | LET/HET/SEP Cen Accelerator Test (at MSU) | 0% | 11 d | 10/1/03 | 10/16/03 | 535 d | | |
| 56 | LET/HET/SEP Cen Vibe and Acoustics (at JPL) | 0% | 10 d | 10/7/04 | 10/21/04 | 280 d | 793SS | |
| 57 | SEP Suite FM 2 EMC (at Caltech) | 0% | 5 d | 10/5/04 | 10/12/04 | 287 d | 792SS | |
| 58 | LET/HET/SEP Cen Thermal Vac (at JPL) | 0% | 15 d | 10/22/04 | 11/12/04 | 265 d | 794SS | |
| 59 | SIT Vibe and Acoustics (at GSFC) | 0% | 10 d | 10/13/04 | 10/26/04 | 277 d | 731SS | |
| 60 | SIT Thermal Balance (at GSFC) | 0% | 5 d | 10/28/04 | 11/3/04 | 271 d | 733SS | |
| 61 | LET/HET/SEP Cen Bake Out (at JPL) | 0% | 3 d | 11/15/04 | 11/17/04 | 262 d | 797SS | |
| 62 | SIT Thermal Vac (at GSFC) | 0% | 10 d | 11/4/04 | 11/18/04 | 261 d | 734SS | |
| 63 | SIT Bake Out (at GSFC) | 0% | 3 d | 11/23/04 | 11/26/04 | 256 d | 736SS | |
| 64 | Power Converters - UCB | 72% | 357 d | 2/26/03 | 7/26/04 | 41 d | | |
| 65 | Deliveries | 20% | 159 d | 12/9/03 | 7/26/04 | 41 d | | |
| 66 | FM 1 | 40% | 122 d | 12/9/03 | 6/2/04 | 13 d | | |
| 67 | Deliver IDPU FM 1 LVPS (stays at UCB) | 0% | 0 d | 6/2/04 | 6/2/04 | 9 d | 121 | 173 |
| 68 | Deliver SEP FM 1 LVPS (to Caltech) | 0% | 1 d | 6/1/04 | 6/1/04 | 14 d | 125 | 444 |
| 69 | Deliver SWEA/STE FM 1 LVPS (stays at UCB) | 0% | 0 d | 6/2/04 | 6/2/04 | -8 d | 129 | 333 |
| 70 | Deliver PLASTIC FM 1 LVPS (to UNH) | 0% | 2 d | 5/24/04 | 5/25/04 | 11 d | 133 | |
| 71 | Deliver SIT FM 1 HVPS (to UMD) | 100% | 2 d | 12/9/03 | 12/10/03 | 0 d | 135 | 682 |
| 72 | FM 2 | 0% | 25 d | 6/21/04 | 7/26/04 | -10 d | | |
| 73 | Deliver IDPU FM 2 LVPS (stays at UCB) | 0% | 0 d | 7/15/04 | 7/15/04 | 36 d | 140 | 177 |
| 74 | Deliver SEP FM 2 LVPS (to Caltech) | 0% | 1 d | 7/26/04 | 7/26/04 | 41 d | 145 | 421 |
| 75 | Deliver SWEA/STE FM 2 LVPS (stays at UCB) | 0% | 0 d | 7/13/04 | 7/13/04 | 8 d | 149 | 342 |
| 76 | Deliver PLASTIC FM 2 LVPS (to UNH) | 0% | 2 d | 7/6/04 | 7/7/04 | 10 d | 153 | |
| 77 | Deliver SIT FM 2 HVPS (to UMD) | 0% | 2 d | 6/21/04 | 6/22/04 | -10 d | 157 | 684 |
| 78 | Remaining Flight Procurements | 100% | 95 d | 10/24/03 | 3/12/04 | 0 d | | |
| 79 | Procure IDPU Flight Printed Wiring Board | 100% | 10 d | 3/1/04 | 3/12/04 | 0 d | 85 | 113FS+9 d |
| 80 | Procure SEP Flight Printed Wiring Board | 100% | 10 d | 11/24/03 | 12/8/03 | 0 d | 86 | 114 |

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|-----|--|---|-------------|--------------|-----------------|----------------|-------------|--------------|-------------------------|
| 81 | | Procure SWEA Flight Printed Wiring Board | 100% | 10 d | 12/4/03 | 12/17/03 | 0 d | 87 | 115 |
| 82 | | Procure PLASTIC Flight Printed Wiring Board | 100% | 10 d | 10/24/03 | 11/6/03 | 0 d | | 116 |
| 83 | | Fabrication | 100% | 239 d | 2/26/03 | 2/6/04 | 0 d | | |
| 84 | | FM 1 & FM 2 | 100% | 195 d | 2/26/03 | 12/3/03 | 0 d | | |
| 85 | | Re-layout IDPU LVPS Flight Printed Wiring Board | 100% | 186 d | 2/26/03 | 11/19/03 | 0 d | | 79 |
| 86 | | Re-layout SEP LVPS Flight Printed Wiring Board | 100% | 32 d | 9/24/03 | 11/7/03 | 0 d | | 80 |
| 87 | | Re-layout SWEA LVPS Flight Printed Wiring Board | 100% | 5 d | 11/26/03 | 12/3/03 | 0 d | | 81 |
| 88 | | FM 1 | 100% | 45 d | 9/29/03 | 12/3/03 | 0 d | | |
| 89 | | Wind IDPU LVPS FM 1 Magnets | 100% | 10 d | 10/17/03 | 10/30/03 | 0 d | | 101 |
| 90 | | Wind SEP LVPS FM 1 Magnets | 100% | 15 d | 9/29/03 | 10/20/03 | 0 d | | 102 |
| 91 | | Wind SWEA LVPS FM 1 Magnets | 100% | 5 d | 11/26/03 | 12/3/03 | 0 d | | 103 |
| 92 | | Wind PLASTIC LVPS FM 1 Magnets | 100% | 45 d | 9/29/03 | 12/3/03 | 0 d | | 104 |
| 93 | | FM 2 | 100% | 28 d | 12/29/03 | 2/6/04 | 0 d | | |
| 94 | | Wind HVPS FM 2 Magnets | 100% | 28 d | 12/29/03 | 2/6/04 | 0 d | | 110,95SS,96SS,97SS,98SS |
| 95 | | Wind IDPU LVPS FM 2 Magnets | 100% | 28 d | 12/29/03 | 2/6/04 | 0 d | 94SS | 106 |
| 96 | | Wind SEP LVPS FM 2 Magnets | 100% | 28 d | 12/29/03 | 2/6/04 | 0 d | 94SS | 107 |
| 97 | | Wind SWEA LVPS FM 2 Magnets | 100% | 28 d | 12/29/03 | 2/6/04 | 0 d | 94SS | 108 |
| 98 | | Wind PLASTIC LVPS FM 2 Magnets | 100% | 28 d | 12/29/03 | 2/6/04 | 0 d | 94SS | 109 |
| 99 | | Assembly | 53% | 117 d | 12/29/03 | 6/14/04 | 41 d | | |
| 100 | | FM 1 | 100% | 84 d | 12/29/03 | 4/27/04 | 0 d | | |
| 101 | | Assemble IDPU FM 1 LVPS | 100% | 17 d | 4/5/04 | 4/27/04 | 0 d | 89,113FS+2 d | 119 |
| 102 | | Assemble SEP FM 1 LVPS | 100% | 40 d | 1/12/04 | 3/9/04 | 0 d | 114,90 | 123 |
| 103 | | Assemble SWEA FM 1 LVPS | 100% | 30 d | 2/13/04 | 3/26/04 | 0 d | 91,115 | 127,110 |
| 104 | | Assemble PLASTIC FM 1 LVPS | 100% | 29 d | 12/29/03 | 2/9/04 | 0 d | 116,92 | 131 |
| 105 | | FM 2 | 0% | 55 d | 3/29/04 | 6/14/04 | 0 d | | |
| 106 | | Assemble IDPU FM 2 LVPS | 0% | 15 d | 5/19/04 | 6/9/04 | 36 d | 95,119 | 138 |
| 107 | | Assemble SEP FM 2 LVPS | 0% | 15 d | 5/24/04 | 6/14/04 | 41 d | 96,123FS+5 d | 142 |
| 108 | | Assemble SWEA FM 2 LVPS | 0% | 15 d | 5/17/04 | 6/7/04 | 8 d | 97,127 | 147 |
| 109 | | Assemble PLASTIC FM 2 LVPS | 0% | 14 d | 5/10/04 | 5/27/04 | 10 d | 98,131 | 151 |
| 110 | | Assemble SIT FM 2 HVPS | 0% | 45 d | 3/29/04 | 5/28/04 | 0 d | 94,103 | 155 |
| 111 | | Testing | 49% | 183 d | 10/31/03 | 7/23/04 | 41 d | | |
| 112 | | FM 1 & FM 2 | 100% | 88 d | 11/24/03 | 3/31/04 | 0 d | | |
| 113 | | Coupon Test IDPU Flight Printed Wiring Board | 100% | 4 d | 3/26/04 | 3/31/04 | 0 d | 79FS+9 d | 101FS+2 d |
| 114 | | Coupon Test SEP Flight Printed Wiring Board | 100% | 5 d | 12/9/03 | 12/15/03 | 0 d | 80 | 102 |
| 115 | | Coupon Test SWEA Flight Printed Wiring Board | 100% | 6 d | 1/9/04 | 1/16/04 | 0 d | 81 | 103 |
| 116 | | Coupon Test PLASTIC Flight Printed Wiring Board | 100% | 5 d | 11/24/03 | 12/1/03 | 0 d | 82 | 104 |
| 117 | | FM 1 | 67% | 147 d | 10/31/03 | 6/2/04 | 12 d | | |
| 118 | | IDPU | 12% | 25 d | 4/28/04 | 6/2/04 | 9 d | | |
| 119 | | Test IDPU FM 1 LVPS | 20% | 15 d | 4/28/04 | 5/18/04 | 9 d | 101 | 120,106 |
| 120 | | Coat & Stake IDPU LVPS FM 1 Boards | 0% | 5 d | 5/19/04 | 5/25/04 | 9 d | 119 | 121 |

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| 121 | Retest IDPU LVPS FM 1 Boards | 0% | 5 d | 5/26/04 | 6/2/04 | 9 d | 120 | 67 |
| 122 | SEP | 66% | 58 d | 3/10/04 | 5/28/04 | 14 d | | |
| 123 | Test SEP FM 1 LVPS | 79% | 48 d | 3/10/04 | 5/14/04 | 14 d | 102 | 124,107FS+5 d |
| 124 | Coat & Stake SEP LVPS FM 1 Boards | 0% | 5 d | 5/17/04 | 5/21/04 | 14 d | 123 | 125 |
| 125 | Retest SEP LVPS FM 1 Boards | 0% | 5 d | 5/24/04 | 5/28/04 | 14 d | 124,370 | 68 |
| 126 | SWEA | 64% | 57 d | 3/15/04 | 6/2/04 | -8 d | | |
| 127 | Test SWEA FM 1 LVPS | 78% | 45 d | 3/15/04 | 5/14/04 | -8 d | 103 | 128FS+2 d,108 |
| 128 | Coat & Stake SWEA LVPS FM 1 Boards | 0% | 5 d | 5/19/04 | 5/25/04 | -8 d | 127FS+2 d | 129 |
| 129 | Retest SWEA LVPS FM 1 Boards | 0% | 5 d | 5/26/04 | 6/2/04 | -8 d | 128 | 69 |
| 130 | PLASTIC | 79% | 73 d | 2/10/04 | 5/21/04 | 11 d | | |
| 131 | Test PLASTIC FM 1 LVPS | 92% | 63 d | 2/10/04 | 5/7/04 | 10 d | 104 | 132,109 |
| 132 | Coat & Stake PLASTIC LVPS FM 1 Boards | 0% | 5 d | 5/10/04 | 5/14/04 | 11 d | 131 | 133 |
| 133 | Retest PLASTIC LVPS FM 1 Boards | 0% | 5 d | 5/17/04 | 5/21/04 | 11 d | 132 | 70 |
| 134 | SIT | 100% | 25 d | 10/31/03 | 12/8/03 | 0 d | | |
| 135 | Test SIT FM 1 HVPS | 100% | 25 d | 10/31/03 | 12/8/03 | 0 d | | 71 |
| 136 | FM 2 | 9% | 69 d | 4/16/04 | 7/23/04 | 41 d | | |
| 137 | IDPU | 0% | 25 d | 6/10/04 | 7/15/04 | 36 d | | |
| 138 | Test IDPU FM 2 LVPS | 0% | 15 d | 6/10/04 | 6/30/04 | 36 d | 106 | 139 |
| 139 | Coat & Stake IDPU LVPS FM 2 Boards | 0% | 5 d | 7/1/04 | 7/8/04 | 36 d | 138 | 140 |
| 140 | Retest IDPU LVPS FM 2 Boards | 0% | 5 d | 7/9/04 | 7/15/04 | 36 d | 139 | 73 |
| 141 | SEP | 0% | 28 d | 6/15/04 | 7/23/04 | 41 d | | |
| 142 | Test SEP FM 2 LVPS | 0% | 15 d | 6/15/04 | 7/6/04 | 41 d | 107 | 143 |
| 143 | Coat & Stake SEP LVPS FM 2 Boards | 0% | 5 d | 7/7/04 | 7/13/04 | 41 d | 142 | 144 |
| 144 | Retest SEP LVPS FM 2 Boards | 0% | 5 d | 7/14/04 | 7/20/04 | 41 d | 143,370 | 145 |
| 145 | Bakeout SEP LVPS FM 2 Boards | 0% | 3 d | 7/21/04 | 7/23/04 | 41 d | 144 | 74 |
| 146 | SWEA | 0% | 25 d | 6/8/04 | 7/13/04 | 8 d | | |
| 147 | Test SWEA FM 2 LVPS | 0% | 15 d | 6/8/04 | 6/28/04 | 8 d | 108 | 148 |
| 148 | Coat & Stake SWEA LVPS FM 2 Boards | 0% | 5 d | 6/29/04 | 7/6/04 | 8 d | 147 | 149 |
| 149 | Retest SWEA LVPS FM 2 Boards | 0% | 5 d | 7/7/04 | 7/13/04 | 8 d | 148 | 75 |
| 150 | PLASTIC | 0% | 25 d | 5/28/04 | 7/2/04 | 10 d | | |
| 151 | Test PLASTIC FM 2 LVPS | 0% | 15 d | 5/28/04 | 6/18/04 | 10 d | 109 | 152 |
| 152 | Coat & Stake PLASTIC LVPS FM 2 Boards | 0% | 5 d | 6/21/04 | 6/25/04 | 10 d | 151 | 153 |
| 153 | Retest PLASTIC LVPS FM 2 Boards | 0% | 5 d | 6/28/04 | 7/2/04 | 10 d | 152 | 76 |
| 154 | SIT | 44% | 45 d | 4/16/04 | 6/18/04 | -10 d | | |
| 155 | Test SIT FM 2 HVPS | 73% | 15 d | 4/16/04 | 6/4/04 | 0 d | 110 | 156 |
| 156 | Coat & Stake SIT FM 2 HVPS Boards | 0% | 5 d | 6/7/04 | 6/11/04 | -10 d | 155 | 157 |
| 157 | Retest SIT FM 2 HVPS Boards | 0% | 5 d | 6/14/04 | 6/18/04 | -10 d | 156 | 77 |
| 158 | IDPU - UCB | 83% | 340 d | 5/5/03 | 9/8/04 | 18 d | | |
| 159 | Deliveries | 0% | 30 d | 6/30/04 | 8/12/04 | 9 d | | |
| 160 | IDPU FM 1 Complete (to UCB for Boom I&T, then to CIT for SEP I&T, Suite EM | 0% | 0 d | 6/30/04 | 6/30/04 | 9 d | 175 | 351 |

