

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
1	IMPACT - Dave Curtis (UCB) & Lil Reichenthal (GSFC)	77%	698 d	2/26/03	11/21/05	0 d		
2	Suite Deliveries to APL	0%	44 d	10/7/04	12/10/04	-30 d		
3	FM 1 Target Delivery Date	0%	0 d	10/7/04	10/7/04	-35 d	5,7	
4	FM 2 Target Delivery Date	0%	0 d	10/28/04	10/28/04	-30 d	8,6	
5	Boom Suite FM 1 Ready for Delivery to APL	0%	0 d	10/25/04	10/25/04	-12 d	350	3
6	Boom Suite FM 2 Ready for Delivery to APL	0%	0 d	11/23/04	11/23/04	-18 d	356	4
7	SEP Suite FM 1 Ready for Delivery to APL	0%	0 d	11/29/04	11/29/04	-35 d	825,645,539	3
8	SEP Suite FM 2 Ready for Delivery to APL	0%	0 d	12/10/04	12/10/04	-30 d	832,648,542	4
9	Environmental Testing - PER, Impact Suite EMC, Snapshots of Boom & SEP Suite Tes	13%	226 d	1/14/04	12/6/04	250 d		
10	Reviews (PER and TRR's) - TRR Dates are Tentative	50%	173 d	1/14/04	9/17/04	303 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	9/14/04	9/14/04	306 d	23SS-5 d	
16	TRR 5 - Prior to FM 1 SWEA Vibration	0%	1 d	9/14/04	9/14/04	306 d	26SS-5 d	
17	TRR 6 - Prior to FM 1 Impact Suite EMC (for Boom and SEP)	0%	1 d	8/30/04	8/30/04	316 d	19SS-5 d	
18	TRR 7 - Prior to FM 1 SIT Vibration	0%	1 d	9/17/04	9/17/04	303 d	43SS-5 d	
19	IMPACT Suite FM 1 EMC Testing at UCB	0%	10 d	9/7/04	9/20/04	-31 d	802,431	820FS+3 d,644,17SS-5 d,586
20	Boom Suite FM 1 Environmental Test Flow Snapshot - UCB	7%	122 d	4/26/04	10/18/04	283 d		
21	STE-U Thermal Vac/Thermal Balance/Bake Out	36%	14 d	4/26/04	5/13/04	391 d	269SS	13SS-6 d
22	Boom Structure Vibration	0%	4 d	6/23/04	6/28/04	360 d	211SS	14SS-19 d
23	IDPU Vibration	0%	5 d	9/21/04	9/27/04	297 d	174SS	15SS-5 d
24	Boom Structure Thermal Vac & Bake Out	0%	15 d	6/29/04	7/20/04	345 d	212SS	
25	IDPU Thermal Vac & Bake Out	0%	10 d	9/28/04	10/12/04	287 d	175SS	
26	SWEA/STE Vibration	0%	5 d	9/21/04	9/27/04	297 d	335SS	16SS-5 d
27	SWEA/STE Thermal Vac/Thermal Balance/Bake Out	0%	14 d	9/28/04	10/18/04	283 d	336SS	
28	Boom Suite FM 2 Environmental Test Flow Snapshot - UCB	0%	79 d	7/26/04	11/16/04	263 d		
29	STE-U Thermal Vac/Bake Out	0%	10 d	7/26/04	8/6/04	332 d	277SS	
30	IDPU Vibration	0%	5 d	10/13/04	10/19/04	282 d	178SS	
31	Boom Structure Vibration	0%	4 d	8/13/04	8/18/04	324 d	232SS	
32	IDPU Thermal Vac & Bake Out	0%	10 d	10/20/04	11/2/04	272 d	179SS	
33	Boom Structure Thermal Vac & Bake Out	0%	15 d	8/19/04	9/9/04	309 d	233SS	
34	SWEA/STE Vibration	0%	5 d	10/7/04	10/14/04	285 d	343SS	
35	SWEA/STE Thermal Vac & Bake Out	0%	10 d	10/15/04	10/28/04	275 d	344SS	
36	Boom Suite FM 2 EMC	0%	5 d	11/9/04	11/16/04	263 d	355SS	
37	SEP Suite FM 1 Environmental Test Flow Snapshot	19%	186 d	2/19/04	11/10/04	266 d		
38	SEPT (NS & E) Vibration (in Europe)	100%	4 d	2/19/04	2/24/04	0 d	577SS	
39	SEPT (NS & E) Thermal Vac (in Europe)	100%	11 d	2/27/04	3/12/04	0 d	578SS,594SS	12SS-6 d
40	SEPT (NS & E) Bake Out (in Europe)	100%	2 d	3/5/04	3/8/04	0 d	579SS,595SS	

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41	SEPT (NS & E) Thermal Balance (at GSFC)	0%	10 d	10/26/04	11/8/04	268 d	587SS,603SS	
42	LET/HET/SEP Cen Accelerator Test (at MSU)	0%	3 d	7/10/04	7/12/04	355 d	834SS	
43	SIT Vibe and Acoustics (at GSFC)	0%	10 d	9/24/04	10/7/04	289 d	755SS	18SS-5 d
44	LET/HET/SEP Cen Vibe and Acoustics (at JPL)	0%	10 d	9/24/04	10/7/04	289 d	820SS	
45	SIT Thermal Balance (at GSFC)	0%	5 d	10/12/04	10/18/04	283 d	757SS	
46	LET/HET/SEP Cen Thermal Balance (at JPL)	0%	5 d	10/8/04	10/15/04	284 d	821SS	
47	SIT Thermal Vac (at GSFC)	0%	10 d	10/19/04	11/1/04	273 d	758SS	
48	LET/HET/SEP Cen Thermal Vac (at JPL)	0%	15 d	10/18/04	11/5/04	269 d	822SS	
49	SIT Bake Out (at GSFC)	0%	3 d	11/4/04	11/8/04	268 d	760SS	
50	LET/HET/SEP Cen Bake Out (at JPL)	0%	3 d	11/8/04	11/10/04	266 d	825SS	
51	SEP Suite FM 2 Environmental Test Flow Snapshot	19%	202 d	2/19/04	12/6/04	250 d		
52	SEPT (NS & E) Vibe and Acoustics (in Europe)	100%	4 d	2/19/04	2/24/04	0 d	610SS	
53	SEPT (NS & E) Thermal Vac (in Europe)	100%	9 d	3/5/04	3/17/04	0 d	611SS,628SS	
54	SEPT (NS & E) Bake Out (in Europe)	100%	2 d	3/12/04	3/15/04	0 d	612SS,629SS	
55	LET/HET/SEP Cen Accelerator Test (at MSU)	0%	3 d	7/10/04	7/12/04	355 d	835SS	
56	LET/HET/SEP Cen Vibe and Acoustics (at JPL)	0%	10 d	10/18/04	10/29/04	274 d	828SS	
57	SEP Suite FM 2 EMC (at Caltech)	0%	5 d	10/14/04	10/20/04	281 d	827SS	
58	LET/HET/SEP Cen Thermal Vac (at JPL)	0%	15 d	11/1/04	11/22/04	259 d	829SS	
59	SIT Vibe and Acoustics (at GSFC)	0%	10 d	10/21/04	11/3/04	271 d	764SS	
60	SIT Thermal Balance (at GSFC)	0%	5 d	11/5/04	11/12/04	265 d	766SS	
61	LET/HET/SEP Cen Bake Out (at JPL)	0%	3 d	11/23/04	11/26/04	256 d	832SS	
62	SIT Thermal Vac (at GSFC)	0%	10 d	11/15/04	11/29/04	255 d	767SS	
63	SIT Bake Out (at GSFC)	0%	3 d	12/2/04	12/6/04	250 d	769SS	
64	Power Converters - UCB	78%	402 d	2/26/03	9/28/04	-35 d		
65	Deliveries	50%	204 d	12/9/03	9/28/04	-35 d		
66	FM 1	99%	174 d	12/9/03	8/16/04	-31 d		
67	Deliver IDPU FM 1 LVPS (stays at UCB)	0%	0 d	8/16/04	8/16/04	-31 d	121	173
68	Deliver SEP FM 1 LVPS (to Caltech)	100%	1 d	6/1/04	6/1/04	0 d	125	452,428FS+19 d
69	Deliver SWEA/STE FM 1 LVPS (stays at UCB)	0%	0 d	7/6/04	7/6/04	-29 d	129	331
70	Deliver PLASTIC FM 1 LVPS (to UNH)	100%	2 d	5/24/04	5/25/04	0 d	133	
71	Deliver SIT FM 1 HVPS (to UMD)	100%	2 d	12/9/03	12/10/03	0 d	135	715
72	FM 2	0%	59 d	7/7/04	9/28/04	-35 d		
73	Deliver IDPU FM 2 LVPS (stays at UCB)	0%	0 d	9/28/04	9/28/04	-35 d	140	177
74	Deliver SEP FM 2 LVPS (to Caltech)	0%	1 d	7/26/04	7/26/04	9 d	145	429
75	Deliver SWEA/STE FM 2 LVPS (stays at UCB)	0%	0 d	8/17/04	8/17/04	-17 d	149	340
76	Deliver PLASTIC FM 2 LVPS (to UNH)	0%	2 d	7/13/04	7/14/04	5 d	153	
77	Deliver SIT FM 2 HVPS (to UMD)	0%	2 d	7/7/04	7/8/04	-25 d	157	717
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	78%	166 d	12/29/03	8/23/04	-29 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	119FS+37 d
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	61%	104 d	3/29/04	8/23/04	-29 d		
106		Assemble IDPU FM 2 LVPS	0%	15 d	8/3/04	8/23/04	-35 d	95,119	138
107		Assemble SEP FM 2 LVPS	56%	25 d	5/24/04	6/28/04	9 d	96,123FS+5 d	142FS-10 d
108		Assemble SWEA FM 2 LVPS	0%	15 d	6/22/04	7/13/04	-17 d	97,127	147
109		Assemble PLASTIC FM 2 LVPS	80%	30 d	5/10/04	6/21/04	15 d	98,131	151FS-16 d
110		Assemble SIT FM 2 HVPS	83%	65 d	3/29/04	6/28/04	9 d	94,103	155FS-20 d
111		Testing	54%	229 d	10/31/03	9/28/04	-35 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	69%	199 d	10/31/03	8/16/04	-31 d		
118		IDPU	0%	40 d	6/21/04	8/16/04	-35 d		
119		Test IDPU FM 1 LVPS	0%	30 d	6/21/04	8/2/04	-35 d	101FS+37 d	120,106
120		Coat & Stake IDPU LVPS FM 1 Boards	0%	5 d	8/3/04	8/9/04	-31 d	119	121