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|-----|---|--|-------------|--------------|-----------------|-----------------|-------------|--------------------|----------------|
| 161 | | IDPU FM 2 Complete (to CIT for SEP I&T, then to UCB for Boom I&T, Boom E | 0% | 0 d | 8/12/04 | 8/12/04 | 36 d | 179 | 776 |
| 162 | | Flight Software | 94% | 269 d | 5/5/03 | 5/27/04 | 79 d | | |
| 163 | ✓ | IDPU S/W Build #2.5 | 100% | 131 d | 5/5/03 | 11/7/03 | 0 d | | 173 |
| 164 | ☒ | IDPU S/W Build #3 (also goes to UNH) | 90% | 197 d | 8/15/03 | 5/27/04 | 79 d | | 179 |
| 165 | | GSE | 81% | 301 d | 6/30/03 | 9/8/04 | 0 d | | |
| 166 | ✓ | STE Science Display | 100% | 27 d | 10/23/03 | 12/2/03 | 0 d | | |
| 167 | ✓ | SWEA Science Display | 100% | 167 d | 6/30/03 | 3/1/04 | 0 d | | |
| 168 | ☒ | GSE Continued Development (LOE) | 69% | 291 d | 7/15/03 | 9/8/04 | 0 d | | |
| 169 | | Integration & Test | 38% | 214 d | 10/7/03 | 8/12/04 | 36 d | | |
| 170 | ✓ | IDPU DCB FM 2 Board Level Testing | 100% | 15 d | 10/7/03 | 10/28/03 | 0 d | | 177,171 |
| 171 | ✓ | IDPU DCB Clean/Stake/Coat (FM 1 & FM 2) | 100% | 10 d | 12/26/03 | 1/9/04 | 0 d | 170 | 173,177 |
| 172 | | FM 1 | 0% | 20 d | 6/3/04 | 6/30/04 | 9 d | | |
| 173 | | IDPU FM 1 I & T | 0% | 5 d | 6/3/04 | 6/9/04 | 9 d | 163,67,238,282,171 | 174 |
| 174 | | IDPU FM 1 Vibration | 0% | 5 d | 6/10/04 | 6/16/04 | 9 d | 173 | 175,23SS |
| 175 | | IDPU FM 1 Thermal Vacuum & Bake Out | 0% | 10 d | 6/17/04 | 6/30/04 | 9 d | 174 | 160,25SS |
| 176 | | FM 2 | 0% | 20 d | 7/16/04 | 8/12/04 | 36 d | | |
| 177 | | IDPU FM 2 I & T | 0% | 5 d | 7/16/04 | 7/22/04 | 36 d | 73,239,283,170,171 | 178 |
| 178 | | IDPU FM 2 Vibration | 0% | 5 d | 7/23/04 | 7/29/04 | 36 d | 177 | 179,30SS |
| 179 | | IDPU FM 2 Thermal Vacuum & Bake Out | 0% | 10 d | 7/30/04 | 8/12/04 | 36 d | 164,178 | 161,32SS |
| 180 | | BOOM Suite - UCB | 80% | 326 d | 7/1/03 | 10/15/04 | 8 d | | |
| 181 | | BOOM Structure - UCB | 84% | 241 d | 9/10/03 | 8/24/04 | 28 d | | |
| 182 | | Deliveries | 0% | 158 d | 1/9/04 | 8/24/04 | 28 d | | |
| 183 | ✓ | Protoflight Boom available for I&T (if needed) | 100% | 0 d | 1/9/04 | 1/9/04 | 0 d | 188 | |
| 184 | | Deliver Boom Structure FM 1 (stays at UCB for Boom Suite FM 1 I&T) | 0% | 0 d | 7/8/04 | 7/8/04 | 2 d | 213 | 351,350 |
| 185 | | Deliver Boom Structure FM 2 (stays at UCB for Boom Suite FM 2 I&T) | 0% | 0 d | 8/24/04 | 8/24/04 | 28 d | 235 | 356,355 |
| 186 | ✓ | Protoflight | 100% | 79 d | 9/16/03 | 1/9/04 | 0 d | | |
| 187 | ✓ | Protoflight Boom Post Environmental Deployment Test | 100% | 35 d | 9/16/03 | 11/4/03 | 0 d | | 188 |
| 188 | ✓ | Document Protoflight Boom Test Results | 100% | 44 d | 11/5/03 | 1/9/04 | 0 d | 187 | 183 |
| 189 | ✓ | Flight Procurements | 100% | 40 d | 9/10/03 | 11/5/03 | 0 d | | |
| 190 | ✓ | Receive and Inspect Flight Boom Structure Tubes (FM 1) | 100% | 32 d | 9/10/03 | 10/24/03 | 0 d | | 195,196FF+47 d |
| 191 | ✓ | Receive and Inspect Flight Boom Structure Tubes (FM 2) | 100% | 40 d | 9/10/03 | 11/5/03 | 0 d | | 217 |
| 192 | | FM 1 | 84% | 195 d | 9/29/03 | 7/8/04 | 2 d | | |
| 193 | ✓ | Telescoping | 100% | 84 d | 10/27/03 | 2/29/04 | 0 d | | |
| 194 | ✓ | Fabrication, Assembly & Test | 100% | 84 d | 10/27/03 | 2/29/04 | 0 d | | |
| 195 | ✓ | Machine FM 1 Boom Structure Tubes as necessary | 100% | 5 d | 10/27/03 | 10/31/03 | 0 d | 190 | 197 |
| 196 | ✓ | Machine FM 1 Boom Structure Parts (Rings) | 100% | 38 d | 11/7/03 | 1/5/04 | 0 d | 190FF+47 d | 197,218SS |
| 197 | ✓ | Assemble FM 1 Boom Structure Telescoping Assembly | 100% | 5 d | 2/23/04 | 2/27/04 | 0 d | 195,196 | 198,219SS |
| 198 | ✓ | Test FM 1 Boom Structure Telescoping Assembly | 100% | 2 d | 2/28/04 | 2/29/04 | 0 d | 197 | 209 |
| 199 | ✓ | Harness | 100% | 109 d | 9/29/03 | 3/8/04 | 0 d | | |
| 200 | ✓ | Fabrication | 100% | 103 d | 9/29/03 | 2/27/04 | 0 d | | |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|---|---|-------------|--------------|----------------|-----------------|-------------|--------------------|----------------|
| 201 | ✓ | Machine FM 1 Harness Parts | 100% | 103 d | 9/29/03 | 2/27/04 | 0 d | | 203,223SS |
| 202 | ✓ | Assembly & Test | 100% | 6 d | 3/1/04 | 3/8/04 | 0 d | | |
| 203 | ✓ | Assemble FM 1 Harness subassembly | 100% | 7 d | 3/1/04 | 3/7/04 | 0 d | 201 | 204 |
| 204 | ✓ | FM1 Harness Test | 100% | 1 d | 3/8/04 | 3/8/04 | 0 d | 203 | 209FS+5 d |
| 205 | ✓ | Mounting | 100% | 38 d | 9/29/03 | 11/21/03 | 0 d | | |
| 206 | ✓ | FM 1Boom Structure Mounting Fabrication | 100% | 28 d | 9/29/03 | 11/6/03 | 0 d | | 207,228SS |
| 207 | ✓ | FM 1Boom Structure Mounting Assembly | 100% | 10 d | 11/7/03 | 11/21/03 | 0 d | 206 | |
| 208 | | Integration & Test | 45% | 82 d | 3/15/04 | 7/8/04 | 2 d | | |
| 209 | | Integrate FM 1 Boom Structure subassemblies & Harness Completio | 67% | 52 d | 3/15/04 | 5/25/04 | 2 d | 198,204FS+5 d | 210,231SS+10 d |
| 210 | | FM 1 Boom Structure Deployment Test | 0% | 3 d | 5/26/04 | 5/28/04 | 2 d | 209 | 211,349 |
| 211 | | FM 1 Boom Structure Vibration Test | 0% | 4 d | 6/7/04 | 6/10/04 | 2 d | 210,349 | 212,22SS |
| 212 | | FM 1 Boom Structure Themal Vac & Bake Out | 0% | 15 d | 6/11/04 | 7/1/04 | 2 d | 211 | 213,234,24SS |
| 213 | | FM 1 Boom Structure Post Environmental Deployment Test | 0% | 4 d | 7/2/04 | 7/8/04 | 2 d | 212 | 184 |
| 214 | | FM 2 | 75% | 228 d | 9/29/03 | 8/24/04 | 28 d | | |
| 215 | ✓ | Telescoping | 100% | 78 d | 11/6/03 | 3/2/04 | 0 d | | |
| 216 | ✓ | Fabrication, Assembly & Test | 100% | 78 d | 11/6/03 | 3/2/04 | 0 d | | |
| 217 | ✓ | Machine FM 2 Boom Structure Tubes as necessary | 100% | 11 d | 11/6/03 | 11/21/03 | 0 d | 191 | 219 |
| 218 | ✓ | Machine FM 2 Boom Structure Parts (Rings) | 100% | 38 d | 11/7/03 | 1/5/04 | 0 d | 196SS | 219 |
| 219 | ✓ | Assemble FM 2 Boom Structure Telescoping Assembly | 100% | 5 d | 2/23/04 | 2/27/04 | 0 d | 217,218,197SS | 220 |
| 220 | ✓ | Test FM 2 Boom Structure Telescoping Assembly | 100% | 2 d | 3/1/04 | 3/2/04 | 0 d | 219 | 231 |
| 221 | ✓ | Harness | 100% | 110 d | 9/29/03 | 3/9/04 | 0 d | | |
| 222 | ✓ | Fabrication | 100% | 103 d | 9/29/03 | 2/27/04 | 0 d | | |
| 223 | ✓ | Machine FM 2 Harness Parts | 100% | 103 d | 9/29/03 | 2/27/04 | 0 d | 201SS | 225 |
| 224 | ✓ | Assembly & Test | 100% | 7 d | 3/1/04 | 3/9/04 | 0 d | | |
| 225 | ✓ | Assemble FM 2 Harness subassembly | 100% | 6 d | 3/1/04 | 3/8/04 | 0 d | 223 | 226 |
| 226 | ✓ | FM 2 Harness Test | 100% | 1 d | 3/9/04 | 3/9/04 | 0 d | 225 | 231 |
| 227 | ✓ | Mounting | 100% | 38 d | 9/29/03 | 11/21/03 | 0 d | | |
| 228 | ✓ | FM 2 Boom Structure Mountings Fabrication | 100% | 28 d | 9/29/03 | 11/6/03 | 0 d | 206SS | 229 |
| 229 | ✓ | FM 2 Boom Structure Mountings Assembly | 100% | 10 d | 11/7/03 | 11/21/03 | 0 d | 228 | |
| 230 | | Integration & Test | 25% | 105 d | 3/29/04 | 8/24/04 | 28 d | | |
| 231 | | Integrate FM 2 Boom Structure subassemblies & Harness Completio | 33% | 75 d | 3/29/04 | 7/13/04 | 28 d | 220,226,209SS+10 d | 232 |
| 232 | | FM 2 Boom Structure Deployment Test | 0% | 3 d | 7/14/04 | 7/16/04 | 28 d | 231 | 233,354 |
| 233 | | FM 2 Boom Structure Vibration Test | 0% | 4 d | 7/23/04 | 7/28/04 | 28 d | 232,354 | 234,31SS |
| 234 | | FM 2 Boom Structure Themal Vac & Bake Out | 0% | 15 d | 7/29/04 | 8/18/04 | 28 d | 233,212 | 235,33SS |
| 235 | | FM 2 Boom Structure Post Environmental Deployment Test | 0% | 4 d | 8/19/04 | 8/24/04 | 28 d | 234 | 185 |
| 236 | | MAG - GSFC | 86% | 63 d | 2/20/04 | 5/18/04 | 69 d | | |
| 237 | | Deliveries | 50% | 15 d | 4/28/04 | 5/18/04 | 69 d | | |
| 238 | ✓ | Deliver MAG FM 1 (to UCB for IDPU/BOOM Suite FM 1 I&T) | 100% | 2 d | 4/28/04 | 4/29/04 | 0 d | 242 | 173,349 |
| 239 | | Deliver MAG FM 2 (to UCB for IDPU/BOOM Suite FM 2 I&T) | 0% | 2 d | 5/17/04 | 5/18/04 | 69 d | 245 | 177,354 |
| 240 | ✓ | FM 1 | 100% | 48 d | 2/20/04 | 4/27/04 | 0 d | | |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|---|---|-------------|--------------|-----------------|----------------|-------------|------------------------|-----------------------|
| 241 | ✓ | FM 1 MAG Testing | 100% | 20 d | 2/20/04 | 3/18/04 | 0 d | | 242FS+10 d,244FF+10 d |
| 242 | ✓ | MAG FM 1 Calibration | 100% | 22 d | 3/26/04 | 4/27/04 | 0 d | 241FS+10 d | 238 |
| 243 | | FM 2 | 76% | 51 d | 3/5/04 | 5/14/04 | 69 d | | |
| 244 | ✓ | FM 2 MAG Testing | 100% | 20 d | 3/5/04 | 4/1/04 | 0 d | 241FF+10 d | 245FS+10 d |
| 245 | | MAG FM 2 Calibration | 52% | 21 d | 4/16/04 | 5/14/04 | 69 d | 244FS+10 d | 239 |
| 246 | | SWEA - CESR | 68% | 126 d | 12/8/03 | 6/7/04 | 43 d | | |
| 247 | | Deliveries | 50% | 126 d | 12/8/03 | 6/7/04 | 43 d | | |
| 248 | ✓ | SWEA FM 1 Delivery to UCB | 100% | 3 d | 12/8/03 | 12/10/03 | 0 d | | 335 |
| 249 | | SWEA FM 2 Delivery to UCB | 0% | 3 d | 6/3/04 | 6/7/04 | 43 d | 252FS+7 d | 343 |
| 250 | | FM 2 | 70% | 50 d | 3/15/04 | 5/21/04 | 43 d | | |
| 251 | ✓ | SWEA FM 2 Final Assembly (Block 2) | 100% | 5 d | 3/15/04 | 3/19/04 | 0 d | | 252 |
| 252 | | SWEA FM 2 Calibration | 67% | 45 d | 3/22/04 | 5/21/04 | 43 d | 251 | 249FS+7 d |
| 253 | | STE - UCB | 82% | 216 d | 8/29/03 | 7/9/04 | 33 d | | |
| 254 | | Deliveries | 0% | 38 d | 5/14/04 | 7/9/04 | 12 d | | |
| 255 | | Deliver STE-D FM 1 (stays at UCB for SWEA/STE-D FM 1 I&T) | 0% | 0 d | 5/14/04 | 5/14/04 | 19 d | 270 | 335 |
| 256 | | Deliver STE-D FM 2 (stays at UCB for SWEA/STE-D FM 2 I&T) | 0% | 0 d | 7/9/04 | 7/9/04 | 20 d | 278 | 343 |
| 257 | | Deliver STE-U FM 1 (stays at UCB for BOOM Suite FM 1 I&T) | 0% | 0 d | 5/21/04 | 5/21/04 | 7 d | 271 | 349 |
| 258 | | Deliver STE-U FM 2 (stays at UCB for BOOM Suite FM 2 I&T) | 0% | 0 d | 7/9/04 | 7/9/04 | 33 d | 279 | 354 |
| 259 | ✓ | STE-U/D Housing | 100% | 53 d | 11/21/03 | 2/9/04 | 0 d | | |
| 260 | ✓ | Fabricate STE FM 1 Box | 100% | 53 d | 11/21/03 | 2/9/04 | 0 d | | 269 |
| 261 | ✓ | Fabricate STE FM 2 Box | 100% | 53 d | 11/21/03 | 2/9/04 | 0 d | | 277 |
| 262 | | STE-U/D Detector Boards | 77% | 216 d | 8/29/03 | 7/9/04 | 33 d | | |
| 263 | ✓ | Coupon Test STE FM 1 & FM 2 Detector Printed Wiring Board | 100% | 17 d | 10/10/03 | 11/4/03 | 0 d | 265,273 | 266,274 |
| 264 | | FM 1 | 88% | 183 d | 8/29/03 | 5/21/04 | 7 d | | |
| 265 | ✓ | Fabrication STE FM 1 Detector Printed Wiring Board | 100% | 29 d | 8/29/03 | 10/9/03 | 0 d | | 263 |
| 266 | ✓ | Load STE FM 1 Detector Printed Wiring Board | 100% | 60 d | 11/5/03 | 2/3/04 | 0 d | 263 | 267 |
| 267 | ✓ | Test STE FM 1 Detector Printed Wiring Board | 100% | 10 d | 2/4/04 | 2/18/04 | 0 d | 266 | 269,274FF+17 d |
| 268 | | Integration & Test | 74% | 67 d | 2/19/04 | 5/21/04 | 7 d | | |
| 269 | ✓ | Integrate & Test STE-U/D FM 1 Detectors W/ FM 1 Housings | 100% | 47 d | 2/19/04 | 4/23/04 | 0 d | 260,267 | 277FS-10 d,270FS-10 d |
| 270 | | Calibrate STE-U/D FM 1 | 60% | 25 d | 4/12/04 | 5/14/04 | 7 d | 269FS-10 d | 271FS-8 d,255,277 |
| 271 | | STE-U FM 1 Thermal Vacuum/Balance/Bake Out | 28% | 18 d | 4/26/04 | 5/21/04 | 7 d | 270FS-8 d | 257,21SS |
| 272 | | FM 2 | 65% | 216 d | 8/29/03 | 7/9/04 | 33 d | | |
| 273 | ✓ | Fabricate STE FM 2 Detector Printed Wiring Board | 100% | 29 d | 8/29/03 | 10/9/03 | 0 d | | 263 |
| 274 | ✓ | Load STE FM 2 Detector Printed Wiring Board | 100% | 63 d | 11/5/03 | 3/12/04 | 0 d | 263,267FF+17 d | 275 |
| 275 | | Test STE FM 2 Detector Printed Wiring Board | 78% | 45 d | 3/15/04 | 5/14/04 | 20 d | 274 | 277 |
| 276 | | Integration & Test | 0% | 38 d | 5/17/04 | 7/9/04 | 20 d | | |
| 277 | | Integrate & Test STE-U/D FM 2 Detectors W/ FM 2 Housings | 0% | 20 d | 5/17/04 | 6/14/04 | 20 d | 261,275,269FS-10 d,270 | 278FS-10 d |
| 278 | | Calibrate STE-U/D FM 2 | 0% | 28 d | 6/1/04 | 7/9/04 | 20 d | 277FS-10 d | 279FS-10 d,256 |
| 279 | | STE-U FM 2 Thermal Vacuum/Bake Out | 0% | 10 d | 6/25/04 | 7/9/04 | 33 d | 278FS-10 d | 258,29SS |
| 280 | | STE and SWEA - UCB | 78% | 313 d | 7/1/03 | 9/27/04 | 5 d | | |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|---|---|-------------|--------------|----------------|----------------|--------------|------------|----------------|
| 281 | | Deliveries | 0% | 90 d | 5/14/04 | 9/22/04 | 8 d | | |
| 282 | | Deliver STE-U FM 1 Interface (stays at UCB for IDPU FM 1 I&T) | 0% | 0 d | 5/14/04 | 5/14/04 | 21 d | 331 | 173 |
| 283 | | Deliver STE-U FM 2 Interface (stays at UCB for IDPU FM 2 I&T) | 0% | 0 d | 5/18/04 | 5/18/04 | 76 d | 340 | 177 |
| 284 | | Deliver SWEA/STE-D FM 1 (stays at UCB for Boom Suite FM 1 I&T) | 0% | 0 d | 8/10/04 | 8/10/04 | -21 d | 337 | 350 |
| 285 | | Deliver SWEA/STE-D FM 2 (stays at UCB for Boom Suite FM 2 I&T) | 0% | 0 d | 9/22/04 | 9/22/04 | 8 d | 346 | 355 |
| 286 | ✓ | SWEA Pedestal | 100% | 152 d | 7/1/03 | 2/9/04 | 0 d | | |
| 287 | ✓ | Fabricate SWEA FM 1 Baseplate | 100% | 152 d | 7/1/03 | 2/9/04 | 0 d | | 332 |
| 288 | ✓ | Fabricate SWEA FM 2 Baseplate | 100% | 152 d | 7/1/03 | 2/9/04 | 0 d | | 341 |
| 289 | | STE-D Pre-Amp Board | 89% | 163 d | 9/22/03 | 5/14/04 | 28 d | | |
| 290 | | FM 1 | 88% | 163 d | 9/22/03 | 5/14/04 | 0 d | | |
| 291 | ✓ | Fabricate STE-D FM 1 Preamp Printed Wiring Board | 100% | 34 d | 9/22/03 | 11/7/03 | 0 d | | 296 |
| 292 | ☒ | Load STE-D FM 1 Preamp Printed Wiring Board | 80% | 49 d | 3/9/04 | 5/14/04 | -16 d | 296 | 332,295SS |
| 293 | | FM 2 | 88% | 163 d | 9/22/03 | 5/14/04 | 28 d | | |
| 294 | ✓ | Fabricate STE-D FM 2 Preamp Printed Wiring Board | 100% | 34 d | 9/22/03 | 11/7/03 | 0 d | | 296 |
| 295 | | Load STE-D FM 2 Preamp Printed Wiring Board | 80% | 49 d | 3/9/04 | 5/14/04 | 28 d | 292SS | 341 |
| 296 | ✓ | Coupon Test STE-D FM 1 & FM 2 Pre-Amp Printed Wiring Boards | 100% | 15 d | 11/10/03 | 12/2/03 | 0 d | 291,294 | 292 |
| 297 | | STE-D Shaper Board | 73% | 118 d | 12/4/03 | 5/21/04 | -21 d | | |
| 298 | ✓ | FM 1 | 100% | 67 d | 12/4/03 | 3/11/04 | 0 d | | |
| 299 | ✓ | Fabricate STE-D FM 1 Shaper Printed Wiring Board | 100% | 10 d | 12/4/03 | 12/17/03 | 0 d | | 304 |
| 300 | ✓ | Load STE-D FM 1 Shaper Printed Wiring Board | 100% | 5 d | 3/5/04 | 3/11/04 | 0 d | 304 | 332,308SS |
| 301 | | FM 2 | 40% | 118 d | 12/4/03 | 5/21/04 | -21 d | | |
| 302 | ✓ | Fabricate STE-D FM 2 Shaper Printed Wiring Board | 100% | 10 d | 12/4/03 | 12/17/03 | 0 d | | 304 |
| 303 | | Load STE-D FM 2 Shaper Printed Wiring Board | 0% | 15 d | 5/3/04 | 5/21/04 | -21 d | 304FS+78 d | 341,311SS,332 |
| 304 | ✓ | Coupon Test STE-D FM 1 & FM 2 Shaper Printed Wiring Boards | 100% | 15 d | 12/18/03 | 1/9/04 | 0 d | 299,302 | 300,303FS+78 d |
| 305 | | STE-D Interface Board | 73% | 118 d | 12/4/03 | 5/21/04 | 23 d | | |
| 306 | ✓ | FM 1 | 100% | 67 d | 12/4/03 | 3/11/04 | 0 d | | |
| 307 | ✓ | Fabricate SWEA / STE-D FM 1 Digital to Analog Converter Printed W | 100% | 10 d | 12/4/03 | 12/17/03 | 0 d | | 312 |
| 308 | ✓ | Load SWEA / STE-D FM 1 Digital to Analog Converter Printed Wiring | 100% | 5 d | 3/5/04 | 3/11/04 | 0 d | 300SS | 332 |
| 309 | | FM 2 | 40% | 118 d | 12/4/03 | 5/21/04 | 23 d | | |
| 310 | ✓ | Fabricate SWEA / STE-D FM 2 Digital to Analog Converter Printed W | 100% | 10 d | 12/4/03 | 12/17/03 | 0 d | | 312 |
| 311 | | Load SWEA / STE-D FM 2 Digital to Analog Converter Printed Wiring | 0% | 15 d | 5/3/04 | 5/21/04 | 23 d | 303SS | 341 |
| 312 | ✓ | Coupon Test STE-D FM 1 & FM 2 D/A Converter Printed Wiring Boards | 100% | 15 d | 12/18/03 | 1/9/04 | 0 d | 307,310 | |
| 313 | ✓ | STE-U Pre-Amp Board | 100% | 160 d | 9/22/03 | 5/11/04 | 0 d | | |
| 314 | ✓ | FM 1 | 100% | 79 d | 9/22/03 | 1/15/04 | 0 d | | |
| 315 | ✓ | Fabricate STE-U FM 1 Preamp Printed Wiring Board | 100% | 34 d | 9/22/03 | 11/7/03 | 0 d | | 320 |
| 316 | ✓ | Load STE-U FM 1 Preamp Printed Wiring Board | 100% | 4 d | 1/12/04 | 1/15/04 | 0 d | 320 | 331 |
| 317 | ✓ | FM 2 | 100% | 160 d | 9/22/03 | 5/11/04 | 0 d | | |
| 318 | ✓ | Fabricate STE-U FM 2 Preamp Printed Wiring Board | 100% | 34 d | 9/22/03 | 11/7/03 | 0 d | | 320 |
| 319 | ✓ | Load STE-U FM 2 Preamp Printed Wiring Board | 100% | 46 d | 3/9/04 | 5/11/04 | 0 d | 320 | 340 |
| 320 | ✓ | Coupon Test STE-U FM 1 & FM 2 Pre-Amp Printed Wiring Boards | 100% | 15 d | 11/10/03 | 12/2/03 | 0 d | 315,318 | 316,319 |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|---|---|-------------|--------------|----------------|-----------------|--------------|---------------------|--------------|
| 321 | ✓ | STE-U Shaper & Interface Board | 100% | 78 d | 12/4/03 | 3/26/04 | 0 d | | |
| 322 | ✓ | FM 1 | 100% | 73 d | 12/4/03 | 3/19/04 | 0 d | | |
| 323 | ✓ | Fabricate STE-U FM 1 Shaper & Interface Printed Wiring Board | 100% | 10 d | 12/4/03 | 12/17/03 | 0 d | | 328 |
| 324 | ✓ | Load STE-U FM 1 Shaper & Interface Printed Wiring Board | 100% | 13 d | 3/3/04 | 3/19/04 | 0 d | 328 | 331,327 |
| 325 | ✓ | FM 2 | 100% | 78 d | 12/4/03 | 3/26/04 | 0 d | | |
| 326 | ✓ | Fabricate STE-U FM 2 Shaper & Interface Printed Wiring Board | 100% | 10 d | 12/4/03 | 12/17/03 | 0 d | | 328 |
| 327 | ✓ | Load STE-U FM 2 Shaper & Interface Printed Wiring Board | 100% | 5 d | 3/22/04 | 3/26/04 | 0 d | 324 | 340 |
| 328 | ✓ | Coupon Test STE-U FM 1 & FM 2 Shaper & Interface Printed Wiring Board | 100% | 15 d | 12/18/03 | 1/9/04 | 0 d | 323,326 | 324 |
| 329 | | Integration & Test | 15% | 133 d | 3/22/04 | 9/27/04 | 5 d | | |
| 330 | | FM 1 | 25% | 133 d | 3/22/04 | 9/27/04 | 2 d | | |
| 331 | 📄 | Integrate & Test STE-U FM 1 Interface Boards | 75% | 40 d | 3/22/04 | 5/14/04 | 21 d | 316,324 | 282 |
| 332 | | Integrate & Test SWEA/STE-D FM 1 Interface Boards | 0% | 20 d | 5/24/04 | 6/21/04 | -21 d | 287,292,300,308,303 | 333,334 |
| 333 | | Integrate & Test SWEA/STE-D FM 1 Interface with SWEA/STE-D FM | 0% | 10 d | 6/22/04 | 7/6/04 | -21 d | 332,69 | 335 |
| 334 | | Clean/Coat/Stake SWEA/STE-D Interface | 0% | 10 d | 6/22/04 | 7/6/04 | -21 d | 332 | 335 |
| 335 | | Integrate & Test SWEA/STE-D FM 1 Combined | 0% | 5 d | 7/7/04 | 7/13/04 | -21 d | 333,334,248,255 | 336 |
| 336 | | Calibrate SWEA/STE FM 1 | 0% | 15 d | 7/14/04 | 8/3/04 | -21 d | 335 | 337 |
| 337 | | SWEA/STE FM 1 Vibration | 0% | 5 d | 8/4/04 | 8/10/04 | -21 d | 336 | 26SS,338,284 |
| 338 | | SWEA/STE-D FM 1 Thermal Vac/Thermal Balance/Bake Out | 0% | 14 d | 9/8/04 | 9/27/04 | 2 d | 337,19 | 27SS,352 |
| 339 | | FM 2 | 0% | 93 d | 5/12/04 | 9/22/04 | 8 d | | |
| 340 | | Integrate & Test STE-U FM 2 Interface Boards | 0% | 5 d | 5/12/04 | 5/18/04 | 76 d | 319,327 | 283 |
| 341 | | Integrate & Test SWEA/STE-D FM 2 Interface Boards | 0% | 20 d | 5/24/04 | 6/21/04 | 23 d | 288,295,303,311 | 342 |
| 342 | | Integrate & Test SWEA/STE-D FM 2 Interface with SWEA/STE-D FM | 0% | 10 d | 7/14/04 | 7/27/04 | 8 d | 341,75 | 343 |