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121	Retest IDPU LVPS FM 1 Boards	0%	5 d	8/10/04	8/16/04	-31 d	120	67
122	SEP	100%	58 d	3/10/04	5/28/04	0 d		
123	Test SEP FM 1 LVPS	100%	48 d	3/10/04	5/14/04	0 d	102	124,107FS+5 d
124	Coat & Stake SEP LVPS FM 1 Boards	100%	5 d	5/17/04	5/21/04	0 d	123	125
125	Retest SEP LVPS FM 1 Boards	100%	5 d	5/24/04	5/28/04	0 d	124,368	68
126	SWEA	44%	80 d	3/15/04	7/6/04	-10 d		
127	Test SWEA FM 1 LVPS	50%	70 d	3/15/04	6/21/04	-29 d	103	128,108
128	Coat & Stake SWEA LVPS FM 1 Boards	0%	5 d	6/22/04	6/28/04	-29 d	127	129
129	Retest SWEA LVPS FM 1 Boards	0%	5 d	6/29/04	7/6/04	-29 d	128	69
130	PLASTIC	100%	73 d	2/10/04	5/21/04	0 d		
131	Test PLASTIC FM 1 LVPS	100%	63 d	2/10/04	5/7/04	0 d	104	132,109
132	Coat & Stake PLASTIC LVPS FM 1 Boards	100%	5 d	5/10/04	5/14/04	0 d	131	133
133	Retest PLASTIC LVPS FM 1 Boards	100%	5 d	5/17/04	5/21/04	0 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	14%	85 d	5/28/04	9/28/04	-35 d		
137	IDPU	0%	25 d	8/24/04	9/28/04	-35 d		
138	Test IDPU FM 2 LVPS	0%	15 d	8/24/04	9/14/04	-35 d	106	139
139	Coat & Stake IDPU LVPS FM 2 Boards	0%	5 d	9/15/04	9/21/04	-35 d	138	140
140	Retest IDPU LVPS FM 2 Boards	0%	5 d	9/22/04	9/28/04	-35 d	139	73
141	SEP	0%	28 d	6/15/04	7/23/04	9 d		
142	Test SEP FM 2 LVPS	0%	15 d	6/15/04	7/6/04	9 d	107FS-10 d	143
143	Coat & Stake SEP LVPS FM 2 Boards	0%	5 d	7/7/04	7/13/04	9 d	142	144
144	Retest SEP LVPS FM 2 Boards	0%	5 d	7/14/04	7/20/04	9 d	143,368	145
145	Bakeout SEP LVPS FM 2 Boards	0%	3 d	7/21/04	7/23/04	9 d	144	74
146	SWEA	0%	25 d	7/14/04	8/17/04	-17 d		
147	Test SWEA FM 2 LVPS	0%	15 d	7/14/04	8/3/04	-17 d	108	148
148	Coat & Stake SWEA LVPS FM 2 Boards	0%	5 d	8/4/04	8/10/04	-17 d	147	149
149	Retest SWEA LVPS FM 2 Boards	0%	5 d	8/11/04	8/17/04	-17 d	148	75
150	PLASTIC	33%	30 d	5/28/04	7/12/04	5 d		
151	Test PLASTIC FM 2 LVPS	50%	20 d	5/28/04	6/25/04	5 d	109FS-16 d	152
152	Coat & Stake PLASTIC LVPS FM 2 Boards	0%	5 d	6/28/04	7/2/04	5 d	151	153
153	Retest PLASTIC LVPS FM 2 Boards	0%	5 d	7/6/04	7/12/04	5 d	152	76
154	SIT	36%	25 d	6/1/04	7/6/04	-10 d		
155	Test SIT FM 2 HVPS	60%	15 d	6/1/04	6/21/04	-25 d	110FS-20 d	156
156	Coat & Stake SIT FM 2 HVPS Boards	0%	5 d	6/22/04	6/28/04	-25 d	155	157
157	Retest SIT FM 2 HVPS Boards	0%	5 d	6/29/04	7/6/04	-25 d	156	77
158	IDPU - UCB	86%	378 d	5/5/03	11/2/04	-18 d		
159	Deliveries	0%	30 d	8/23/04	10/5/04	-35 d		
160	IDPU FM 1 Complete (to UCB for Boom I&T, then to CIT for SEP I&T, Suite EMC,	0%	0 d	8/23/04	8/23/04	-31 d	173	349

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161	IDPU FM 2 Complete (to CIT for SEP I&T, then to UCB for Boom I&T, Boom EMC,	0%	0 d	10/5/04	10/5/04	-35 d	177	811
162	Flight Software	93%	306 d	5/5/03	7/21/04	44 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)	88%	234 d	8/15/03	7/21/04	44 d		179
165	GSE	87%	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)	79%	291 d	7/15/03	9/8/04	0 d		
169	Integration & Test	38%	270 d	10/7/03	11/2/04	-18 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%	39 d	8/17/04	10/12/04	-31 d		
173	IDPU FM 1 I & T	0%	5 d	8/17/04	8/23/04	-31 d	163,67,236,280,171	174,160
174	IDPU FM 1 Vibration	0%	5 d	9/21/04	9/27/04	-8 d	173,19	175,23SS
175	IDPU FM 1 Thermal Vacuum & Bake Out	0%	10 d	9/28/04	10/12/04	-8 d	174	25SS,350
176	FM 2	0%	24 d	9/29/04	11/2/04	-35 d		
177	IDPU FM 2 I & T	0%	5 d	9/29/04	10/5/04	-35 d	73,237,281,170,171	161
178	IDPU FM 2 Vibration	0%	5 d	10/13/04	10/19/04	-18 d	812FS+2 d	179,30SS
179	IDPU FM 2 Thermal Vacuum & Bake Out	0%	10 d	10/20/04	11/2/04	-18 d	178,164	32SS,354
180	BOOM Suite - UCB	87%	352 d	7/1/03	11/23/04	-18 d		
181	BOOM Structure - UCB	88%	252 d	9/10/03	9/9/04	17 d		
182	Deliveries	0%	169 d	1/9/04	9/9/04	17 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	7/20/04	7/20/04	-9 d	212	349,348
185	Deliver Boom Structure FM 2 (stays at UCB for Boom Suite FM 2 I&T)	0%	0 d	9/9/04	9/9/04	17 d	233	354,353
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		216
192	FM 1	93%	203 d	9/29/03	7/20/04	-9 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	197,217SS
197	Assemble FM 1 Boom Structure Telescoping Assembly	100%	5 d	2/23/04	2/27/04	0 d	195,196	198,218SS
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		

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201	Machine FM 1 Harness Parts	100%	103 d	9/29/03	2/27/04	0 d		203,222SS
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		207,227SS
207	FM 1Boom Structure Mounting Assembly	100%	10 d	11/7/03	11/21/03	0 d	206	
208	Integration & Test	77%	89 d	3/16/04	7/20/04	-9 d		
209	Integrate FM 1 Boom Structure subassemblies & Harness Completion	100%	60 d	3/16/04	6/8/04	0 d	198,204FS+5 d	210,230SS+10 d
210	FM 1 Boom Structure Deployment Test	100%	3 d	6/9/04	6/11/04	0 d	209	211,347
211	FM 1 Boom Structure Vibration Test	0%	4 d	6/23/04	6/28/04	-9 d	210,347	212,22SS
212	FM 1 Boom Structure Themal Vac & Bake Out	0%	15 d	6/29/04	7/20/04	-9 d	211	233,24SS,184
213	FM 2	76%	239 d	9/29/03	9/9/04	17 d		
214	Telescoping	100%	78 d	11/6/03	3/2/04	0 d		
215	Fabrication, Assembly & Test	100%	78 d	11/6/03	3/2/04	0 d		
216	Machine FM 2 Boom Structure Tubes as necessary	100%	11 d	11/6/03	11/21/03	0 d	191	218
217	Machine FM 2 Boom Structure Parts (Rings)	100%	38 d	11/7/03	1/5/04	0 d	196SS	218
218	Assemble FM 2 Boom Structure Telescoping Assembly	100%	5 d	2/23/04	2/27/04	0 d	216,217,197SS	219
219	Test FM 2 Boom Structure Telescoping Assembly	100%	2 d	3/1/04	3/2/04	0 d	218	230
220	Harness	100%	110 d	9/29/03	3/9/04	0 d		
221	Fabrication	100%	103 d	9/29/03	2/27/04	0 d		
222	Machine FM 2 Harness Parts	100%	103 d	9/29/03	2/27/04	0 d	201SS	224
223	Assembly & Test	100%	7 d	3/1/04	3/9/04	0 d		
224	Assemble FM 2 Harness subassembly	100%	6 d	3/1/04	3/8/04	0 d	222	225
225	FM 2 Harness Test	100%	1 d	3/9/04	3/9/04	0 d	224	230
226	Mounting	100%	38 d	9/29/03	11/21/03	0 d		
227	FM 2 Boom Structure Mountings Fabrication	100%	28 d	9/29/03	11/6/03	0 d	206SS	228
228	FM 2 Boom Structure Mountings Assembly	100%	10 d	11/7/03	11/21/03	0 d	227	
229	Integration & Test	26%	116 d	3/29/04	9/9/04	17 d		
230	Integrate FM 2 Boom Structure subassemblies & Harness Completion	33%	75 d	3/29/04	7/13/04	32 d	219,225,209SS+10 d	231
231	FM 2 Boom Structure Deployment Test	0%	3 d	7/14/04	7/16/04	32 d	230	232,352
232	FM 2 Boom Structure Vibration Test	0%	4 d	8/13/04	8/18/04	17 d	231,352	233,31SS
233	FM 2 Boom Structure Themal Vac & Bake Out	0%	15 d	8/19/04	9/9/04	17 d	232,212	33SS,185
234	MAG - GSFC	100%	63 d	2/20/04	5/18/04	0 d		
235	Deliveries	100%	15 d	4/28/04	5/18/04	0 d		
236	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	240	173,347
237	Deliver MAG FM 2 (to UCB for IDPU/BOOM Suite FM 2 I&T)	100%	2 d	5/17/04	5/18/04	0 d	243	177,352
238	FM 1	100%	48 d	2/20/04	4/27/04	0 d		
239	FM 1 MAG Testing	100%	20 d	2/20/04	3/18/04	0 d		240FS+10 d,242FF+10 d
240	MAG FM 1 Calibration	100%	22 d	3/26/04	4/27/04	0 d	239FS+10 d	236