| 343 | | Integrate & Test SWEA/STE-D FM 2 Combined | 0% | 10 d | 7/28/04 | 8/10/04 | 8 d | 342,249,256 | 344 |
| 344 | | Calibrate SWEA/STE FM 2 | 0% | 15 d | 8/11/04 | 8/31/04 | 8 d | 343 | 345 |
| 345 | | SWEA/STE FM 2 Vibration | 0% | 5 d | 9/1/04 | 9/8/04 | 8 d | 344 | 346,34SS |
| 346 | | SWEA/STE-D FM 2 Thermal Vac & bake Out | 0% | 10 d | 9/9/04 | 9/22/04 | 8 d | 345 | 285,35SS |
| 347 | | Boom Suite I&T - UCB | 0% | 96 d | 6/1/04 | 10/15/04 | 2 d | | |
| 348 | | FM 1 | 0% | 88 d | 6/1/04 | 10/4/04 | 2 d | | |
| 349 | | FM 1 Boom/MAG/STE-U I&T | 0% | 4 d | 6/1/04 | 6/4/04 | 2 d | 210,238,257 | 211 |
| 350 | | FM 1 Boom/SWEA/STE/MAG I&T | 0% | 2 d | 8/11/04 | 8/12/04 | -21 d | 284,184 | 351 |
| 351 | | FM 1 Integrated Boom/IDPU I&T | 0% | 4 d | 8/13/04 | 8/18/04 | -21 d | 350,184,160 | 19,352,764 |
| 352 | | Final BOOM Suite FM 1 I & T | 0% | 5 d | 9/28/04 | 10/4/04 | 2 d | 351,338 | 5 |
| 353 | | FM 2 | 0% | 63 d | 7/19/04 | 10/15/04 | 8 d | | |
| 354 | | FM 2 Boom/MAG/STE-U I&T | 0% | 4 d | 7/19/04 | 7/22/04 | 28 d | 232,239,258 | 233 |
| 355 | | FM 2 Boom/SWEA/STE/MAG I&T | 0% | 2 d | 9/23/04 | 9/24/04 | 8 d | 285,185 | 356 |
| 356 | | FM 2 Integrated Boom/IDPU I&T | 0% | 4 d | 9/27/04 | 9/30/04 | 8 d | 355,185,777 | 357 |
| 357 | | Boom Suite FM 2 EMC | 0% | 5 d | 10/1/04 | 10/7/04 | 8 d | 356 | 36SS,358 |
| 358 | | Final BOOM Suite FM 2 I & T | 0% | 5 d | 10/8/04 | 10/15/04 | 8 d | 357 | 6 |
| 359 | | SEP Suite - CIT | 66% | 379 d | 6/2/03 | 12/2/04 | -23 d | | |
| 360 | | SEP Mechanical - Sandy Shuman (GSFC) | 43% | 144 d | 1/27/04 | 8/18/04 | 24 d | | |

| ID | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|--|------------|----------|---------|---------|-------|-------------------------|---------------------|
| 361 | SIT Electronics Enclosure (Priority 1) | 71% | 70 d | 2/9/04 | 5/17/04 | 25 d | | |
| 362 | Complete Design/Drawings for SIT Enclosure | 100% | 10 d | 2/9/04 | 2/23/04 | 0 d | | 363FS+32 d,367SS |
| 363 | Fabrication of SIT Enclosure | 81% | 21 d | 4/8/04 | 5/6/04 | 25 d | 362FS+32 d | 364 |
| 364 | Inspection and Final Assembly of SIT Enclosure | 0% | 6 d | 5/7/04 | 5/14/04 | 25 d | 363 | 365 |
| 365 | Deliver SIT Enclosure to UMD | 0% | 1 d | 5/17/04 | 5/17/04 | 25 d | 364 | 693,711 |
| 366 | SEP FM 1 & FM 2 LVPS Boxes (Priority 2) | 100% | 53 d | 2/9/04 | 4/22/04 | 0 d | | |
| 367 | Complete Design/Drawings for SEP LVPS Boxes | 100% | 5 d | 2/9/04 | 2/13/04 | 0 d | 362SS | 368,372 |
| 368 | Fabrication of SEP LVPS Boxes | 100% | 35 d | 2/17/04 | 4/5/04 | 0 d | 367 | 369 |
| 369 | Inspection of SEP LVPS Boxes (Final Assembly at UCB) | 100% | 10 d | 4/6/04 | 4/19/04 | 0 d | 368 | 370 |
| 370 | Deliver SEP LVPS Boxes to UCB | 100% | 3 d | 4/20/04 | 4/22/04 | 0 d | 369 | 125,144 |
| 371 | SEP Electronics Enclosure (Priority 3) | 56% | 92 d | 2/17/04 | 6/24/04 | 2 d | | |
| 372 | Complete Design/Drawings for SEP Enclosure | 74% | 73 d | 2/17/04 | 5/27/04 | -4 d | 367 | 373FS-5 d,377FS-3 d |
| 373 | Fabrication of SEP Enclosure | 0% | 15 d | 5/21/04 | 6/11/04 | 2 d | 372FS-5 d | 374 |
| 374 | Inspection and Final Assembly of SEP Enclosure | 0% | 6 d | 6/14/04 | 6/21/04 | 2 d | 373 | 375 |
| 375 | Deliver SEP Enclosure to CIT | 0% | 3 d | 6/22/04 | 6/24/04 | 2 d | 374 | 757,770 |
| 376 | SEP Central Bias Supply Shields (Priority 4) | 0% | 20 d | 5/25/04 | 6/22/04 | -4 d | | |
| 377 | Complete Design/Drawings for Bias Supply Shields | 0% | 5 d | 5/25/04 | 6/1/04 | -4 d | 372FS-3 d | 378,381FS-5 d |
| 378 | Fabrication of Bias Supply Shields | 0% | 10 d | 6/2/04 | 6/15/04 | 64 d | 377 | 379 |
| 379 | Inspection and Delivery (to CIT) of Bias Supply Shields | 0% | 5 d | 6/16/04 | 6/22/04 | 64 d | 378 | 421 |
| 380 | LET Telescope (Priority 5) | 0% | 26 d | 5/25/04 | 6/30/04 | -4 d | | |
| 381 | Complete Design/Drawings for LET Telescope | 0% | 5 d | 5/25/04 | 6/1/04 | -4 d | 377FS-5 d | 382,386FS-14 d |
| 382 | Fabrication of LET Telescope | 0% | 10 d | 6/2/04 | 6/15/04 | -4 d | 381 | 383 |
| 383 | Inspection and Final Assembly of LET Telescope (CIT has detectors) | 0% | 8 d | 6/16/04 | 6/25/04 | -4 d | 382 | 384 |
| 384 | Deliver LET Telescope to CIT | 0% | 3 d | 6/28/04 | 6/30/04 | -4 d | 383 | 524,526 |
| 385 | HET Electronics Enclosure (Priority 6) | 21% | 67 d | 3/22/04 | 6/23/04 | 4 d | | |
| 386 | Complete Design/Drawings for HET Enclosure | 35% | 23 d | 3/22/04 | 6/2/04 | 0 d | 381FS-14 d | 387,391FF |
| 387 | Fabrication of HET Enclosure | 0% | 10 d | 6/3/04 | 6/16/04 | 1 d | 386 | 388 |
| 388 | Inspection and Final Assembly of HET Enclosure | 0% | 5 d | 6/17/04 | 6/23/04 | 1 d | 387 | 389,393SS-3 d |
| 389 | Deliver HET Enclosure (stays at GSFC) | 0% | 0 d | 6/23/04 | 6/23/04 | 4 d | 388 | 393FS-8 d |
| 390 | HET Telescope (Priority 7) | 65% | 102 d | 1/27/04 | 6/18/04 | 4 d | | |
| 391 | On Going work for HET Telescope (Complete Design/Drawings & Prep for | 76% | 89 d | 1/27/04 | 6/2/04 | 0 d | 386FF | 392FS-3 d,396 |
| 392 | Fabrication of HET Telescope | 0% | 10 d | 5/28/04 | 6/11/04 | 4 d | 391FS-3 d | 393 |
| 393 | Inspection and Final Assembly of HET Telescope | 0% | 5 d | 6/14/04 | 6/18/04 | 4 d | 392,388SS-3 d,389FS-8 d | 394 |
| 394 | Deliver HET Telescope (stays at GSFC) | 0% | 0 d | 6/18/04 | 6/18/04 | 4 d | 393 | 494,500 |
| 395 | SIT Telescope (Priority 8) | 0% | 39 d | 6/3/04 | 7/28/04 | -25 d | | |
| 396 | Complete Design/Drawings for SIT Telescope | 0% | 18 d | 6/3/04 | 6/28/04 | -25 d | 391 | 397,408 |
| 397 | Fabrication of SIT Telescope | 0% | 10 d | 6/29/04 | 7/13/04 | -25 d | 396 | 398 |
| 398 | Inspection and Final Assembly of SIT Telescope | 0% | 10 d | 7/14/04 | 7/27/04 | -25 d | 397 | 399 |
| 399 | Deliver SIT Telescope to UMD (Includes the Foils and Detectors) | 0% | 1 d | 7/28/04 | 7/28/04 | -25 d | 398 | 711,693 |
| 400 | Shipping Containers for HET, SIT & SEP Central (Priority 9) | 0% | 23 d | 5/10/04 | 6/10/04 | 15 d | | |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|---|---|-------------|--------------|----------------|----------------|--------------|------------|-------------|
| 401 | | Design | 0% | 5 d | 5/10/04 | 5/14/04 | 15 d | | 402 |
| 402 | | Fabrication/Machining | 0% | 10 d | 5/17/04 | 5/28/04 | 15 d | 401 | 403 |
| 403 | | Inspection and Assembly | 0% | 5 d | 6/1/04 | 6/7/04 | 15 d | 402 | 404,405,406 |
| 404 | | HET Container stays at GSFC | 0% | 0 d | 6/7/04 | 6/7/04 | 18 d | 403 | 450,452 |
| 405 | | SIT Container to UMD | 0% | 1 d | 6/8/04 | 6/8/04 | 29 d | 403 | 610,613 |
| 406 | | SEP Central Container to CIT | 0% | 3 d | 6/8/04 | 6/10/04 | 15 d | 403 | 799 |
| 407 | | SIT Door (Priority 10) | 0% | 27 d | 6/29/04 | 8/5/04 | -22 d | | |
| 408 | | Complete Design/Drawings for SIT Door | 0% | 10 d | 6/29/04 | 7/13/04 | -22 d | 396 | 409,414 |
| 409 | | Fabrication | 0% | 10 d | 7/14/04 | 7/27/04 | 5 d | 408 | 410 |
| 410 | | Inspection | 0% | 5 d | 7/28/04 | 8/3/04 | 5 d | 409 | 411 |
| 411 | | Final Assembly | 0% | 1 d | 8/4/04 | 8/4/04 | 5 d | 410 | 412 |
| 412 | | Deliver SIT Door (stay at GSFC for Environmental Testing) | 0% | 1 d | 8/5/04 | 8/5/04 | 5 d | 411 | 611,719 |
| 413 | | LET Radiation Test Fixture (Priority 11) | 0% | 26 d | 7/14/04 | 8/18/04 | -22 d | | |
| 414 | | Design | 0% | 5 d | 7/14/04 | 7/20/04 | -22 d | 408 | 415 |
| 415 | | Fabrication | 0% | 10 d | 7/21/04 | 8/3/04 | -22 d | 414 | 416 |
| 416 | | Inspection and Assembly | 0% | 10 d | 8/4/04 | 8/17/04 | -22 d | 415 | 417 |
| 417 | | Deliver to CIT for SEP I&T | 0% | 1 d | 8/18/04 | 8/18/04 | -22 d | 416 | 768 |
| 418 | | SEP Central - CIT | 77% | 265 d | 8/1/03 | 8/19/04 | 23 d | | |
| 419 | | Deliveries | 0% | 40 d | 6/23/04 | 8/19/04 | 3 d | | |
| 420 | | Deliver all SEP Cen FM 1 Boards to SEP I&T (stays at CIT) | 0% | 0 d | 6/23/04 | 6/23/04 | 3 d | 444 | 757 |
| 421 | | Deliver all SEP Cen FM 2 Boards & FM 2 LVPS to SEP I&T (stays at CIT) | 0% | 0 d | 7/26/04 | 7/26/04 | 41 d | 444,74,379 | 770 |
| 422 | | SEP Central Build 3 Software Complete | 0% | 0 d | 6/30/04 | 6/30/04 | -2 d | 446 | 757,770 |
| 423 | | Final SEP Central Flight Software Complete | 0% | 0 d | 8/19/04 | 8/19/04 | -20 d | 447 | 19 |
| 424 | | Logic Board | 81% | 75 d | 2/13/04 | 5/28/04 | 1 d | | |
| 425 | ✓ | Assembly | 100% | 10 d | 2/13/04 | 2/27/04 | 0 d | | |
| 426 | ✓ | Assemble FM 1 SEP Central Logic board | 100% | 10 d | 2/13/04 | 2/27/04 | 0 d | | 427SS,429 |
| 427 | ✓ | Assemble FM 2 SEP Central Logic board | 100% | 10 d | 2/13/04 | 2/27/04 | 0 d | 426SS | 430 |
| 428 | | Test | 76% | 65 d | 3/1/04 | 5/28/04 | 1 d | | |
| 429 | ✓ | Test FM 1 SEP Central Logic board (initial) | 100% | 20 d | 3/1/04 | 3/26/04 | 0 d | 426 | 442 |
| 430 | | Test FM 2 SEP Central Logic board (initial) | 69% | 65 d | 3/1/04 | 5/28/04 | 1 d | 427 | 442 |
| 431 | ✓ | Analog/Post-Reg Board | 100% | 0 d | 1/27/04 | 1/27/04 | 0 d | | |
| 432 | ✓ | FM 1 Analog/Post-Reg Board Complete Test and awaiting Conformal Coa | 100% | 0 d | 1/27/04 | 1/27/04 | 0 d | | 442 |
| 433 | ✓ | FM 2 Analog/Post-Reg Board Complete Test and awaiting Conformal Coa | 100% | 0 d | 1/27/04 | 1/27/04 | 0 d | | 442 |
| 434 | ✓ | SEP Solid State Detector Bias Supply Board | 100% | 55 d | 1/20/04 | 4/6/04 | 0 d | | |
| 435 | ✓ | Assembly & Initial Test | 100% | 40 d | 1/20/04 | 3/16/04 | 0 d | | |
| 436 | ✓ | Assemble and Initial Test FM 1 SSD Bias Supply Board | 100% | 40 d | 1/20/04 | 3/16/04 | 0 d | | 437SS,439 |
| 437 | ✓ | Assemble and Initial Test FM 2 SSD Bias Supply Board | 100% | 40 d | 1/20/04 | 3/16/04 | 0 d | 436SS | 440 |
| 438 | ✓ | Final Test | 100% | 15 d | 3/17/04 | 4/6/04 | 0 d | | |
| 439 | ✓ | Final Test FM 1 SSD Bias Supply Board | 100% | 15 d | 3/17/04 | 4/6/04 | 0 d | 436 | 442 |
| 440 | ✓ | Final Test FM 2 SSD Bias Supply Board | 100% | 15 d | 3/17/04 | 4/6/04 | 0 d | 437 | 442 |

| ID | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|--|------------|----------|---------|---------|-------|--------------------------|-----------------|
| 441 | Conformal Coat, Mass Properties and Bake Out (SEP Central, LET, SEP L | 0% | 17 d | 6/1/04 | 6/23/04 | 1 d | | |
| 442 | Stake/Conformal Coat All SEP Central and LET Boards | 0% | 10 d | 6/1/04 | 6/14/04 | 1 d | 429,430,432,433,439,440, | 443 |
| 443 | Mass Properties/Photo All SEP Central and LET Boards | 0% | 4 d | 6/15/04 | 6/18/04 | 1 d | 442 | 444 |
| 444 | Bake Out All SEP Central/LET Boards and SEP LVPS FM 1 | 0% | 3 d | 6/21/04 | 6/23/04 | 1 d | 443,68 | 420,421,524,526 |
| 445 | Flight Software | 71% | 265 d | 8/1/03 | 8/19/04 | -20 d | | |
| 446 | SEP Central Build 3 | 82% | 230 d | 8/1/03 | 6/30/04 | -20 d | | 447,422 |
| 447 | Final Flight S/W Build | 0% | 35 d | 7/1/04 | 8/19/04 | -20 d | 446 | 423 |
| 448 | HET - Tycho (GSFC) | 70% | 148 d | 1/6/04 | 8/4/04 | 40 d | | |
| 449 | Deliveries | 0% | 31 d | 6/22/04 | 8/4/04 | 8 d | | |
| 450 | Deliver HET FM 1w/o replacement detectors (to CIT for SEP Suite I&T) | 0% | 2 d | 6/28/04 | 6/29/04 | 4 d | 404,495 | 758 |
| 451 | Deliver HET FM 1 w/ replacement detectors (to CIT for SEP Suite I&T) | 0% | 2 d | 7/20/04 | 7/21/04 | -4 d | 498 | 761 |
| 452 | Deliver HET FM 2 w/ replacement detectors (to CIT for SEP Suite I&T) | 0% | 2 d | 8/3/04 | 8/4/04 | 40 d | 404,503 | 774 |
| 453 | Deliver Final HET Flight Software to SEP I&T | 0% | 2 d | 6/22/04 | 6/23/04 | 8 d | 491 | 758 |
| 454 | Detectors (Batch 1) | 100% | 40 d | 1/6/04 | 3/3/04 | 0 d | | |
| 455 | Receive & Inspect HET Flight Detectors | 100% | 40 d | 1/6/04 | 3/3/04 | 0 d | | 457SS |
| 456 | Detector Testing | 100% | 40 d | 1/6/04 | 3/3/04 | 0 d | | |
| 457 | Capacitance, Current, Depletion, Alpha Resolution Testing | 100% | 40 d | 1/6/04 | 3/3/04 | 0 d | 455SS | 458SS |
| 458 | Life Test HET Detectors | 100% | 40 d | 1/6/04 | 3/3/04 | 0 d | 457SS | 494,500 |
| 459 | Replacement HET Detectors (Batch 2) | 29% | 66 d | 3/12/04 | 6/14/04 | 18 d | | |
| 460 | Receive H1 Detector Mounts | 100% | 0 d | 3/12/04 | 3/12/04 | 0 d | | 462 |
| 461 | Receive H3 Detector Mounts | 100% | 0 d | 3/26/04 | 3/26/04 | 0 d | | 462 |
| 462 | Detector Mounting at Micron | 60% | 20 d | 4/15/04 | 5/12/04 | 18 d | 460,461 | 463 |
| 463 | Detector Delivery to GSFC | 0% | 2 d | 5/13/04 | 5/14/04 | 18 d | 462 | 464 |
| 464 | Detector Testing at GSFC | 0% | 20 d | 5/17/04 | 6/14/04 | 18 d | 463 | 497,502 |
| 465 | Electronics Board | 78% | 113 d | 1/22/04 | 6/30/04 | 40 d | | |
| 466 | Assembly | 100% | 38 d | 1/22/04 | 3/16/04 | 0 d | | |
| 467 | Install Socket on HET Electronics FM 1 Board for ETU ACTEL | 100% | 1 d | 1/22/04 | 1/22/04 | 0 d | | 468 |
| 468 | Complete Population of HET Electronics FM 1 Board (ETU ACTEL) | 100% | 1 d | 1/23/04 | 1/23/04 | 0 d | 467 | 472,469 |
| 469 | Complete Population of HET Electronics FM 2 Board (Flight ACTEL) | 100% | 2 d | 3/15/04 | 3/16/04 | 0 d | 468,475,512 | 479 |
| 470 | Test | 77% | 111 d | 1/26/04 | 6/30/04 | 40 d | | |
| 471 | FM 1 | 81% | 103 d | 1/26/04 | 6/18/04 | 4 d | | |
| 472 | Test HET FM 1 Electronics Board w/ETU ACTEL | 100% | 23 d | 1/26/04 | 2/26/04 | 0 d | 468 | 479,473 |
| 473 | Remove ETU ACTEL and socket from HET FM 1 Electronics Bo | 100% | 0.5 d | 2/27/04 | 2/27/04 | 0 d | 472 | 474 |
| 474 | Install Flight ACTEL on HET FM 1 Electronics Board | 100% | 0.5 d | 2/27/04 | 2/27/04 | 0 d | 473 | 475 |
| 475 | Retest HET FM 1 Electronics Board w/Flight ACTEL | 100% | 10 d | 3/1/04 | 3/12/04 | 0 d | 474 | 476FS+61 d,469 |
| 476 | Clean, Bake, Conformal Coat HET FM 1 Electronics Board | 0% | 3 d | 6/9/04 | 6/11/04 | 4 d | 475FS+61 d | 477 |
| 477 | Retest Conformal Coated HET FM 1 Electronics Board | 0% | 5 d | 6/14/04 | 6/18/04 | 4 d | 476 | 481,494 |
| 478 | FM 2 | 71% | 75 d | 3/17/04 | 6/30/04 | 40 d | | |
| 479 | Test HET FM 2 Electronics Board | 100% | 25 d | 3/17/04 | 4/20/04 | 0 d | 469,472 | 480FS+40 d |
| 480 | Clean, Bake, Conformal Coat HET FM 2 Electronics Board | 0% | 5 d | 6/17/04 | 6/23/04 | 40 d | 479FS+40 d | 481 |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|---|--|-------------|--------------|----------------|----------------|-------------|------------------------|--------------------|
| 481 | | Retest Conformal Coated HET FM 2 Electronics Board | 0% | 5 d | 6/24/04 | 6/30/04 | 40 d | 480,477 | 500 |
| 482 | | Flight Software | 70% | 106 d | 1/22/04 | 6/21/04 | 14 d | | |
| 483 | ✓ | Design | 100% | 71 d | 1/22/04 | 4/30/04 | 0 d | | |
| 484 | ✓ | Complete Definition of HET PH Event Processing | 100% | 22 d | 1/22/04 | 2/23/04 | 0 d | | 487 |
| 485 | ✓ | Design Change of HET PH Event Processing | 100% | 20 d | 4/5/04 | 4/30/04 | 0 d | | 491 |
| 486 | | Coding | 73% | 64 d | 2/24/04 | 5/21/04 | 34 d | | |
| 487 | | Code HET PH Event Processing Update for Flight | 83% | 59 d | 2/24/04 | 5/14/04 | 39 d | 484 | 488FS-15 d |
| 488 | | Code HET Telemetry Formatting Update for Flight | 56% | 34 d | 3/12/04 | 5/21/04 | 34 d | 487FS-15 d | 498 |
| 489 | | Test | 45% | 64 d | 3/23/04 | 6/21/04 | 8 d | | |
| 490 | | Test Integrated HET S/W with Simulated Data | 56% | 52 d | 3/23/04 | 6/3/04 | 8 d | | 491 |
| 491 | | Verify HET On-Board Software | 0% | 12 d | 6/4/04 | 6/21/04 | 8 d | 485,490 | 494FS-10 d,500,453 |
| 492 | | Integration & Test | 0% | 30 d | 6/21/04 | 8/2/04 | 4 d | | |
| 493 | | FM 1 | 0% | 20 d | 6/21/04 | 7/19/04 | -4 d | | |
| 494 | | Integrate HET FM 1 Electronics Telescope (Ahead) | 0% | 3 d | 6/21/04 | 6/23/04 | 4 d | 458,491FS-10 d,394,477 | 495,500 |
| 495 | | Test HET FM 1 Telescope (Ahead) | 0% | 2 d | 6/24/04 | 6/25/04 | 4 d | 494 | 450 |
| 496 | | Receive HET FM1 from CIT | 0% | 0 d | 7/15/04 | 7/15/04 | -4 d | 801 | 497 |
| 497 | | Install new HET Flight Detectors in FM 1 | 0% | 1 d | 7/16/04 | 7/16/04 | -4 d | 464,496 | 498 |
| 498 | | Performance Test FM 1 with New Flight Detectors | 0% | 1 d | 7/19/04 | 7/19/04 | -4 d | 497,488 | 451 |
| 499 | | FM 2 | 0% | 22 d | 7/1/04 | 8/2/04 | 40 d | | |
| 500 | | Integrate HET FM 2 Electronics Telescope (Behind) | 0% | 5 d | 7/1/04 | 7/8/04 | 40 d | 494,458,491,394,481 | 501 |
| 501 | | Test HET FM 2 Telescope (Behind) | 0% | 15 d | 7/9/04 | 7/29/04 | 40 d | 500 | 502 |
| 502 | | Install new HET Flight Detectors in FM 2 | 0% | 1 d | 7/30/04 | 7/30/04 | 40 d | 464,501 | 503 |
| 503 | | Performance Test FM 2 with New Flight Detectors | 0% | 1 d | 8/2/04 | 8/2/04 | 40 d | 502 | 452 |
| 504 | | LET - CIT | 87% | 248 d | 7/14/03 | 7/7/04 | 60 d | | |
| 505 | | Deliveries | 0% | 7 d | 6/25/04 | 7/7/04 | 3 d | | |
| 506 | | Deliver LET FM 1 (stays at CIT for SEP I&T) | 0% | 0 d | 7/7/04 | 7/7/04 | -4 d | 524 | 760 |
| 507 | | Deliver LET FM 2 (stays at CIT for SEP I&T) | 0% | 0 d | 7/7/04 | 7/7/04 | 60 d | 526 | 773 |
| 508 | | Deliver LET Flight Software Build 3 | 0% | 0 d | 6/25/04 | 6/25/04 | 67 d | 521 | 773 |
| 509 | ✓ | Detectors | 100% | 167 d | 7/14/03 | 3/12/04 | 0 d | | |
| 510 | ✓ | Complete LET Flight Detector Testing | 100% | 167 d | 7/14/03 | 3/12/04 | 0 d | | 524,526 |
| 511 | ✓ | Hybrids | 100% | 144 d | 8/1/03 | 3/1/04 | 0 d | | |
| 512 | ✓ | Complete Test of Flight Hybrids (LET and to GSFC for HET FM 2) | 100% | 144 d | 8/1/03 | 3/1/04 | 0 d | | 515,516,469 |
| 513 | | Detector/Misc Board | 69% | 64 d | 3/2/04 | 5/28/04 | 1 d | | |
| 514 | ✓ | Assembly | 100% | 10 d | 3/2/04 | 3/15/04 | 0 d | | |
| 515 | ✓ | Assemble LET FM 1 Detector Board | 100% | 10 d | 3/2/04 | 3/15/04 | 0 d | 512 | 518 |
| 516 | ✓ | Assemble LET FM 2 Detector Board | 100% | 10 d | 3/2/04 | 3/15/04 | 0 d | 512 | 519 |
| 517 | | Test | 63% | 54 d | 3/16/04 | 5/28/04 | 1 d | | |
| 518 | | Test LET FM 1 Detector Board | 63% | 54 d | 3/16/04 | 5/28/04 | 1 d | 515 | 442 |
| 519 | | Test LET FM 2 Detector Board | 63% | 54 d | 3/16/04 | 5/28/04 | 1 d | 516 | 442 |
| 520 | | Flight Software | 83% | 227 d | 8/1/03 | 6/25/04 | 67 d | | |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|---|---|-------------|--------------|-----------------|----------------|--------------|-------------|---------------|
| 521 | | Let Flight Software Build 3 | 83% | 227 d | 8/1/03 | 6/25/04 | 67 d | | 508 |
| 522 | | Integration & Test | 0% | 4 d | 7/1/04 | 7/7/04 | -4 d | | |
| 523 | | FM 1 | 0% | 4 d | 7/1/04 | 7/7/04 | -4 d | | |
| 524 | | Integrate LET FM 1 Housing With Detectors | 0% | 4 d | 7/1/04 | 7/7/04 | -4 d | 510,444,384 | 506 |
| 525 | | FM 2 | 0% | 4 d | 7/1/04 | 7/7/04 | 60 d | | |
| 526 | | Integrate LET FM 2 Housing With Detectors | 0% | 4 d | 7/1/04 | 7/7/04 | 60 d | 510,444,384 | 507 |
| 527 | | SEPT - Kiel/ESTEC | 69% | 284 d | 8/8/03 | 9/23/04 | 9 d | | |
| 528 | | Deliveries | 0% | 42 d | 7/27/04 | 9/23/04 | -11 d | | |
| 529 | | Deliver SEPT-NS FM 1 to CIT for SEP I&T and Suite EMC | 0% | 5 d | 7/27/04 | 8/2/04 | -11 d | 574,573 | 762 |