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
241	FM 2	100%	51 d	3/5/04	5/14/04	0 d		
242	FM 2 MAG Testing	100%	20 d	3/5/04	4/1/04	0 d	239FF+10 d	243FS+10 d
243	MAG FM 2 Calibration	100%	21 d	4/16/04	5/14/04	0 d	242FS+10 d	237
244	SWEA - CESR	100%	126 d	12/8/03	6/7/04	0 d		
245	Deliveries	100%	126 d	12/8/03	6/7/04	0 d		
246	SWEA FM 1 Delivery to UCB	100%	3 d	12/8/03	12/10/03	0 d		333
247	SWEA FM 2 Delivery to UCB	100%	3 d	6/3/04	6/7/04	0 d	250FS+7 d	341
248	FM 2	100%	50 d	3/15/04	5/21/04	0 d		
249	SWEA FM 2 Final Assembly (Block 2)	100%	5 d	3/15/04	3/19/04	0 d		250
250	SWEA FM 2 Calibration	100%	45 d	3/22/04	5/21/04	0 d	249	247FS+7 d
251	STE - UCB	89%	236 d	8/29/03	8/6/04	17 d		
252	Deliveries	0%	38 d	6/14/04	8/6/04	-7 d		
253	Deliver STE-D FM 1 (stays at UCB for SWEA/STE-D FM 1 I&T)	0%	0 d	6/14/04	6/14/04	-4 d	268	333
254	Deliver STE-D FM 2 (stays at UCB for SWEA/STE-D FM 2 I&T)	0%	0 d	8/6/04	8/6/04	0 d	276	341
255	Deliver STE-U FM 1 (stays at UCB for BOOM Suite FM 1 I&T)	0%	0 d	6/16/04	6/16/04	-9 d	269	347
256	Deliver STE-U FM 2 (stays at UCB for BOOM Suite FM 2 I&T)	0%	0 d	8/6/04	8/6/04	17 d	277	352
257	STE-U/D Housing	100%	53 d	11/21/03	2/9/04	0 d		
258	Fabricate STE FM 1 Box	100%	53 d	11/21/03	2/9/04	0 d		267
259	Fabricate STE FM 2 Box	100%	53 d	11/21/03	2/9/04	0 d		275
260	STE-U/D Detector Boards	86%	236 d	8/29/03	8/6/04	17 d		
261	Coupon Test STE FM 1 & FM 2 Detector Printed Wiring Board	100%	17 d	10/10/03	11/4/03	0 d	263,271	264,272
262	FM 1	98%	200 d	8/29/03	6/16/04	0 d		
263	Fabrication STE FM 1 Detector Printed Wiring Board	100%	29 d	8/29/03	10/9/03	0 d		261
264	Load STE FM 1 Detector Printed Wiring Board	100%	60 d	11/5/03	2/3/04	0 d	261	265
265	Test STE FM 1 Detector Printed Wiring Board	100%	10 d	2/4/04	2/18/04	0 d	264	267,272FF+17 d
266	Integration & Test	97%	84 d	2/19/04	6/16/04	0 d		
267	Integrate & Test STE-U/D FM 1 Detectors W/ FM 1 Housings	100%	47 d	2/19/04	4/23/04	0 d	258,265	275FS-10 d,268FS-10 d
268	Calibrate STE-U/D FM 1	98%	45 d	4/12/04	6/14/04	-9 d	267FS-10 d	269FS-6 d,253,275
269	STE-U FM 1 Thermal Vacuum/Balance/Bake Out	90%	31 d	4/26/04	6/16/04	-9 d	268FS-6 d	255,21SS
270	FM 2	73%	236 d	8/29/03	8/6/04	17 d		
271	Fabricate STE FM 2 Detector Printed Wiring Board	100%	29 d	8/29/03	10/9/03	0 d		261
272	Load STE FM 2 Detector Printed Wiring Board	100%	63 d	11/5/03	3/12/04	0 d	261,265FF+17 d	273
273	Test STE FM 2 Detector Printed Wiring Board	100%	65 d	3/15/04	6/14/04	0 d	272	275
274	Integration & Test	0%	38 d	6/15/04	8/6/04	0 d		
275	Integrate & Test STE-U/D FM 2 Detectors W/ FM 2 Housings	0%	20 d	6/15/04	7/13/04	0 d	259,273,267FS-10 d,26	276FS-10 d
276	Calibrate STE-U/D FM 2	0%	28 d	6/29/04	8/6/04	0 d	275FS-10 d	277FS-10 d,254
277	STE-U FM 2 Thermal Vacuum/Bake Out	0%	10 d	7/26/04	8/6/04	17 d	276FS-10 d	256,29SS
278	STE and SWEA - UCB	88%	335 d	7/1/03	10/28/04	-17 d		
279	Deliveries	0%	115 d	5/14/04	10/28/04	-17 d		
280	Deliver STE-U FM 1 Interface (stays at UCB for IDPU FM 1 I&T)	100%	0 d	5/14/04	5/14/04	0 d	329	173

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
281	Deliver STE-U FM 2 Interface (stays at UCB for IDPU FM 2 I&T)	100%	0 d	6/9/04	6/9/04	0 d	338	177
282	Deliver SWEA/STE-D FM 1 (stays at UCB for Boom Suite FM 1 I&T)	0%	0 d	8/17/04	8/17/04	-29 d	334	348
283	Deliver SWEA/STE-D FM 2 (stays at UCB for Boom Suite FM 2 I&T)	0%	0 d	10/28/04	10/28/04	-17 d	344	353
284	SWEA Pedestal	100%	152 d	7/1/03	2/9/04	0 d		
285	Fabricate SWEA FM 1 Baseplate	100%	152 d	7/1/03	2/9/04	0 d		330
286	Fabricate SWEA FM 2 Baseplate	100%	152 d	7/1/03	2/9/04	0 d		339
287	STE-D Pre-Amp Board	100%	163 d	9/22/03	5/14/04	0 d		
288	FM 1	100%	163 d	9/22/03	5/14/04	0 d		
289	Fabricate STE-D FM 1 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		294
290	Load STE-D FM 1 Preamp Printed Wiring Board	100%	49 d	3/9/04	5/14/04	0 d	294	330,293SS
291	FM 2	100%	163 d	9/22/03	5/14/04	0 d		
292	Fabricate STE-D FM 2 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		294
293	Load STE-D FM 2 Preamp Printed Wiring Board	100%	49 d	3/9/04	5/14/04	0 d	290SS	339
294	Coupon Test STE-D FM 1 & FM 2 Pre-Amp Printed Wiring Boards	100%	15 d	11/10/03	12/2/03	0 d	289,292	290
295	STE-D Shaper Board	100%	118 d	12/4/03	5/21/04	0 d		
296	FM 1	100%	67 d	12/4/03	3/11/04	0 d		
297	Fabricate STE-D FM 1 Shaper Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		302
298	Load STE-D FM 1 Shaper Printed Wiring Board	100%	5 d	3/5/04	3/11/04	0 d	302	330,306SS
299	FM 2	100%	118 d	12/4/03	5/21/04	0 d		
300	Fabricate STE-D FM 2 Shaper Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		302
301	Load STE-D FM 2 Shaper Printed Wiring Board	100%	15 d	5/3/04	5/21/04	0 d	302FS+78 d	339,309SS,330
302	Coupon Test STE-D FM 1 & FM 2 Shaper Printed Wiring Boards	100%	15 d	12/18/03	1/9/04	0 d	297,300	298,301FS+78 d
303	STE-D Interface Board	100%	118 d	12/4/03	5/21/04	0 d		
304	FM 1	100%	67 d	12/4/03	3/11/04	0 d		
305	Fabricate SWEA / STE-D FM 1 Digital to Analog Converter Printed Wiring	100%	10 d	12/4/03	12/17/03	0 d		310
306	Load SWEA / STE-D FM 1 Digital to Analog Converter Printed Wiring Bo	100%	5 d	3/5/04	3/11/04	0 d	298SS	330
307	FM 2	100%	118 d	12/4/03	5/21/04	0 d		
308	Fabricate SWEA / STE-D FM 2 Digital to Analog Converter Printed Wiring	100%	10 d	12/4/03	12/17/03	0 d		310
309	Load SWEA / STE-D FM 2 Digital to Analog Converter Printed Wiring Bo	100%	15 d	5/3/04	5/21/04	0 d	301SS	339
310	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	305,308	
311	STE-U Pre-Amp Board	100%	160 d	9/22/03	5/11/04	0 d		
312	FM 1	100%	79 d	9/22/03	1/15/04	0 d		
313	Fabricate STE-U FM 1 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		318
314	Load STE-U FM 1 Preamp Printed Wiring Board	100%	4 d	1/12/04	1/15/04	0 d	318	329
315	FM 2	100%	160 d	9/22/03	5/11/04	0 d		
316	Fabricate STE-U FM 2 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		318
317	Load STE-U FM 2 Preamp Printed Wiring Board	100%	46 d	3/9/04	5/11/04	0 d	318	338
318	Coupon Test STE-U FM 1 & FM 2 Pre-Amp Printed Wiring Boards	100%	15 d	11/10/03	12/2/03	0 d	313,316	314,317
319	STE-U Shaper & Interface Board	100%	78 d	12/4/03	3/26/04	0 d		
320	FM 1	100%	73 d	12/4/03	3/19/04	0 d		

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
321	Fabricate STE-U FM 1 Shaper & Interface Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		326
322	Load STE-U FM 1 Shaper & Interface Printed Wiring Board	100%	13 d	3/3/04	3/19/04	0 d	326	329,325
323	FM 2	100%	78 d	12/4/03	3/26/04	0 d		
324	Fabricate STE-U FM 2 Shaper & Interface Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		326
325	Load STE-U FM 2 Shaper & Interface Printed Wiring Board	100%	5 d	3/22/04	3/26/04	0 d	322	338
326	Coupon Test STE-U FM 1 & FM 2 Shaper & Interface Printed Wiring Boards	100%	15 d	12/18/03	1/9/04	0 d	321,324	322
327	Integration & Test	42%	155 d	3/22/04	10/28/04	-17 d		
328	FM 1	45%	147 d	3/22/04	10/18/04	-12 d		
329	Integrate & Test STE-U FM 1 Interface Boards	100%	40 d	3/22/04	5/14/04	0 d	314,322	280
330	Integrate & Test SWEA/STE-D FM 1 Interface Boards	70%	20 d	5/24/04	6/21/04	-19 d	285,290,298,306,301	331,332
331	Integrate & Test SWEA/STE-D FM 1 Interface with SWEA/STE-D FM 1 I	0%	10 d	7/7/04	7/20/04	-29 d	330,69	333
332	Clean/Coat/Stake SWEA/STE-D Interface	0%	10 d	6/22/04	7/6/04	-19 d	330	333
333	Integrate & Test SWEA/STE-D FM 1 Combined	0%	5 d	7/21/04	7/27/04	-29 d	331,332,246,253	334
334	Calibrate SWEA/STE FM 1	0%	15 d	7/28/04	8/17/04	-29 d	333	335,282
335	SWEA/STE FM 1 Vibration	0%	5 d	9/21/04	9/27/04	-12 d	334,19	26SS,336
336	SWEA/STE-D FM 1 Thermal Vac/Thermal Balance/Bake Out	0%	14 d	9/28/04	10/18/04	-12 d	335	27SS,350
337	FM 2	38%	118 d	5/12/04	10/28/04	-17 d		
338	Integrate & Test STE-U FM 2 Interface Boards	100%	20 d	5/12/04	6/9/04	0 d	317,325	281
339	Integrate & Test SWEA/STE-D FM 2 Interface Boards	70%	20 d	5/24/04	6/21/04	23 d	286,293,301,309	340
340	Integrate & Test SWEA/STE-D FM 2 Interface with SWEA/STE-D FM 2 L	0%	10 d	8/18/04	8/31/04	-17 d	339,75	341
341	Integrate & Test SWEA/STE-D FM 2 Combined	0%	10 d	9/1/04	9/15/04	-17 d	340,247,254	342
342	Calibrate SWEA/STE FM 2	0%	15 d	9/16/04	10/6/04	-17 d	341	343
343	SWEA/STE FM 2 Vibration	0%	5 d	10/7/04	10/14/04	-17 d	342	344,34SS
344	SWEA/STE-D FM 2 Thermal Vac & bake Out	0%	10 d	10/15/04	10/28/04	-17 d	343	283,35SS
345	Boom Suite I&T - UCB	0%	110 d	6/17/04	11/23/04	-18 d		
346	FM 1	0%	90 d	6/17/04	10/25/04	-12 d		
347	FM 1 Boom/MAG/STE-U I&T	0%	4 d	6/17/04	6/22/04	-9 d	210,236,255	211
348	FM 1 Boom/SWEA/STE/MAG I&T	0%	2 d	8/18/04	8/19/04	-29 d	282,184	349
349	FM 1 Integrated Boom/IDPU I&T	0%	4 d	8/24/04	8/27/04	-31 d	348,184,160	350,796
350	Final BOOM Suite FM 1 I & T	0%	5 d	10/19/04	10/25/04	-12 d	349,336,175	5
351	FM 2	0%	74 d	8/9/04	11/23/04	-18 d		
352	FM 2 Boom/MAG/STE-U I&T	0%	4 d	8/9/04	8/12/04	17 d	231,237,256	232
353	FM 2 Boom/SWEA/STE/MAG I&T	0%	2 d	10/29/04	11/1/04	-17 d	283,185	354
354	FM 2 Integrated Boom/IDPU I&T	0%	4 d	11/3/04	11/8/04	-18 d	353,185,179	355
355	Boom Suite FM 2 EMC	0%	5 d	11/9/04	11/16/04	-18 d	354	36SS,356
356	Final BOOM Suite FM 2 I & T	0%	5 d	11/17/04	11/23/04	-18 d	355	6
357	SEP Suite - CIT	75%	385 d	6/2/03	12/10/04	-29 d		
358	SEP Mechanical - Sandy Shuman (GSFC)	67%	144 d	1/27/04	8/18/04	-4 d		
359	SIT Electronics Enclosure (Priority 1)	100%	70 d	2/9/04	5/17/04	0 d		
360	Complete Design/Drawings for SIT Enclosure	100%	10 d	2/9/04	2/23/04	0 d		361FS+32 d,365SS

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
361	Fabrication of SIT Enclosure	100%	21 d	4/8/04	5/6/04	0 d	360FS+32 d	362
362	Inspection and Final Assembly of SIT Enclosure	100%	6 d	5/7/04	5/14/04	0 d	361	363
363	Deliver SIT Enclosure to UMD	100%	1 d	5/17/04	5/17/04	0 d	362	726,744
364	SEP FM 1 & FM 2 LVPS Boxes (Priority 2)	100%	53 d	2/9/04	4/22/04	0 d		
365	Complete Design/Drawings for SEP LVPS Boxes	100%	5 d	2/9/04	2/13/04	0 d	360SS	366,370
366	Fabrication of SEP LVPS Boxes	100%	35 d	2/17/04	4/5/04	0 d	365	367
367	Inspection of SEP LVPS Boxes (Final Assembly at UCB)	100%	10 d	4/6/04	4/19/04	0 d	366	368
368	Deliver SEP LVPS Boxes to UCB	100%	3 d	4/20/04	4/22/04	0 d	367	125,144
369	SEP Electronics Enclosure (Priority 3)	91%	92 d	2/17/04	6/24/04	-9 d		
370	Complete Design/Drawings for SEP Enclosure	100%	73 d	2/17/04	5/27/04	0 d	365	371FS-5 d,375FS-3 d
371	Fabrication of SEP Enclosure	100%	15 d	5/21/04	6/11/04	0 d	370FS-5 d	372
372	Inspection and Final Assembly of SEP Enclosure	0%	6 d	6/14/04	6/21/04	-9 d	371	373
373	Deliver SEP Enclosure to CIT	0%	3 d	6/22/04	6/24/04	-9 d	372	790,807
374	SEP Central Bias Supply Shields (Priority 4)	65%	20 d	5/25/04	6/22/04	32 d		
375	Complete Design/Drawings for Bias Supply Shields	100%	5 d	5/25/04	6/1/04	0 d	370FS-3 d	376,379FS-5 d
376	Fabrication of Bias Supply Shields	80%	10 d	6/2/04	6/15/04	32 d	375	377
377	Inspection and Delivery (to CIT) of Bias Supply Shields	0%	5 d	6/16/04	6/22/04	32 d	376	429
378	LET Telescope (Priority 5)	50%	26 d	5/25/04	6/30/04	-11 d		
379	Complete Design/Drawings for LET Telescope	100%	5 d	5/25/04	6/1/04	0 d	375FS-5 d	380,384FS-14 d
380	Fabrication of LET Telescope	80%	10 d	6/2/04	6/15/04	-15 d	379	381
381	Inspection and Final Assembly of LET Telescope (CIT has detectors)	0%	8 d	6/16/04	6/25/04	-15 d	380	382
382	Deliver LET Telescope to CIT	0%	3 d	6/28/04	6/30/04	-15 d	381	532,534
383	HET Electronics Enclosure (Priority 6)	79%	67 d	3/22/04	6/23/04	-5 d		
384	Complete Design/Drawings for HET Enclosure	100%	23 d	3/22/04	6/2/04	0 d	379FS-14 d	385,389FF
385	Fabrication of HET Enclosure	70%	10 d	6/3/04	6/16/04	-7 d	384	386
386	Inspection and Final Assembly of HET Enclosure	0%	5 d	6/17/04	6/23/04	-7 d	385	387,391SS-3 d
387	Deliver HET Enclosure (stays at GSFC)	0%	0 d	6/23/04	6/23/04	-7 d	386	391FS-8 d
388	HET Telescope (Priority 7)	95%	102 d	1/27/04	6/18/04	-5 d		
389	On Going work for HET Telescope (Complete Design/Drawings & Prep for Fal	100%	89 d	1/27/04	6/2/04	0 d	384FF	390FS-3 d,394
390	Fabrication of HET Telescope	100%	10 d	5/28/04	6/11/04	0 d	389FS-3 d	391
391	Inspection and Final Assembly of HET Telescope	0%	5 d	6/14/04	6/18/04	-7 d	390,386SS-3 d,387FS-3 d	392
392	Deliver HET Telescope (stays at GSFC)	0%	0 d	6/18/04	6/18/04	-7 d	391	502,508
393	SIT Telescope (Priority 8)	18%	39 d	6/3/04	7/28/04	-21 d		
394	Complete Design/Drawings for SIT Telescope	39%	18 d	6/3/04	6/28/04	-29 d	389	395,406
395	Fabrication of SIT Telescope	0%	10 d	6/29/04	7/13/04	-29 d	394	396
396	Inspection and Final Assembly of SIT Telescope	0%	10 d	7/14/04	7/27/04	-29 d	395	397
397	Deliver SIT Telescope to UMD (Includes the Foils and Detectors)	0%	1 d	7/28/04	7/28/04	-29 d	396	744,726
398	Shipping Containers for HET, SIT & SEP Central (Priority 9)	71%	33 d	5/10/04	6/24/04	17 d		
399	Design	100%	15 d	5/10/04	5/28/04	0 d		400
400	Fabrication/Machining	90%	10 d	6/1/04	6/14/04	-6 d	399	401