| 530 | | Deliver SEPT-E FM 1 to CIT for SEP I&T and Suite EMC | 0% | 5 d | 7/27/04 | 8/2/04 | -11 d | 585,584 | 762 |
| 531 | | Final Delivery of SEPT FM 1 to APL (after Therm Bal @ GSFC) | 0% | 2 d | 9/22/04 | 9/23/04 | 9 d | 575,586,562 | 7 |
| 532 | | Deliver SEPT-NS FM 2 to CIT for SEP I&T and Suite EMC | 0% | 5 d | 7/27/04 | 8/2/04 | 40 d | 596,597 | 771 |
| 533 | | Deliver SEPT-E FM 2 to CIT for SEP I&T and Suite EMC | 0% | 5 d | 7/27/04 | 8/2/04 | 40 d | 606,607 | 771 |
| 534 | ✓ | Mechanical Assembly | 100% | 46 d | 12/22/03 | 2/27/04 | 0 d | | |
| 535 | ✓ | FM 1 | 100% | 13 d | 12/22/03 | 1/9/04 | 0 d | | |
| 536 | ✓ | Assemble SEPT-NS FM 1 Sensor and E-Box Housing | 100% | 13 d | 12/22/03 | 1/9/04 | 0 d | | 539SS+4 d,566 |
| 537 | ✓ | Assemble SEPT-E FM 1 Sensor and E-Box Housing | 100% | 13 d | 12/22/03 | 1/9/04 | 0 d | | 540SS+4 d,577 |
| 538 | ✓ | FM 2 | 100% | 14 d | 12/29/03 | 1/16/04 | 0 d | | |
| 539 | ✓ | Assemble SEPT-NS FM 2 Sensor and E-Box Housing | 100% | 14 d | 12/29/03 | 1/16/04 | 0 d | 536SS+4 d | 542,589 |
| 540 | ✓ | Assemble SEPT-E FM 2 Sensor and E-Box Housing | 100% | 14 d | 12/29/03 | 1/16/04 | 0 d | 537SS+4 d | 542 |
| 541 | ✓ | Spare | 100% | 28 d | 1/20/04 | 2/27/04 | 0 d | | |
| 542 | ✓ | Assemble SEPT Spare Sensor and E-Box Housing | 100% | 28 d | 1/20/04 | 2/27/04 | 0 d | 539,540 | |
| 543 | | Electronics | 93% | 208 d | 8/8/03 | 6/7/04 | 83 d | | |
| 544 | ✓ | Assembly | 100% | 172 d | 8/8/03 | 4/15/04 | 0 d | | |
| 545 | ✓ | FM 2 | 100% | 106 d | 8/8/03 | 1/12/04 | 0 d | | |
| 546 | ✓ | Assemble SEPT-NS FM 2 Electronics | 100% | 106 d | 8/8/03 | 1/12/04 | 0 d | | 549SS,552 |
| 547 | ✓ | Assemble SEPT-E FM 2 Electronics | 100% | 92 d | 8/8/03 | 12/19/03 | 0 d | | 553FS-7 d |
| 548 | ✓ | Spare | 100% | 172 d | 8/8/03 | 4/15/04 | 0 d | | |
| 549 | ✓ | Assemble SEPT FS Electronics | 100% | 172 d | 8/8/03 | 4/15/04 | 0 d | 546SS | 560 |
| 550 | | Test | 66% | 123 d | 12/11/03 | 6/7/04 | 83 d | | |
| 551 | | FM 2 | 73% | 118 d | 12/11/03 | 5/28/04 | 83 d | | |
| 552 | ✓ | SEPT-NS FM 2 Electronics Test | 100% | 4 d | 1/13/04 | 1/16/04 | 0 d | 546 | 554 |
| 553 | ✓ | SEPT-E FM 2 Electronics Test | 100% | 4 d | 12/11/03 | 12/16/03 | 0 d | 547FS-7 d | 555 |
| 554 | ✓ | Coat SEPT-NS FM 2 Electronics Board | 100% | 4 d | 1/20/04 | 1/23/04 | 0 d | 552 | 556 |
| 555 | ✓ | Coat SEPT-E FM 2 Electronics Board | 100% | 5 d | 12/17/03 | 12/23/03 | 0 d | 553 | 557 |
| 556 | ✓ | SEPT-NS FM 2 Mechanical Integration | 100% | 5 d | 1/26/04 | 1/30/04 | 0 d | 554 | |
| 557 | ✓ | SEPT-E FM 2 Mechanical Integration | 100% | 13 d | 12/24/03 | 1/13/04 | 0 d | 555 | |
| 558 | ✓ | Repair SEPT-NS FM 2 Electronic Board for use as Spare | 49% | 39 d | 4/6/04 | 5/28/04 | 83 d | 594SS | 562 |
| 559 | | Spare | 33% | 30 d | 4/26/04 | 6/7/04 | 83 d | | |
| 560 | ✓ | SEPT Flight Spare Electronics Test | 100% | 5 d | 4/26/04 | 4/30/04 | 0 d | 549 | 561 |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|------|--|------------|--------------|----------------|----------------|-------------|------------|----------------------------|
| 561 | | Coat SEPT FS Electronics Board | 0% | 5 d | 5/10/04 | 5/14/04 | 69 d | 560 | 562,595 |
| 562 | | SEPT FS Mechanical Integration | 0% | 5 d | 6/1/04 | 6/7/04 | 83 d | 561,558 | 531 |
| 563 | | Integration & Test | 42% | 177 d | 1/12/04 | 9/21/04 | 9 d | | |
| 564 | | FM 1 | 40% | 177 d | 1/12/04 | 9/21/04 | 9 d | | |
| 565 | | SEPT-NS | 40% | 168 d | 1/26/04 | 9/21/04 | 9 d | | |
| 566 | | SEPT-NS FM 1 Integration & Test | 100% | 5 d | 1/26/04 | 1/30/04 | 0 d | 536 | 567 |
| 567 | | Muon and Radioactive Source Test | 100% | 5 d | 2/2/04 | 2/6/04 | 0 d | 566 | 568 |
| 568 | | SEPT-NS FM 1 Vibration | 100% | 4 d | 2/19/04 | 2/24/04 | 0 d | 567 | 569FS+2 d,38SS,591SS,579SS |
| 569 | | SEPT-NS FM 1 Thermal Vac | 100% | 11 d | 2/27/04 | 3/12/04 | 0 d | 568FS+2 d | 570FS-6 d,39SS,580SS |
| 570 | | SEPT-NS FM 1 Bake Out | 100% | 2 d | 3/5/04 | 3/8/04 | 0 d | 569FS-6 d | 40SS,571FS+20 d |
| 571 | | SEPT-NS FM 1 Repair | 33% | 58 d | 4/6/04 | 6/25/04 | -11 d | 570FS+20 d | 572 |
| 572 | | SEPT-NS FM 1 Post Repair Integration & Test | 0% | 5 d | 6/28/04 | 7/2/04 | -11 d | 571 | 573 |
| 573 | | SEPT-NS Post Repair Vibration | 0% | 4 d | 7/6/04 | 7/9/04 | -11 d | 572 | 574,529 |
| 574 | | SEPT-NS Post Repair Thermal Vac | 0% | 11 d | 7/12/04 | 7/26/04 | -11 d | 573 | 529 |
| 575 | | SEPT-NS FM 1 Thermal Balance (at GSFC after Suite EMC) | 0% | 10 d | 9/8/04 | 9/21/04 | 9 d | 19 | 531,41SS |
| 576 | | SEPT-E | 40% | 177 d | 1/12/04 | 9/21/04 | 9 d | | |
| 577 | | SEPT-E FM 1 Integration & Test | 100% | 5 d | 1/12/04 | 1/16/04 | 0 d | 537 | 578,599SS |
| 578 | | Muon and Radioactive Source Test | 100% | 5 d | 1/29/04 | 2/4/04 | 0 d | 577 | 579,600SS |
| 579 | | SEPT-E FM 1 Vibration | 100% | 4 d | 2/19/04 | 2/24/04 | 0 d | 578,568SS | 580 |
| 580 | | SEPT-E FM 1 Thermal Vac | 100% | 11 d | 2/27/04 | 3/12/04 | 0 d | 579,569SS | 581FS-6 d,39SS |
| 581 | | SEPT-E FM 1 Bake Out | 100% | 2 d | 3/5/04 | 3/8/04 | 0 d | 580FS-6 d | 40SS,582FS+20 d |
| 582 | | SEPT-E FM 1 Repair | 33% | 58 d | 4/6/04 | 6/25/04 | -11 d | 581FS+20 d | 583 |
| 583 | | SEPT-E FM 1 Post Repair Integration & Test | 0% | 5 d | 6/28/04 | 7/2/04 | -11 d | 582 | 584 |
| 584 | | SEPT-E FM1 Post Repair Vibration | 0% | 4 d | 7/6/04 | 7/9/04 | -11 d | 583 | 585,530 |
| 585 | | SEPT-E FM1 Post Repair Thermal Vac | 0% | 11 d | 7/12/04 | 7/26/04 | -11 d | 584 | 530 |
| 586 | | SEPT-E FM 1 Thermal Balance (at GSFC after Suite EMC) | 0% | 10 d | 9/8/04 | 9/21/04 | 9 d | 19 | 531,41SS |
| 587 | | FM 2 | 44% | 137 d | 1/12/04 | 7/26/04 | 40 d | | |
| 588 | | SEPT-NS | 45% | 132 d | 1/20/04 | 7/26/04 | 40 d | | |
| 589 | | SEPT-NS FM 2 Integration & Test | 100% | 8 d | 1/20/04 | 1/29/04 | 0 d | 539 | 590 |
| 590 | | Muon and Radioactive Source Test | 100% | 6 d | 1/30/04 | 2/6/04 | 0 d | 589 | 591 |
| 591 | | SEPT-NS FM 2 Vibration | 100% | 4 d | 2/19/04 | 2/24/04 | 0 d | 590,568SS | 592,52SS |
| 592 | | SEPT-NS FM 2 Thermal Vac | 100% | 9 d | 3/5/04 | 3/17/04 | 0 d | 591 | 593FS-4 d,53SS,602SS |
| 593 | | SEPT-NS FM 2 Bake Out | 100% | 2 d | 3/12/04 | 3/15/04 | 0 d | 592FS-4 d | 54SS,594FS+15 d |
| 594 | | SEPT-NS FM 2 Repair | 33% | 58 d | 4/6/04 | 6/25/04 | 40 d | 593FS+15 d | 595,558SS |
| 595 | | SEPT-NS FM 2 Post Repair Integration & Test | 0% | 5 d | 6/28/04 | 7/2/04 | 40 d | 594,561 | 596 |
| 596 | | SEPT-NS FM 2 Post Repair Vibration | 0% | 4 d | 7/6/04 | 7/9/04 | 40 d | 595 | 597,532 |
| 597 | | SEPT-NS FM 2 Post Repair Thermal Vac | 0% | 11 d | 7/12/04 | 7/26/04 | 40 d | 596 | 532 |
| 598 | | SEPT-E | 43% | 137 d | 1/12/04 | 7/26/04 | 40 d | | |
| 599 | | SEPT-E FM 2 Integration & Test | 100% | 5 d | 1/12/04 | 1/16/04 | 0 d | 577SS | 600 |
| 600 | | Muon and Radioactive Source Test | 100% | 5 d | 1/29/04 | 2/4/04 | 0 d | 599,578SS | 601 |











| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|--|--|-------------|--------------|-----------------|----------------|--------------|------------|-----------------|
| 601 | | SEPT-E FM 2 Vibration | 100% | 4 d | 2/19/04 | 2/24/04 | 0 d | 600,568SS | 602 |
| 602 | | SEPT-E FM 2 Thermal Vac | 100% | 9 d | 3/5/04 | 3/17/04 | 0 d | 601,592SS | 603FS-4 d,53SS |
| 603 | | SEPT-E FM 2 Bake Out | 100% | 2 d | 3/12/04 | 3/15/04 | 0 d | 602FS-4 d | 54SS,604FS+15 d |
| 604 | | SEPT-NS FM 2 Repair | 33% | 58 d | 4/6/04 | 6/25/04 | 40 d | 603FS+15 d | 605 |
| 605 | | SEPT-NS FM 2 Post Repair Integration & Test | 0% | 5 d | 6/28/04 | 7/2/04 | 40 d | 604 | 606 |
| 606 | | SEPT-NS FM 2 Post Repair Vibration | 0% | 4 d | 7/6/04 | 7/9/04 | 40 d | 605 | 607,533 |
| 607 | | SEPT-NS FM 2 Post Repair Thermal Vac | 0% | 11 d | 7/12/04 | 7/26/04 | 40 d | 606 | 533 |
| 608 | | SIT - UMD | 69% | 379 d | 6/2/03 | 12/2/04 | -24 d | | |
| 609 | | Deliveries | 0% | 77 d | 8/12/04 | 12/2/04 | -24 d | | |
| 610 | | Deliver SIT FM 1 to CIT for SEP I&T and Suite EMC | 0% | 2 d | 8/12/04 | 8/13/04 | -16 d | 405,695 | 744,766 |
| 611 | | Deliver SIT FM 1 back to GSFC for Environmental Testing (after EMC Tes | 0% | 2 d | 9/8/04 | 9/9/04 | -17 d | 19,412 | 722,719 |
| 612 | | Final Delivery of SIT FM 1 to APL | 0% | 1 d | 11/1/04 | 11/1/04 | -17 d | 729 | 7 |
| 613 | | Deliver SIT FM 2 to CIT for SEP I&T | 0% | 2 d | 9/24/04 | 9/27/04 | -25 d | 700,405 | 744,778 |
| 614 | | Deliver SIT FM 2 back to GSFC for Environmental Testing | 0% | 2 d | 10/7/04 | 10/8/04 | -24 d | 792 | 731,720 |
| 615 | | Final Delivery of SIT FM 2 to APL | 0% | 1 d | 12/2/04 | 12/2/04 | -24 d | 738,744 | 8 |
| 616 | | ACTEL - for SIT Logic Board | 0% | 1 d | 5/24/04 | 5/24/04 | -16 d | | |
| 617 | | Burn Final SIT ACTEL Chip w/latest algorithm (at GSFC) | 0% | 1 d | 5/24/04 | 5/24/04 | -16 d | | 618 |
| 618 | | Evaluate (Test) SIT Final ACTEL Chip | 0% | 0 d | 5/24/04 | 5/24/04 | -16 d | 617 | 647,649 |
| 619 | | TOF Boards | 52% | 82 d | 2/12/04 | 6/8/04 | 13 d | | |
| 620 | | Receive Analog and Digital TOF Boards (FM 1) | 100% | 0 d | 2/12/04 | 2/12/04 | 0 d | | 624,626 |
| 621 | | Receive Analog and Digital TOF Boards (FM 2) | 31% | 16 d | 3/25/04 | 5/24/04 | 13 d | 624FS+32 d | 626 |
| 622 | | Test | 64% | 71 d | 3/1/04 | 6/8/04 | 13 d | | |
| 623 | | FM 1 | 100% | 18 d | 3/1/04 | 3/24/04 | 0 d | | |