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
401	Inspection and Assembly	0%	5 d	6/15/04	6/21/04	-6 d	400	402,403,404
402	HET Container stays at GSFC	0%	0 d	6/21/04	6/21/04	-3 d	401	458,460
403	SIT Container to UMD	0%	1 d	6/22/04	6/22/04	19 d	401	643,646
404	SEP Central Container to CIT	0%	3 d	6/22/04	6/24/04	-6 d	401	834
405	SIT Door (Priority 10)	0%	27 d	6/29/04	8/5/04	-22 d		
406	Complete Design/Drawings for SIT Door	0%	10 d	6/29/04	7/13/04	-22 d	394	407,422
407	Fabrication	0%	10 d	7/14/04	7/27/04	5 d	406	408
408	Inspection	0%	5 d	7/28/04	8/3/04	5 d	407	409
409	Final Assembly	0%	1 d	8/4/04	8/4/04	5 d	408	410
410	Deliver SIT Door (stay at GSFC for Environmental Testing)	0%	1 d	8/5/04	8/5/04	5 d	409	644,752
411	Remaining HET Housing	0%	20 d	7/6/04	8/2/04	-15 d		
412	Complete Design/Drawings for Remaining HET Housing	0%	5 d	7/6/04	7/12/04	-15 d		413,417SS+1 d
413	Fabrication of Remaining HET Housing	0%	10 d	7/13/04	7/26/04	-15 d	412	414
414	Inspection and Final Assembly of Remaining HET Housing	0%	5 d	7/27/04	8/2/04	-15 d	413	415
415	Deliver HET Enclosure (stays at GSFC)	0%	0 d	8/2/04	8/2/04	-15 d	414	459
416	Remaining LET Brackets	0%	21 d	7/7/04	8/4/04	-15 d		
417	Complete Design/Drawings for Remaining LET Brackets	0%	5 d	7/7/04	7/13/04	-15 d	412SS+1 d	418
418	Fabrication of Remaining LET Brackets	0%	10 d	7/14/04	7/27/04	-15 d	417	419
419	Inspection and Final Assembly of Remaining LET Brackets	0%	5 d	7/28/04	8/3/04	-15 d	418	420
420	Deliver Remaining LET Brackets to CIT for SEP I&T	0%	1 d	8/4/04	8/4/04	-15 d	419	795
421	LET Radiation Test Fixture (Priority 11)	0%	26 d	7/14/04	8/18/04	-22 d		
422	Design	0%	5 d	7/14/04	7/20/04	-22 d	406	423
423	Fabrication	0%	10 d	7/21/04	8/3/04	-22 d	422	424
424	Inspection and Assembly	0%	10 d	8/4/04	8/17/04	-22 d	423	425
425	Deliver to CIT for SEP I&T	0%	1 d	8/18/04	8/18/04	-22 d	424	802
426	SEP Central - CIT	81%	265 d	8/1/03	8/19/04	-9 d		
427	Deliveries	0%	37 d	6/28/04	8/19/04	-11 d		
428	Deliver all SEP Cen FM 1 Boards to SEP I&T (stays at CIT)	0%	0 d	6/28/04	6/28/04	-11 d	437,440,447,68FS+19 d	790
429	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	9 d	74,377,438,441,448	807
430	SEP Central Build 3 Software Complete	0%	0 d	6/30/04	6/30/04	-13 d	454	790,807
431	Final SEP Central Flight Software Complete	0%	0 d	8/19/04	8/19/04	-20 d	455	19
432	Logic Board	100%	75 d	2/13/04	5/28/04	0 d		
433	Assembly	100%	10 d	2/13/04	2/27/04	0 d		
434	Assemble FM 1 SEP Central Logic board	100%	10 d	2/13/04	2/27/04	0 d		435SS,437
435	Assemble FM 2 SEP Central Logic board	100%	10 d	2/13/04	2/27/04	0 d	434SS	438
436	Test	100%	65 d	3/1/04	5/28/04	0 d		
437	Test FM 1 SEP Central Logic board (initial)	100%	20 d	3/1/04	3/26/04	0 d	434	428
438	Test FM 2 SEP Central Logic board (initial)	100%	65 d	3/1/04	5/28/04	0 d	435	429
439	Analog/Post-Reg Board	100%	0 d	1/27/04	1/27/04	0 d		
440	FM 1 Analog/Post-Reg Board Complete Test and awaiting Conformal Coat w/	100%	0 d	1/27/04	1/27/04	0 d		428

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
441	FM 2 Analog/Post-Reg Board Complete Test and awaiting Conformal Coat w	100%	0 d	1/27/04	1/27/04	0 d		429
442	SEP Solid State Detector Bias Supply Board	100%	55 d	1/20/04	4/6/04	0 d		
443	Assembly & Initial Test	100%	40 d	1/20/04	3/16/04	0 d		
444	Assemble and Initial Test FM 1 SSD Bias Supply Board	100%	40 d	1/20/04	3/16/04	0 d		445SS,447
445	Assemble and Initial Test FM 2 SSD Bias Supply Board	100%	40 d	1/20/04	3/16/04	0 d	444SS	448
446	Final Test	100%	15 d	3/17/04	4/6/04	0 d		
447	Final Test FM 1 SSD Bias Supply Board	100%	15 d	3/17/04	4/6/04	0 d	444	428
448	Final Test FM 2 SSD Bias Supply Board	100%	15 d	3/17/04	4/6/04	0 d	445	429
449	Conformal Coat, Mass Properties and Bake Out (SEP Central, LET, SEP LVPS	0%	15 d	7/14/04	8/3/04	-14 d		
450	Stake/Conformal Coat All SEP Central and LET Boards	0%	8 d	7/14/04	7/23/04	-14 d	839	451
451	Mass Properties/Photo All SEP Central and LET Boards	0%	4 d	7/26/04	7/29/04	-14 d	450	452
452	Bake Out All SEP Central/LET Boards and SEP LVPS FM 1	0%	3 d	7/30/04	8/3/04	-14 d	451,68	795
453	Flight Software	71%	265 d	8/1/03	8/19/04	-20 d		
454	SEP Central Build 3	82%	230 d	8/1/03	6/30/04	-20 d		455,430
455	Final Flight S/W Build	0%	35 d	7/1/04	8/19/04	-20 d	454	431
456	HET - Tycho (GSFC)	80%	148 d	1/6/04	8/4/04	0 d		
457	Deliveries	0%	25 d	6/30/04	8/4/04	-9 d		
458	Deliver HET FM 1w/o replacement detectors (to CIT for SEP Suite I&T)	0%	2 d	6/30/04	7/1/04	-9 d	402,503	791
459	Deliver HET FM 1 w/ replacement detectors & FM 2 after coating (to CIT for S	0%	2 d	8/3/04	8/4/04	-15 d	485,489,415	794,808
460	Deliver HET FM 2 w/ replacement detectors (to CIT for SEP Suite I&T)	0%	2 d	7/19/04	7/20/04	11 d	402,511	804
461	Deliver Final HET Flight Software to SEP I&T	0%	2 d	7/8/04	7/9/04	-14 d	499	791
462	Detectors (Batch 1)	100%	40 d	1/6/04	3/3/04	0 d		
463	Receive & Inspect HET Flight Detectors	100%	40 d	1/6/04	3/3/04	0 d		465SS
464	Detector Testing	100%	40 d	1/6/04	3/3/04	0 d		
465	Capacitance, Current, Depletion, Alpha Resolution Testing	100%	40 d	1/6/04	3/3/04	0 d	463SS	466SS
466	Life Test HET Detectors	100%	40 d	1/6/04	3/3/04	0 d	465SS	502,508
467	Replacement HET Detectors (Batch 2)	23%	66 d	3/12/04	6/14/04	9 d		
468	Receive H1 Detector Mounts	100%	0 d	3/12/04	3/12/04	0 d		470
469	Receive H3 Detector Mounts	100%	0 d	3/26/04	3/26/04	0 d		470
470	Detector Mounting at Micron	60%	20 d	4/15/04	5/12/04	9 d	468,469	471
471	Detector Delivery to GSFC	0%	12 d	5/13/04	5/28/04	9 d	470	472FS-10 d
472	Detector Testing at GSFC	0%	20 d	5/17/04	6/14/04	9 d	471FS-10 d	505,510
473	Electronics Board	78%	133 d	1/22/04	7/29/04	-13 d		
474	Assembly	100%	38 d	1/22/04	3/16/04	0 d		
475	Install Socket on HET Electronics FM 1 Board for ETU ACTEL	100%	1 d	1/22/04	1/22/04	0 d		476
476	Complete Population of HET Electronics FM 1 Board (ETU ACTEL)	100%	1 d	1/23/04	1/23/04	0 d	475	480,477
477	Complete Population of HET Electronics FM 2 Board (Flight ACTEL)	100%	2 d	3/15/04	3/16/04	0 d	476,483,520	487
478	Test	77%	131 d	1/26/04	7/29/04	-13 d		
479	FM 1	81%	131 d	1/26/04	7/29/04	-13 d		
480	Test HET FM 1 Electronics Board w/ETU ACTEL	100%	23 d	1/26/04	2/26/04	0 d	476	487,481

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
481	Remove ETU ACTEL and socket from HET FM 1 Electronics Board	100%	0.5 d	2/27/04	2/27/04	0 d	480	482
482	Install Flight ACTEL on HET FM 1 Electronics Board	100%	0.5 d	2/27/04	2/27/04	0 d	481	483
483	Retest HET FM 1 Electronics Board w/Flight ACTEL	100%	10 d	3/1/04	3/12/04	0 d	482	484FS+61 d,477
484	Clean, Bake, Conformal Coat HET FM 1 Electronics Board	0%	3 d	7/20/04	7/22/04	-13 d	483FS+61 d,506	485
485	Retest Conformal Coated HET FM 1 Electronics Board	0%	5 d	7/23/04	7/29/04	-13 d	484	459
486	FM 2	71%	95 d	3/17/04	7/29/04	-13 d		
487	Test HET FM 2 Electronics Board	100%	25 d	3/17/04	4/20/04	0 d	477,480	508
488	Clean, Bake, Conformal Coat HET FM 2 Electronics Board	0%	5 d	7/16/04	7/22/04	-13 d	840	489
489	Retest Conformal Coated HET FM 2 Electronics Board	0%	5 d	7/23/04	7/29/04	-13 d	488	459
490	Flight Software	92%	117 d	1/22/04	7/7/04	-12 d		
491	Design	100%	71 d	1/22/04	4/30/04	0 d		
492	Complete Definition of HET PH Event Processing	100%	22 d	1/22/04	2/23/04	0 d		495
493	Design Change of HET PH Event Processing	100%	20 d	4/5/04	4/30/04	0 d		499
494	Coding	100%	64 d	2/24/04	5/21/04	0 d		
495	Code HET PH Event Processing Update for Flight	100%	59 d	2/24/04	5/14/04	0 d	492	496FS-15 d
496	Code HET Telemetry Formatting Update for Flight	100%	34 d	3/12/04	5/21/04	0 d	495FS-15 d	506
497	Test	77%	75 d	3/23/04	7/7/04	-12 d		
498	Test Integrated HET S/W with Simulated Data	92%	63 d	3/23/04	6/18/04	-14 d		499
499	Verify HET On-Board Software	0%	12 d	6/21/04	7/7/04	-14 d	493,498	502FS-10 d,508,461
500	Integration & Test	0%	18 d	6/23/04	7/19/04	-9 d		
501	FM 1	0%	18 d	6/23/04	7/19/04	-13 d		
502	Integrate HET FM 1 Electronics Telescope (Ahead)	0%	3 d	6/23/04	6/25/04	-9 d	466,499FS-10 d,392	503
503	Test HET FM 1 Telescope (Ahead)	0%	2 d	6/28/04	6/29/04	-9 d	502	458
504	Receive HET FM1 from CIT	0%	0 d	7/15/04	7/15/04	-13 d	838	505
505	Install new HET Flight Detectors in FM 1	0%	1 d	7/16/04	7/16/04	-13 d	472,504	506
506	Performance Test FM 1 with New Flight Detectors	0%	1 d	7/19/04	7/19/04	-13 d	505,496	484
507	FM 2	0%	7 d	7/8/04	7/16/04	11 d		
508	Integrate HET FM 2 Electronics Telescope (Behind)	0%	3 d	7/8/04	7/12/04	11 d	466,499,392,487	509
509	Test HET FM 2 Telescope (Behind)	0%	2 d	7/13/04	7/14/04	11 d	508	510
510	Install new HET Flight Detectors in FM 2	0%	1 d	7/15/04	7/15/04	11 d	472,509	511
511	Performance Test FM 2 with New Flight Detectors	0%	1 d	7/16/04	7/16/04	11 d	510	460
512	LET - CIT	94%	248 d	7/14/03	7/7/04	-6 d		
513	Deliveries	0%	7 d	6/25/04	7/7/04	-15 d		
514	Deliver LET FM 1 (stays at CIT for SEP I&T)	0%	0 d	7/7/04	7/7/04	-15 d	532	793
515	Deliver LET FM 2 (stays at CIT for SEP I&T)	0%	0 d	7/7/04	7/7/04	-15 d	534	806
516	Deliver LET Flight Software Build 3	0%	0 d	6/25/04	6/25/04	-8 d	529	806
517	Detectors	100%	167 d	7/14/03	3/12/04	0 d		
518	Complete LET Flight Detector Testing	100%	167 d	7/14/03	3/12/04	0 d		532,534
519	Hybrids	100%	144 d	8/1/03	3/1/04	0 d		
520	Complete Test of Flight Hybrids (LET and to GSFC for HET FM 2)	100%	144 d	8/1/03	3/1/04	0 d		523,524,477

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
521	Detector/Misc Board	87%	84 d	3/2/04	6/28/04	0 d		
522	Assembly	100%	10 d	3/2/04	3/15/04	0 d		
523	Assemble LET FM 1 Detector Board	100%	10 d	3/2/04	3/15/04	0 d	520	526
524	Assemble LET FM 2 Detector Board	100%	10 d	3/2/04	3/15/04	0 d	520	527
525	Test	85%	74 d	3/16/04	6/28/04	0 d		
526	Test LET FM 1 Detector Board	85%	74 d	3/16/04	6/28/04	-13 d	523	532
527	Test LET FM 2 Detector Board	85%	74 d	3/16/04	6/28/04	-13 d	524	534
528	Flight Software	96%	227 d	8/1/03	6/25/04	0 d		
529	Let Flight Software Build 3	96%	227 d	8/1/03	6/25/04	-8 d		516
530	Integration & Test	0%	4 d	7/1/04	7/7/04	-15 d		
531	FM 1	0%	4 d	7/1/04	7/7/04	-15 d		
532	Integrate LET FM 1 Housing With Detectors	0%	4 d	7/1/04	7/7/04	-15 d	518,382,526	514
533	FM 2	0%	4 d	7/1/04	7/7/04	-15 d		
534	Integrate LET FM 2 Housing With Detectors	0%	4 d	7/1/04	7/7/04	-15 d	518,382,527	515
535	SEPT - Kiel/ESTEC	70%	328 d	8/8/03	11/29/04	-21 d		
536	Deliveries	0%	67 d	8/23/04	11/29/04	-31 d		
537	Deliver SEPT-NS FM 1 to CIT for SEP I&T and Suite EMC	0%	5 d	8/23/04	8/27/04	-31 d	585	800
538	Deliver SEPT-E FM 1 to CIT for SEP I&T and Suite EMC	0%	5 d	8/23/04	8/27/04	-31 d	601	800
539	Final Delivery of SEPT FM 1 to APL	0%	2 d	11/26/04	11/29/04	-35 d	571,589,605	7
540	Deliver SEPT-NS FM 2 to CIT for SEP I&T and Suite EMC	0%	5 d	8/23/04	8/27/04	-11 d	618	809
541	Deliver SEPT-E FM 2 to CIT for SEP I&T and Suite EMC	0%	5 d	8/23/04	8/27/04	-11 d	635	809
542	Final Delivery of SEPT FM 2 to APL	0%	2 d	11/26/04	11/29/04	-21 d	623,640	8
543	Mechanical Assembly	100%	46 d	12/22/03	2/27/04	0 d		
544	FM 1	100%	13 d	12/22/03	1/9/04	0 d		
545	Assemble SEPT-NS FM 1 Sensor and E-Box Housing	100%	13 d	12/22/03	1/9/04	0 d		548SS+4 d,575
546	Assemble SEPT-E FM 1 Sensor and E-Box Housing	100%	13 d	12/22/03	1/9/04	0 d		549SS+4 d,591
547	FM 2	100%	14 d	12/29/03	1/16/04	0 d		
548	Assemble SEPT-NS FM 2 Sensor and E-Box Housing	100%	14 d	12/29/03	1/16/04	0 d	545SS+4 d	551,608
549	Assemble SEPT-E FM 2 Sensor and E-Box Housing	100%	14 d	12/29/03	1/16/04	0 d	546SS+4 d	551
550	Spare	100%	28 d	1/20/04	2/27/04	0 d		
551	Assemble SEPT Spare Sensor and E-Box Housing	100%	28 d	1/20/04	2/27/04	0 d	548,549	
552	Electronics	98%	221 d	8/8/03	6/24/04	70 d		
553	Assembly	100%	172 d	8/8/03	4/15/04	0 d		
554	FM 2	100%	106 d	8/8/03	1/12/04	0 d		
555	Assemble SEPT-NS FM 2 Electronics	100%	106 d	8/8/03	1/12/04	0 d		558SS,561
556	Assemble SEPT-E FM 2 Electronics	100%	92 d	8/8/03	12/19/03	0 d		562FS-7 d
557	Spare	100%	172 d	8/8/03	4/15/04	0 d		
558	Assemble SEPT FS Electronics	100%	172 d	8/8/03	4/15/04	0 d	555SS	569
559	Test	92%	136 d	12/11/03	6/24/04	70 d		
560	FM 2	99%	128 d	12/11/03	6/14/04	74 d		

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
561	SEPT-NS FM 2 Electronics Test	100%	4 d	1/13/04	1/16/04	0 d	555	563
562	SEPT-E FM 2 Electronics Test	100%	4 d	12/11/03	12/16/03	0 d	556FS-7 d	564
563	Coat SEPT-NS FM 2 Electronics Board	100%	4 d	1/20/04	1/23/04	0 d	561	565
564	Coat SEPT-E FM 2 Electronics Board	100%	5 d	12/17/03	12/23/03	0 d	562	566
565	SEPT-NS FM 2 Mechanical Integration	100%	5 d	1/26/04	1/30/04	0 d	563	
566	SEPT-E FM 2 Mechanical Integration	100%	13 d	12/24/03	1/13/04	0 d	564	
567	Repair SEPT-NS FM 2 Electronic Board for use as Spare	98%	49 d	4/6/04	6/14/04	74 d	613SS	571
568	Spare	76%	43 d	4/26/04	6/24/04	70 d		
569	SEPT Flight Spare Electronics Test	100%	5 d	4/26/04	4/30/04	0 d	558	570
570	Coat SEPT FS Electronics Board	83%	29 d	5/10/04	6/18/04	3 d	569	571,617
571	SEPT FS Mechanical Integration	0%	4 d	6/21/04	6/24/04	70 d	570,567	539
572	Integration & Test	46%	221 d	1/12/04	11/24/04	-21 d		
573	FM 1	46%	221 d	1/12/04	11/24/04	-35 d		
574	SEPT-NS	46%	212 d	1/26/04	11/24/04	-35 d		
575	SEPT-NS FM 1 Integration & Test	100%	5 d	1/26/04	1/30/04	0 d	545	576
576	Muon and Radioactive Source Test	100%	5 d	2/2/04	2/6/04	0 d	575	577
577	SEPT-NS FM 1 Vibration	100%	4 d	2/19/04	2/24/04	0 d	576	578FS+2 d,38SS,610SS,593SS
578	SEPT-NS FM 1 Thermal Vac	100%	11 d	2/27/04	3/12/04	0 d	577FS+2 d	579FS-6 d,39SS,594SS
579	SEPT-NS FM 1 Bake Out	100%	2 d	3/5/04	3/8/04	0 d	578FS-6 d	40SS,580FS+20 d
580	SEPT-NS FM 1 Repair	48%	82 d	4/6/04	7/30/04	-31 d	579FS+20 d	584
581	SEPT-NS FM 1 Initial Repair	87%	45 d	4/6/04	6/8/04	-31 d		582
582	SEPT-NS FM 1 Titanium Parts Repair (GSFC)	0%	17 d	6/9/04	7/1/04	-31 d	581	583
583	SEPT-NS FM 1 Final Repair	0%	20 d	7/2/04	7/30/04	-31 d	582	
584	SEPT-NS FM 1 Post Repair Integration & Test	0%	5 d	8/2/04	8/6/04	-31 d	580	617,585
585	Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	584,618SS	537
586	SEPT-NS FM 1 Install Thermal H/W (GSFC)	0%	4 d	9/21/04	9/24/04	-15 d	19	587
587	SEPT-NS FM 1 Thermal Balance (at GSFC after Suite EMC)	0%	10 d	10/26/04	11/8/04	-35 d	586,621SS	41SS,588
588	SEPT-NS FM 1 Post Repair Vibration (ESTEC)	0%	5 d	11/9/04	11/16/04	-35 d	587	589
589	SEPT-NSFM 1 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/17/04	11/24/04	-36 d	588	539
590	SEPT-E	46%	201 d	1/12/04	10/26/04	-15 d		
591	SEPT-E FM 1 Integration & Test	100%	5 d	1/12/04	1/16/04	0 d	546	592,625SS
592	Muon and Radioactive Source Test	100%	5 d	1/29/04	2/4/04	0 d	591	593,626SS
593	SEPT-E FM 1 Vibration	100%	4 d	2/19/04	2/24/04	0 d	592,577SS	594
594	SEPT-E FM 1 Thermal Vac	100%	11 d	2/27/04	3/12/04	0 d	593,578SS	595FS-6 d,39SS
595	SEPT-E FM 1 Bake Out	100%	2 d	3/5/04	3/8/04	0 d	594FS-6 d	40SS,596FS+20 d
596	SEPT-E FM 1 Repair	48%	82 d	4/6/04	7/30/04	-31 d	595FS+20 d	600
597	SEPT-E FM 1 Initial Repair	87%	45 d	4/6/04	6/8/04	-31 d		598
598	SEPT-E FM 1 Titanium Parts Repair (at GSFC then shipped ba	0%	17 d	6/9/04	7/1/04	-31 d	597	599
599	SEPT-E FM 1 Final Repair	0%	20 d	7/2/04	7/30/04	-31 d	598	
600	SEPT-E FM 1 Post Repair Integration & Test	0%	5 d	8/2/04	8/6/04	-31 d	596	634,601