| 624 | | FM 1 TOF Boards Functional Test | 100% | 18 d | 3/1/04 | 3/24/04 | 0 d | 620 | 703,621FS+32 d |
| 625 | | FM 2 | 0% | 10 d | 5/25/04 | 6/8/04 | 13 d | | |
| 626 | | FM 2 TOF Boards Functional Test | 0% | 10 d | 5/25/04 | 6/8/04 | 13 d | 620,621 | 712 |
| 627 | | Energy Board | 83% | 159 d | 11/10/03 | 6/28/04 | -1 d | | |
| 628 | | Assembly | 100% | 114 d | 11/10/03 | 4/23/04 | 0 d | | |
| 629 | | FM 1 | 100% | 92 d | 11/10/03 | 3/24/04 | 0 d | | |
| 630 | | Assemble FM 1 Energy Board | 100% | 92 d | 11/10/03 | 3/24/04 | 0 d | | 635,632FF+22 d |
| 631 | | FM 2 | 100% | 114 d | 11/10/03 | 4/23/04 | 0 d | | |
| 632 | | Assemble FM 2 Energy Board | 100% | 82 d | 11/10/03 | 4/23/04 | 0 d | 630FF+22 d | 639 |
| 633 | | Test | 40% | 67 d | 3/25/04 | 6/28/04 | -1 d | | |
| 634 | | FM 1 | 52% | 52 d | 3/25/04 | 6/7/04 | -5 d | | |
| 635 | | Bench Test/Calibration | 57% | 47 d | 3/25/04 | 5/28/04 | -10 d | 630 | 636 |
| 636 | | Thermal | 0% | 3 d | 6/1/04 | 6/3/04 | -10 d | 635 | 637 |
| 637 | | Voltage Margin | 0% | 2 d | 6/4/04 | 6/7/04 | -10 d | 636 | 639,703 |
| 638 | | FM 2 | 0% | 15 d | 6/8/04 | 6/28/04 | -1 d | | |
| 639 | | FM 2 Energy Board Functional Test | 0% | 15 d | 6/8/04 | 6/28/04 | -1 d | 632,637 | 712 |
| 640 | | Logic Board | 77% | 165 d | 11/10/03 | 7/7/04 | -7 d | | |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|---|---|------------|----------|----------|----------|-------|---------------|-----------|
| 641 | ✓ | Design | 100% | 3 d | 11/17/03 | 11/19/03 | 0 d | | |
| 642 | ✓ | Layout new Logic Board Design | 100% | 3 d | 11/17/03 | 11/19/03 | 0 d | | 644 |
| 643 | ✓ | Fabrication | 100% | 10 d | 3/8/04 | 3/19/04 | 0 d | | |
| 644 | ✓ | FM 1 & FM 2 Logic Board Fabrication | 100% | 10 d | 3/8/04 | 3/19/04 | 0 d | 642,652 | 654 |
| 645 | | Assembly | 0% | 20 d | 5/25/04 | 6/22/04 | -16 d | | |
| 646 | | FM 1 | 0% | 5 d | 5/25/04 | 6/1/04 | -16 d | | |
| 647 | ⚠ | Assemble FM 1 Logic Board with Flight ACTELS | 0% | 5 d | 5/25/04 | 6/1/04 | -16 d | 654,618 | 656 |
| 648 | | FM 2 | 0% | 5 d | 6/16/04 | 6/22/04 | -7 d | | |
| 649 | | Assemble FM 2 Logic Board with Flight ACTELS | 0% | 5 d | 6/16/04 | 6/22/04 | -7 d | 654,618,656 | 658 |
| 650 | | Test | 81% | 165 d | 11/10/03 | 7/7/04 | -7 d | | |
| 651 | ✓ | ETU | 100% | 79 d | 11/10/03 | 3/5/04 | 0 d | | |
| 652 | ✓ | Test New ETU Logic Board | 100% | 79 d | 11/10/03 | 3/5/04 | 0 d | | 644 |
| 653 | ✓ | FM1 & FM 2 | 100% | 8 d | 3/22/04 | 3/31/04 | 0 d | | |
| 654 | ✓ | Coupon Testing | 100% | 8 d | 3/22/04 | 3/31/04 | 0 d | 644 | 647,649 |
| 655 | | FM 1 | 0% | 10 d | 6/2/04 | 6/15/04 | -16 d | | |
| 656 | | Functional Test of FM 1 Logic Board w/Flight ACTELS | 0% | 10 d | 6/2/04 | 6/15/04 | -16 d | 647 | 703,649 |
| 657 | | FM 2 | 0% | 10 d | 6/23/04 | 7/7/04 | -7 d | | |
| 658 | | Functional Test of FM 2 Logic Board w/Flight ACTELS | 0% | 10 d | 6/23/04 | 7/7/04 | -7 d | 649 | 712 |
| 659 | | Mother Board | 74% | 111 d | 12/22/03 | 5/28/04 | 6 d | | |
| 660 | ✓ | Design | 100% | 67 d | 12/22/03 | 3/29/04 | 0 d | | |
| 661 | ✓ | FM 1 & FM 2 | 100% | 67 d | 12/22/03 | 3/29/04 | 0 d | | |
| 662 | ✓ | Finalize Mother Board Layout | 100% | 30 d | 12/22/03 | 2/4/04 | 0 d | | 663 |
| 663 | ✓ | Redesign Mother Board Layout | 100% | 17 d | 3/5/04 | 3/29/04 | 0 d | 662,673 | 667 |
| 664 | ✓ | Fabrication | 100% | 52 d | 2/5/04 | 4/19/04 | 0 d | | |
| 665 | ✓ | FM 1 & FM 2 | 100% | 52 d | 2/5/04 | 4/19/04 | 0 d | | |
| 666 | ✓ | Fabricate FM 1 & FM 2 Mother Boards | 100% | 15 d | 2/5/04 | 2/26/04 | 0 d | | 669 |
| 667 | ✓ | Refabricate FM1 & FM2 Mother Boards | 100% | 15 d | 3/30/04 | 4/19/04 | 0 d | 673,663 | 674 |
| 668 | | Assembly | 0% | 10 d | 5/3/04 | 5/14/04 | 0 d | | |
| 669 | ⚠ | Assemble FM 1 Mother Board | 0% | 10 d | 5/3/04 | 5/14/04 | 0 d | 666,674FS+4 d | 670SS,676 |
| 670 | | Assemble FM 2 Mother Board | 0% | 10 d | 5/3/04 | 5/14/04 | 11 d | 669SS | 678 |
| 671 | | Test | 50% | 66 d | 2/27/04 | 5/28/04 | 6 d | | |
| 672 | ✓ | FM 1 & FM 2 | 100% | 42 d | 2/27/04 | 4/26/04 | 0 d | | |
| 673 | ✓ | Coupon Testing of Mother Boards | 100% | 5 d | 2/27/04 | 3/4/04 | 0 d | | 667,663 |
| 674 | ✓ | Coupon Testing of 2nd Mother Boards | 100% | 5 d | 4/20/04 | 4/26/04 | 0 d | 667 | 669FS+4 d |
| 675 | | FM 1 | 0% | 5 d | 5/17/04 | 5/21/04 | 0 d | | |
| 676 | | Functional Test FM 1 Mother Board | 0% | 5 d | 5/17/04 | 5/21/04 | 0 d | 669 | 678,703 |
| 677 | | FM 2 | 0% | 5 d | 5/24/04 | 5/28/04 | 6 d | | |
| 678 | | Functional Test FM 2 Mother Board | 0% | 5 d | 5/24/04 | 5/28/04 | 6 d | 670,676 | 684,712 |
| 679 | | HVPS | 75% | 124 d | 1/12/04 | 7/7/04 | -10 d | | |
| 680 | | Test | 75% | 124 d | 1/12/04 | 7/7/04 | -10 d | | |

| ID | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|---|-------------|--------------|----------------|----------------|--------------|---------------------|---------|
| 681 | FM 1 | 100% | 30 d | 1/12/04 | 2/24/04 | 0 d | | |
| 682 | Functional Test SIT FM 1 HVPS | 100% | 30 d | 1/12/04 | 2/24/04 | 0 d | 71 | 702 |
| 683 | FM 2 | 0% | 10 d | 6/23/04 | 7/7/04 | -10 d | | |
| 684 | Functional Test SIT FM 2 HVPS | 0% | 10 d | 6/23/04 | 7/7/04 | -10 d | 77,678 | 711 |
| 685 | Flight Software | 89% | 235 d | 6/2/03 | 5/6/04 | 38 d | | |
| 686 | Test | 89% | 235 d | 6/2/03 | 5/6/04 | 38 d | | |
| 687 | FM 1 & FM 2 | 89% | 235 d | 6/2/03 | 5/6/04 | 38 d | | |
| 688 | Validate SIT On-Board Code | 89% | 235 d | 6/2/03 | 5/6/04 | 38 d | | 709 |
| 689 | Integration & Test (using ETU Telescope for FM 1) | 4% | 149 d | 2/25/04 | 9/23/04 | -25 d | | |
| 690 | FM 1 (Flight Telescope) | 0% | 12 d | 7/27/04 | 8/11/04 | -16 d | | |
| 691 | Disassemble SIT FM 1 | 0% | 1 d | 7/27/04 | 7/27/04 | -16 d | 709 | 692 |
| 692 | Conformal Coat SIT FM 1 Boards (includes FM 1 LVPS) | 0% | 2 d | 7/28/04 | 7/29/04 | -16 d | 691 | 693 |
| 693 | Reassemble SIT FM 1 with Flight Telescope | 0% | 1 d | 7/30/04 | 7/30/04 | -16 d | 692,399,365 | 694 |
| 694 | Bench Calibration SIT FM 1 w/Flight Telescope | 0% | 3 d | 8/2/04 | 8/4/04 | -16 d | 693 | 695 |
| 695 | Vacuum Test SIT FM 1 w/Flight Telescope | 0% | 5 d | 8/5/04 | 8/11/04 | -16 d | 694 | 610 |
| 696 | FM 2 | 0% | 9 d | 9/13/04 | 9/23/04 | -25 d | | |
| 697 | Disassemble SIT FM 2 | 0% | 1 d | 9/13/04 | 9/13/04 | -25 d | 718 | 698 |
| 698 | Conformal Coat SIT FM 2 Boards | 0% | 2 d | 9/14/04 | 9/15/04 | -25 d | 697 | 699 |
| 699 | Reassemble SIT FM 2 | 0% | 1 d | 9/16/04 | 9/16/04 | -25 d | 698 | 700 |
| 700 | Post-Coat Retest SIT FM 2 | 0% | 5 d | 9/17/04 | 9/23/04 | -25 d | 699 | 613 |
| 701 | FM 1 (ETU Telescope) | 10% | 107 d | 2/25/04 | 7/26/04 | -16 d | | |
| 702 | Integrate SIT FM 1 HVPS and SIT ETU Telescope Without Electroni | 100% | 3 d | 2/25/04 | 2/27/04 | 0 d | 682 | 703 |
| 703 | Integrate Electronics to SIT ETU Telescope | 0% | 2 d | 6/16/04 | 6/17/04 | -16 d | 656,624,676,637,702 | 704 |
| 704 | SIT FM 1 Debug | 0% | 5 d | 6/18/04 | 6/24/04 | -16 d | 703 | 705 |
| 705 | SIT FM 1 Bench Test | 0% | 5 d | 6/25/04 | 7/1/04 | -16 d | 704 | 706 |
| 706 | SIT FM 1 Alpha TEST | 0% | 5 d | 7/2/04 | 7/9/04 | -16 d | 705 | 707 |
| 707 | SIT FM 1 Noise Removal | 0% | 5 d | 7/12/04 | 7/16/04 | -16 d | 706 | 708,716 |
| 708 | SIT FM 1 Thermal Test | 0% | 5 d | 7/19/04 | 7/23/04 | -16 d | 707 | 709 |
| 709 | SIT FM 1 Functional Test | 0% | 1 d | 7/26/04 | 7/26/04 | -16 d | 708,688 | 691 |
| 710 | FM 2 | 0% | 31 d | 7/29/04 | 9/10/04 | -25 d | | |
| 711 | Integrate SIT FM 2 HVPS and SIT FM 2 Telescope Without Electron | 0% | 3 d | 7/29/04 | 8/2/04 | -25 d | 684,399,365 | 712 |
| 712 | Integrate Electronics to SIT FM 2 Telescope | 0% | 2 d | 8/3/04 | 8/4/04 | -25 d | 658,626,678,639,711 | 713 |
| 713 | SIT FM 2 Debug | 0% | 5 d | 8/5/04 | 8/11/04 | -25 d | 712 | 714 |
| 714 | SIT FM 2 Bench Test | 0% | 5 d | 8/12/04 | 8/18/04 | -25 d | 713 | 715 |
| 715 | SIT FM 2 Alpha Test | 0% | 5 d | 8/19/04 | 8/25/04 | -25 d | 714 | 716 |
| 716 | SIT FM 2 Noise Removal | 0% | 5 d | 8/26/04 | 9/1/04 | -25 d | 715,707 | 717 |
| 717 | SIT FM 2 Thermal Test | 0% | 5 d | 9/2/04 | 9/9/04 | -25 d | 716 | 718 |
| 718 | SIT FM 2 Functional Test | 0% | 1 d | 9/10/04 | 9/10/04 | -25 d | 717 | 697 |
| 719 | Integrate SIT Door FM 1 | 0% | 1 d | 9/10/04 | 9/10/04 | -17 d | 611,412 | 720,722 |
| 720 | Integrate SIT Door FM 2 | 0% | 1 d | 10/12/04 | 10/12/04 | -24 d | 614,719 | 731 |

| ID | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|--|-------------|--------------|-----------------|-----------------|--------------|---------------|----------------|
| 721 | Environmental Testing at GSFC (FM 1) | 0% | 34 d | 9/13/04 | 10/29/04 | -17 d | | |
| 722 | SIT FM 1 Vibration and Acoustics | 0% | 10 d | 9/13/04 | 9/24/04 | -17 d | 611,719 | 723,43SS |
| 723 | Functional Test | 0% | 1 d | 9/27/04 | 9/27/04 | -17 d | 722 | 724 |
| 724 | SIT FM 1 Thermal Balance | 0% | 5 d | 9/28/04 | 10/4/04 | -17 d | 723 | 725,45SS |
| 725 | SIT FM 1 Thermal Vac | 0% | 10 d | 10/5/04 | 10/19/04 | -17 d | 724 | 726,47SS |
| 726 | Disassemble SIT Instruments | 0% | 2 d | 10/20/04 | 10/21/04 | -17 d | 725 | 727 |
| 727 | Bake Out | 0% | 3 d | 10/22/04 | 10/26/04 | -17 d | 726 | 728,49SS |
| 728 | Reassemble Instruments | 0% | 2 d | 10/27/04 | 10/28/04 | -17 d | 727 | 729 |
| 729 | Functional Test | 0% | 1 d | 10/29/04 | 10/29/04 | -17 d | 728 | 612 |