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
601	Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	600,635SS	538
602	SEPT-E FM 1 Install Thermal H/W (GSFC)	0%	4 d	9/21/04	9/24/04	-15 d	19	603
603	SEPT-E FM 1 Thermal Balance (at GSFC after Suite EMC)	0%	10 d	9/27/04	10/8/04	-15 d	602	41SS,604
604	SEPT-E FM1 Post Repair Vibration (ESTEC)	0%	5 d	10/12/04	10/18/04	-15 d	603	605
605	SEPT-E FM1 Post Repair Thermal Vac (ESTEC)	0%	6 d	10/19/04	10/26/04	-16 d	604	539
606	FM 2	45%	221 d	1/12/04	11/24/04	-21 d		
607	SEPT-NS	46%	216 d	1/20/04	11/24/04	-21 d		
608	SEPT-NS FM 2 Integration & Test	100%	8 d	1/20/04	1/29/04	0 d	548	609
609	Muon and Radioactive Source Test	100%	6 d	1/30/04	2/6/04	0 d	608	610
610	SEPT-NS FM 2 Vibration	100%	4 d	2/19/04	2/24/04	0 d	609,577SS	611,52SS
611	SEPT-NS FM 2 Thermal Vac	100%	9 d	3/5/04	3/17/04	0 d	610	612FS-4 d,53SS,628SS
612	SEPT-NS FM 2 Bake Out	100%	2 d	3/12/04	3/15/04	0 d	611FS-4 d	54SS,613FS+15 d
613	SEPT-NS FM 2 Repair	48%	82 d	4/6/04	7/30/04	-26 d	612FS+15 d	567SS,617
614	SEPT-NS FM 2 Initial Repair	87%	45 d	4/6/04	6/8/04	-26 d		615
615	SEPT-NS FM 2 Titanium Parts Repair (at GSFC then shipped t	0%	17 d	6/9/04	7/1/04	-26 d	614	616
616	SEPT-NS FM 2 Final Repair	0%	20 d	7/2/04	7/30/04	-26 d	615	
617	SEPT-NS FM 2 Post Repair Integration & Test	0%	5 d	8/9/04	8/13/04	-31 d	570,613,584	618
618	Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	617	540,585SS
619	Receive SEPT-NS FM 2 after Suite EMC	0%	2 d	10/18/04	10/19/04	-35 d	827	620
620	SEPT-NS FM 2 Install Thermal H/W (GSFC)	0%	4 d	10/20/04	10/25/04	-35 d	619	621
621	SEPT-NS FM 1 Thermal Balance (GSFC)	0%	10 d	10/26/04	11/8/04	-35 d	620	622,587SS
622	SEPT-NS FM 2 Post Repair Vibration (ESTEC)	0%	5 d	11/9/04	11/16/04	-21 d	621	623
623	SEPT-NS FM 2 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/17/04	11/24/04	-21 d	622	542
624	SEPT-E	44%	221 d	1/12/04	11/24/04	-21 d		
625	SEPT-E FM 2 Integration & Test	100%	5 d	1/12/04	1/16/04	0 d	591SS	626
626	Muon and Radioactive Source Test	100%	5 d	1/29/04	2/4/04	0 d	625,592SS	627
627	SEPT-E FM 2 Vibration	100%	4 d	2/19/04	2/24/04	0 d	626,577SS	628
628	SEPT-E FM 2 Thermal Vac	100%	9 d	3/5/04	3/17/04	0 d	627,611SS	629FS-4 d,53SS
629	SEPT-E FM 2 Bake Out	100%	2 d	3/12/04	3/15/04	0 d	628FS-4 d	54SS,630FS+15 d
630	SEPT-E FM 2 Repair	48%	82 d	4/6/04	7/30/04	-26 d	629FS+15 d	634
631	SEPT-E FM 2 Initial Repair	87%	45 d	4/6/04	6/8/04	-26 d		632
632	SEPT-E FM 2 Titanium Parts Repair (at GSFC then shipped ba	0%	17 d	6/9/04	7/1/04	-26 d	631	634,633
633	SEPT-E FM 2 Final Repair	0%	20 d	7/2/04	7/30/04	-26 d	632	
634	SEPT-E FM 2 Post Repair Integration & Test	0%	5 d	8/9/04	8/13/04	-31 d	632,630,600	635
635	Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	634	541,601SS
636	Receive SEPT-E FM 2 after Suite EMC	0%	2 d	10/18/04	10/19/04	-21 d	827	637
637	SEPT-E FM 2 Install Thermal H/W (GSFC)	0%	4 d	10/20/04	10/25/04	-21 d	636	638
638	SEPT-E FM 1 Thermal Balance (GSFC)	0%	10 d	10/26/04	11/8/04	-21 d	637	639
639	SEPT-E FM 2 Post Repair Vibration (ESTEC)	0%	5 d	11/9/04	11/16/04	-21 d	638	640
640	SEPT-E FM 2 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/17/04	11/24/04	-21 d	639	542

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
641	SIT - UMD	79%	385 d	6/2/03	12/10/04	-30 d		
642	Deliveries	0%	80 d	8/17/04	12/10/04	-30 d		
643	Deliver SIT FM 1 to CIT for SEP I&T and Suite EMC	0%	2 d	8/17/04	8/18/04	-19 d	403,728	777,798
644	Deliver SIT FM 1 back to GSFC for Environmental Testing (after EMC Test)	0%	2 d	9/21/04	9/22/04	-26 d	19,410	755,752
645	Final Delivery of SIT FM 1 to APL	0%	1 d	11/15/04	11/15/04	-26 d	762	7
646	Deliver SIT FM 2 to CIT for SEP I&T	0%	2 d	9/24/04	9/27/04	-29 d	733,403	777,813
647	Deliver SIT FM 2 back to GSFC for Environmental Testing	0%	2 d	10/18/04	10/19/04	-30 d	827	764,753
648	Final Delivery of SIT FM 2 to APL	0%	1 d	12/10/04	12/10/04	-30 d	771,777	8
649	ACTEL - for SIT Logic Board	100%	1 d	5/24/04	5/24/04	0 d		
650	Burn Final SIT ACTEL Chip w/latest algorithm (at GSFC)	100%	1 d	5/24/04	5/24/04	0 d		651
651	Evaluate (Test) SIT Final ACTEL Chip	100%	0 d	5/24/04	5/24/04	0 d	650	680,682
652	TOF Boards	79%	95 d	2/12/04	6/25/04	-4 d		
653	Receive Analog and Digital TOF Boards (FM 1)	100%	0 d	2/12/04	2/12/04	0 d		657,659
654	Receive Analog and Digital TOF Boards (FM 2)	100%	20 d	3/25/04	5/28/04	0 d	657FS+32 d	659FS+9 d
655	Test	64%	84 d	3/1/04	6/25/04	-4 d		
656	FM 1	100%	18 d	3/1/04	3/24/04	0 d		
657	FM 1 TOF Boards Functional Test	100%	18 d	3/1/04	3/24/04	0 d	653	736,654FS+32 d
658	FM 2	0%	10 d	6/14/04	6/25/04	-4 d		
659	FM 2 TOF Boards Functional Test	0%	10 d	6/14/04	6/25/04	-4 d	653,654FS+9 d	745
660	Energy Board	100%	143 d	11/10/03	6/4/04	0 d		
661	Assembly	100%	114 d	11/10/03	4/23/04	0 d		
662	FM 1	100%	92 d	11/10/03	3/24/04	0 d		
663	Assemble FM 1 Energy Board	100%	92 d	11/10/03	3/24/04	0 d		668,665FF+22 d
664	FM 2	100%	114 d	11/10/03	4/23/04	0 d		
665	Assemble FM 2 Energy Board	100%	82 d	11/10/03	4/23/04	0 d	663FF+22 d	672
666	Test	100%	51 d	3/25/04	6/4/04	0 d		
667	FM 1	100%	50 d	3/25/04	6/3/04	0 d		
668	Bench Test/Calibration	100%	47 d	3/25/04	5/28/04	0 d	663	669
669	Thermal	100%	3 d	6/1/04	6/3/04	0 d	668	670SS
670	Voltage Margin	100%	2 d	6/1/04	6/2/04	0 d	669SS	672FS-5 d,736
671	FM 2	100%	7 d	5/26/04	6/4/04	0 d		
672	FM 2 Energy Board Functional Test	100%	7 d	5/26/04	6/4/04	0 d	665,670FS-5 d	745
673	Logic Board	85%	168 d	11/10/03	7/12/04	-14 d		
674	Design	100%	3 d	11/17/03	11/19/03	0 d		
675	Layout new Logic Board Design	100%	3 d	11/17/03	11/19/03	0 d		677
676	Fabrication	100%	10 d	3/8/04	3/19/04	0 d		
677	FM 1 & FM 2 Logic Board Fabrication	100%	10 d	3/8/04	3/19/04	0 d	675,685	687
678	Assembly	62%	23 d	5/25/04	6/25/04	-14 d		
679	FM 1	100%	8 d	5/25/04	6/4/04	0 d		
680	Assemble FM 1 Logic Board with Flight ACTELs	100%	8 d	5/25/04	6/4/04	0 d	687,651	689