| 730 | Environmental Testing at GSFC (FM 2) | 0% | 34 d | 10/13/04 | 12/1/04 | -24 d | | |
| 731 | SIT FM 2 Vibration and Acoustics | 0% | 10 d | 10/13/04 | 10/26/04 | -24 d | 614,720 | 732,59SS |
| 732 | Functional Test | 0% | 1 d | 10/27/04 | 10/27/04 | -24 d | 731 | 733 |
| 733 | SIT FM 2 Thermal Balance | 0% | 5 d | 10/28/04 | 11/3/04 | -24 d | 732 | 734,60SS |
| 734 | SIT FM 2 Thermal Vac | 0% | 10 d | 11/4/04 | 11/18/04 | -24 d | 733 | 735,62SS |
| 735 | Disassemble SIT Instruments | 0% | 2 d | 11/19/04 | 11/22/04 | -24 d | 734 | 736 |
| 736 | Bake Out | 0% | 3 d | 11/23/04 | 11/26/04 | -24 d | 735 | 737,63SS |
| 737 | Reassemble Instruments | 0% | 2 d | 11/29/04 | 11/30/04 | -24 d | 736 | 738 |
| 738 | Functional Test | 0% | 1 d | 12/1/04 | 12/1/04 | -24 d | 737 | 615 |
| 739 | Emulators/Simulators/GSE | 76% | 237 d | 12/17/03 | 11/24/04 | -20 d | | |
| 740 | Simulators | 90% | 104 d | 12/17/03 | 5/14/04 | 73 d | | |
| 741 | Labview CPU Ready | 90% | 104 d | 12/17/03 | 5/14/04 | 0 d | | 742SS |
| 742 | Test Simulator | 90% | 104 d | 12/17/03 | 5/14/04 | 73 d | 741SS | 744 |
| 743 | GSE | 0% | 40 d | 9/28/04 | 11/24/04 | -20 d | | |
| 744 | Pulse Generator | 0% | 40 d | 9/28/04 | 11/24/04 | -20 d | 610,613,742 | 615 |
| 745 | SEP Suite I&T - CIT | 46% | 333 d | 8/1/03 | 11/29/04 | -20 d | | |
| 746 | ETU | 100% | 5 d | 1/26/04 | 1/30/04 | 0 d | | |
| 747 | Complete Integration/Test of SEP Central EM with Sensors | 100% | 5 d | 1/26/04 | 1/30/04 | 0 d | | |
| 748 | FM 1 & FM 2 | 0% | 43 d | 6/17/04 | 8/17/04 | -17 d | | |
| 749 | Generate HET integration & test procedure | 0% | 5 d | 6/17/04 | 6/23/04 | 4 d | 758FS-10 d | 759,775 |
| 750 | Generate LET integration & test procedure | 0% | 5 d | 6/21/04 | 6/25/04 | 3 d | 759FS-10 d | 760,773 |
| 751 | Generate SEPT integration & test procedure | 0% | 5 d | 7/21/04 | 7/27/04 | -6 d | 762FS-10 d | 772,763 |
| 752 | Generate SEP-IDPU integration procedure | 0% | 5 d | 7/22/04 | 7/28/04 | -10 d | 763FS-10 d | 753,764,776 |
| 753 | Generate SEP-IDPU test procedure | 0% | 5 d | 7/29/04 | 8/4/04 | -10 d | 752 | 765,777 |
| 754 | Generate SIT integration & test procedure | 0% | 5 d | 8/10/04 | 8/16/04 | -16 d | 766FS-10 d | 779,767 |
| 755 | Generate SEP system test procedure | 0% | 5 d | 8/11/04 | 8/17/04 | -21 d | 767FS-10 d | 768,780 |
| 756 | FM 1 | 0% | 39 d | 6/30/04 | 8/24/04 | -21 d | | |
| 757 | Integrate/test SEP Central FM 1 | 0% | 5 d | 7/1/04 | 7/8/04 | -2 d | 420,422,375 | 759FS-4 d |
| 758 | Receive & inspect HET FM 1 | 0% | 1 d | 6/30/04 | 6/30/04 | 4 d | 450,453 | 749FS-10 d |
| 759 | Integrate & test HET FM 1 | 0% | 1 d | 7/2/04 | 7/2/04 | -2 d | 749,757FS-4 d | 760,750FS-10 d |
| 760 | Integrate & test LET FM 1 | 0% | 1 d | 7/8/04 | 7/8/04 | -4 d | 759,750,506 | 799 |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|--|---|------------|--------------|----------------|-----------------|--------------|-------------------------|------------------------|
| 761 | | Re-integrate & test HET FM 1 w/ Flight detectors | 0% | 1 d | 7/22/04 | 7/22/04 | -4 d | 451,799 | 762 |
| 762 | | Receive & inspect SEPT FM 1 | 0% | 1 d | 8/3/04 | 8/3/04 | -11 d | 761,529,530 | 763,751FS-10 d |
| 763 | | Integrate & test SEPT FM 1 | 0% | 1 d | 8/4/04 | 8/4/04 | -11 d | 762,751 | 764,752FS-10 d |
| 764 | | Integrate SEP FM 1 - IDPU FM 1 | 0% | 1 d | 8/19/04 | 8/19/04 | -21 d | 752,351,763 | 765 |
| 765 | | Test SEP FM 1 - IDPU FM 1 | 0% | 1 d | 8/20/04 | 8/20/04 | -21 d | 764,753 | 766 |
| 766 | | Receive & inspect SIT FM 1 | 0% | 1 d | 8/23/04 | 8/23/04 | -21 d | 610,765 | 767,754FS-10 d |
| 767 | | Integrate & test SIT FM 1 | 0% | 1 d | 8/24/04 | 8/24/04 | -21 d | 766,754 | 755FS-10 d |
| 768 | | SEP system test FM 1 | 0% | 3 d | 8/19/04 | 8/23/04 | -22 d | 417,755 | 19 |
| 769 | | FM 2 | 0% | 49 d | 7/27/04 | 10/4/04 | 2 d | | |
| 770 | | Integrate/testSEP Central FM 2 | 0% | 5 d | 7/27/04 | 8/2/04 | 41 d | 421,422,375 | 772 |
| 771 | | Receive & inspect SEPT FM 2 | 0% | 1 d | 8/3/04 | 8/3/04 | 40 d | 532,533 | 772 |
| 772 | | Integrate & test SEPT FM 2 | 0% | 1 d | 8/4/04 | 8/4/04 | 40 d | 771,770,751 | 773 |
| 773 | | Integrate & test LET FM 2 | 0% | 1 d | 8/5/04 | 8/5/04 | 40 d | 772,507,508,750 | 775 |
| 774 | | Receive & inspect HET FM 2 | 0% | 1 d | 8/5/04 | 8/5/04 | 40 d | 452 | 775 |
| 775 | | Integrate & test HET FM 2 | 0% | 1 d | 8/6/04 | 8/6/04 | 40 d | 749,773,774 | 776 |
| 776 | | Integrate SEP FM 2 - IDPU FM 2 | 0% | 1 d | 8/13/04 | 8/13/04 | 36 d | 775,161,752 | 777 |
| 777 | | Test SEP FM 2 - IDPU FM 2 | 0% | 1 d | 8/16/04 | 8/16/04 | 36 d | 776,753 | 356 |
| 778 | | Receive & inspect SIT FM 2 | 0% | 1 d | 9/28/04 | 9/28/04 | -25 d | 613 | 779 |
| 779 | | Integrate & test SIT FM 2 | 0% | 1 d | 9/29/04 | 9/29/04 | -25 d | 778,754 | 780 |
| 780 | | SEP FM 2 system test | 0% | 3 d | 9/30/04 | 10/4/04 | -25 d | 779,755 | 792 |
| 781 | | Environmental Test (at JPL) | 0% | 135 d | 5/17/04 | 11/29/04 | -20 d | | |
| 782 | | Generate Environmental Test Procedures | 0% | 15 d | 5/17/04 | 6/7/04 | 45 d | | 785 |
| 783 | | Manufacture test cables (JPL) | 0% | 20 d | 6/1/04 | 6/28/04 | 30 d | | 785 |
| 784 | | FM 1 | 0% | 43 d | 9/13/04 | 11/12/04 | -24 d | | |
| 785 | | FM 1 LET/HET/SEP Central Vibration/Acoustics Test | 0% | 10 d | 9/13/04 | 9/24/04 | -22 d | 19FS+3 d,782,783,799FS- | 786,44SS |
| 786 | | FM 1 LET/HET/SEP Central Thermal Balance Test | 0% | 5 d | 9/27/04 | 10/1/04 | -22 d | 785 | 787,46SS |
| 787 | | FM 1 LET/HET/SEP Central T/V Test | 0% | 15 d | 10/7/04 | 10/28/04 | -25 d | 786,792 | 788,790,48SS |
| 788 | | Evaluate SEP performance | 0% | 10 d | 10/29/04 | 11/12/04 | -25 d | 787 | 789SS |
| 789 | | Generate test reports | 0% | 11 d | 9/23/04 | 10/7/04 | -25 d | 788SS | |
| 790 | | Bakeout Clean SEP exterior & prepare for delivery | 0% | 3 d | 10/29/04 | 11/2/04 | -18 d | 787 | 50SS,7 |
| 791 | | FM 2 | 0% | 37 d | 10/5/04 | 11/29/04 | -25 d | | |
| 792 | | FM 2 EMI/EMC Test at CalTech | 0% | 2 d | 10/5/04 | 10/6/04 | -25 d | 780 | 614,787,794,57SS,793 |
| 793 | | FM 2 LET/HET/SEP Central Vibration/Acoustics Test | 0% | 10 d | 10/7/04 | 10/21/04 | -21 d | 792 | 56SS,794 |
| 794 | | FM 2 LET/HET/SEP Central T/V Test | 0% | 15 d | 10/22/04 | 11/12/04 | -21 d | 792,793 | 795,797,58SS |
| 795 | | Evaluate SEP performance | 0% | 10 d | 11/15/04 | 11/29/04 | -21 d | 794 | 796SS |
| 796 | | Generate test reports | 0% | 11 d | 10/14/04 | 10/28/04 | -21 d | 795SS | |
| 797 | | Bakeout Clean SEP exterior & prepare for delivery | 0% | 3 d | 11/15/04 | 11/17/04 | -14 d | 794 | 8,61SS |
| 798 | | Accelerator Test (at MSU) | 0% | 4 d | 7/10/04 | 7/15/04 | -5 d | | |
| 799 | | FM 1 LET/SEP Cen end-to-end test at Accelerator | 0% | 3 d | 7/10/04 | 7/12/04 | -6 d | 806,406,760 | 42SS,785FS+3 d,800,761 |
| 800 | | Detach HET FM1 from SEP Suite | 0% | 1 d | 7/13/04 | 7/13/04 | -4 d | 799 | 801 |

| ID | | Task Name | % Complete | Duration | Start | Finish | TS | Pred | Succ |
|-----|---|---|------------|--------------|----------------|-----------------|------------|------------|------------|
| 801 | | Deliver HET FM1 to GSFC for Replacement Detectors | 0% | 2 d | 7/14/04 | 7/15/04 | -4 d | 800 | 496 |
| 802 | | GSE | 62% | 305 d | 8/1/03 | 10/18/04 | 8 d | | |
| 803 | | End-to-End Test Equipment | 83% | 218 d | 8/11/03 | 6/22/04 | 7 d | | |
| 804 |  | Design | 95% | 192 d | 8/11/03 | 5/14/04 | 7 d | | 805 |
| 805 | | Assemble | 0% | 21 d | 5/17/04 | 6/15/04 | 7 d | 804 | 806 |
| 806 | | Test | 0% | 5 d | 6/16/04 | 6/22/04 | 7 d | 805 | 799 |
| 807 | | GSE software | 50% | 305 d | 8/1/03 | 10/18/04 | 8 d | | |
| 808 |  | Build GSE software release 2 | 81% | 232 d | 8/1/03 | 7/2/04 | 0 d | | 809FS-10 d |
| 809 |  | Write user's guide | 0% | 10 d | 6/21/04 | 7/2/04 | 9 d | 808FS-10 d | 810FS-45 d |
| 810 |  | Build GSE software release 3 | 0% | 117 d | 5/3/04 | 10/18/04 | 8 d | 809FS-45 d | 811FS-20 d |
| 811 |  | Write user's guide supplement | 0% | 20 d | 9/20/04 | 10/18/04 | 8 d | 810FS-20 d | |
| 812 | | SWEA and SIT Refurbishment (after S/C Environmental Testing) | 0% | 40 d | 9/27/05 | 11/21/05 | 0 d | | |
| 813 |  | Ship SWEA FM 1 to UCB | 0% | 3 d | 9/27/05 | 9/29/05 | 25 d | | 817 |
| 814 |  | Ship (Hand Carry) SIT FM 1 to UMD | 0% | 1 d | 9/27/05 | 9/27/05 | 27 d | | 818 |
| 815 |  | Ship SWEA FM 2 to UCB | 0% | 3 d | 10/4/05 | 10/6/05 | 20 d | | 819 |
| 816 |  | Ship (Hand Carry) SIT FM 2 to UMD | 0% | 1 d | 10/4/05 | 10/4/05 | 22 d | | 820 |
| 817 | | Vacuum Testing of SWEA FM 1 @ UCB | 0% | 5 d | 9/30/05 | 10/6/05 | 25 d | 813 | 821 |
| 818 | | Vacuum Testing of SIT FM 1 @ UMD | 0% | 5 d | 9/28/05 | 10/4/05 | 27 d | 814 | 822 |
| 819 | | Vacuum Testing of SWEA FM 2 @ UCB | 0% | 5 d | 10/7/05 | 10/13/05 | 20 d | 815 | 821 |
| 820 | | Vacuum Testing of SIT FM 2 @ UMD | 0% | 5 d | 10/5/05 | 10/11/05 | 22 d | 816 | 822 |
| 821 | | Ship SWEA FM 1 & 2 to Launch Site for Re-integration to S/C | 0% | 3 d | 10/14/05 | 10/18/05 | 20 d | 817,819 | 823 |
| 822 | | Ship SIT FM 1 & 2 to Launch Site for Re-integration to S/C | 0% | 3 d | 10/12/05 | 10/14/05 | 22 d | 818,820 | 823 |
| 823 | | Reintegration of SWEA and SIT to S/C (at Launch Site) | 0% | 3 d | 10/19/05 | 10/21/05 | 20 d | 821,822 | 824 |
| 824 |  | Target Date for Reintegration to S/C | 0% | 1 d | 11/19/05 | 11/21/05 | 0 d | 823 | |