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
681	FM 2	0%	5 d	6/21/04	6/25/04	-14 d		
682	Assemble FM 2 Logic Board with Flight ACTELS	0%	5 d	6/21/04	6/25/04	-14 d	687,651,689	691
683	Test	86%	168 d	11/10/03	7/12/04	-14 d		
684	ETU	100%	79 d	11/10/03	3/5/04	0 d		
685	Test New ETU Logic Board	100%	79 d	11/10/03	3/5/04	0 d		677
686	FM1 & FM 2	100%	8 d	3/22/04	3/31/04	0 d		
687	Coupon Testing	100%	8 d	3/22/04	3/31/04	0 d	677	680,682
688	FM 1	50%	10 d	6/7/04	6/18/04	0 d		
689	Functional Test of FM 1 Logic Board w/Flight ACTELS	50%	10 d	6/7/04	6/18/04	-19 d	680	736,682
690	FM 2	0%	10 d	6/28/04	7/12/04	-14 d		
691	Functional Test of FM 2 Logic Board w/Flight ACTELS	0%	10 d	6/28/04	7/12/04	-14 d	682	745
692	Mother Board	91%	126 d	12/22/03	6/21/04	-13 d		
693	Design	100%	67 d	12/22/03	3/29/04	0 d		
694	FM 1 & FM 2	100%	67 d	12/22/03	3/29/04	0 d		
695	Finalize Mother Board Layout	100%	30 d	12/22/03	2/4/04	0 d		696
696	Redesign Mother Board Layout	100%	17 d	3/5/04	3/29/04	0 d	695,706	700
697	Fabrication	100%	52 d	2/5/04	4/19/04	0 d		
698	FM 1 & FM 2	100%	52 d	2/5/04	4/19/04	0 d		
699	Fabricate FM 1 & FM 2 Mother Boards	100%	15 d	2/5/04	2/26/04	0 d		702
700	Refabricate FM1 & FM2 Mother Boards	100%	15 d	3/30/04	4/19/04	0 d	706,696	707
701	Assembly	100%	10 d	5/10/04	5/21/04	0 d		
702	Assemble FM 1 Mother Board	100%	10 d	5/10/04	5/21/04	0 d	699,707FS+9 d	703SS,709FS+14 d
703	Assemble FM 2 Mother Board	100%	10 d	5/10/04	5/21/04	0 d	702SS	711
704	Test	50%	81 d	2/27/04	6/21/04	-13 d		
705	FM 1 & FM 2	100%	42 d	2/27/04	4/26/04	0 d		
706	Coupon Testing of Mother Boards	100%	5 d	2/27/04	3/4/04	0 d		700,696
707	Coupon Testing of 2nd Mother Boards	100%	5 d	4/20/04	4/26/04	0 d	700	702FS+9 d
708	FM 1	0%	5 d	6/14/04	6/18/04	-19 d		
709	Functional Test FM 1 Mother Board	0%	5 d	6/14/04	6/18/04	-19 d	702FS+14 d	711SS+1 d,736
710	FM 2	0%	5 d	6/15/04	6/21/04	-13 d		
711	Functional Test FM 2 Mother Board	0%	5 d	6/15/04	6/21/04	-13 d	703,709SS+1 d	717,745
712	HVPS	75%	135 d	1/12/04	7/22/04	-25 d		
713	Test	75%	135 d	1/12/04	7/22/04	-25 d		
714	FM 1	100%	30 d	1/12/04	2/24/04	0 d		
715	Functional Test SIT FM 1 HVPS	100%	30 d	1/12/04	2/24/04	0 d	71	735
716	FM 2	0%	10 d	7/9/04	7/22/04	-25 d		
717	Functional Test SIT FM 2 HVPS	0%	10 d	7/9/04	7/22/04	-25 d	77,711	744
718	Flight Software	100%	235 d	6/2/03	5/6/04	0 d		
719	Test	100%	235 d	6/2/03	5/6/04	0 d		
720	FM 1 & FM 2	100%	235 d	6/2/03	5/6/04	0 d		

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
721	Validate SIT On-Board Code	100%	235 d	6/2/03	5/6/04	0 d		742
722	Integration & Test (using ETU Telescope for FM 1)	4%	149 d	2/25/04	9/23/04	-29 d		
723	FM 1 (Flight Telescope)	0%	12 d	7/30/04	8/16/04	-19 d		
724	Disassemble SIT FM 1	0%	1 d	7/30/04	7/30/04	-19 d	742	725
725	Conformal Coat SIT FM 1 Boards (includes FM 1 LVPS)	0%	2 d	8/2/04	8/3/04	-19 d	724	726
726	Reassemble SIT FM 1 with Flight Telescope	0%	1 d	8/4/04	8/4/04	-19 d	725,397,363	727
727	Bench Calibration SIT FM 1 w/Flight Telescope	0%	3 d	8/5/04	8/9/04	-19 d	726	728
728	Vacuum Test SIT FM 1 w/Flight Telescope	0%	5 d	8/10/04	8/16/04	-19 d	727	643
729	FM 2	0%	9 d	9/13/04	9/23/04	-29 d		
730	Disassemble SIT FM 2	0%	1 d	9/13/04	9/13/04	-29 d	751	731
731	Conformal Coat SIT FM 2 Boards	0%	2 d	9/14/04	9/15/04	-29 d	730	732
732	Reassemble SIT FM 2	0%	1 d	9/16/04	9/16/04	-29 d	731	733
733	Post-Coat Retest SIT FM 2	0%	5 d	9/17/04	9/23/04	-29 d	732	646
734	FM 1 (ETU Telescope)	10%	110 d	2/25/04	7/29/04	-19 d		
735	Integrate SIT FM 1 HVPS and SIT ETU Telescope Without Electronics	100%	3 d	2/25/04	2/27/04	0 d	715	736
736	Integrate Electronics to SIT ETU Telescope	0%	2 d	6/21/04	6/22/04	-19 d	689,657,709,670,735	737
737	SIT FM 1 Debug	0%	5 d	6/23/04	6/29/04	-19 d	736	738
738	SIT FM 1 Bench Test	0%	5 d	6/30/04	7/7/04	-19 d	737	739
739	SIT FM 1 Alpha TEST	0%	5 d	7/8/04	7/14/04	-19 d	738	740
740	SIT FM 1 Noise Removal	0%	5 d	7/15/04	7/21/04	-19 d	739	741,749
741	SIT FM 1 Thermal Test	0%	5 d	7/22/04	7/28/04	-19 d	740	742
742	SIT FM 1 Functional Test	0%	1 d	7/29/04	7/29/04	-19 d	741,721	724
743	FM 2	0%	31 d	7/29/04	9/10/04	-29 d		
744	Integrate SIT FM 2 HVPS and SIT FM 2 Telescope Without Electronics	0%	3 d	7/29/04	8/2/04	-29 d	717,397,363	745
745	Integrate Electronics to SIT FM 2 Telescope	0%	2 d	8/3/04	8/4/04	-29 d	691,659,711,672,744	746
746	SIT FM 2 Debug	0%	5 d	8/5/04	8/11/04	-29 d	745	747
747	SIT FM 2 Bench Test	0%	5 d	8/12/04	8/18/04	-29 d	746	748
748	SIT FM 2 Alpha Test	0%	5 d	8/19/04	8/25/04	-29 d	747	749
749	SIT FM 2 Noise Removal	0%	5 d	8/26/04	9/1/04	-29 d	748,740	750
750	SIT FM 2 Thermal Test	0%	5 d	9/2/04	9/9/04	-29 d	749	751
751	SIT FM 2 Functional Test	0%	1 d	9/10/04	9/10/04	-29 d	750	730
752	Integrate SIT Door FM 1	0%	1 d	9/23/04	9/23/04	-26 d	644,410	753,755
753	Integrate SIT Door FM 2	0%	1 d	10/20/04	10/20/04	-30 d	647,752	764
754	Environmental Testing at GSFC (FM 1)	0%	34 d	9/24/04	11/12/04	-26 d		
755	SIT FM 1 Vibration and Acoustics	0%	10 d	9/24/04	10/7/04	-26 d	644,752	756,43SS
756	Functional Test	0%	1 d	10/8/04	10/8/04	-26 d	755	757
757	SIT FM 1 Thermal Balance	0%	5 d	10/12/04	10/18/04	-26 d	756	758,45SS
758	SIT FM 1 Thermal Vac	0%	10 d	10/19/04	11/1/04	-26 d	757	759,47SS
759	Disassemble SIT Instruments	0%	2 d	11/2/04	11/3/04	-26 d	758	760
760	Bake Out	0%	3 d	11/4/04	11/8/04	-26 d	759	761,49SS

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
761	Reassemble Instruments	0%	2 d	11/9/04	11/10/04	-26 d	760	762
762	Functional Test	0%	1 d	11/12/04	11/12/04	-26 d	761	645
763	Environmental Testing at GSFC (FM 2)	0%	34 d	10/21/04	12/9/04	-30 d		
764	SIT FM 2 Vibration and Acoustics	0%	10 d	10/21/04	11/3/04	-30 d	647,753	765,59SS
765	Functional Test	0%	1 d	11/4/04	11/4/04	-30 d	764	766
766	SIT FM 2 Thermal Balance	0%	5 d	11/5/04	11/12/04	-30 d	765	767,60SS
767	SIT FM 2 Thermal Vac	0%	10 d	11/15/04	11/29/04	-30 d	766	768,62SS
768	Disassemble SIT Instruments	0%	2 d	11/30/04	12/1/04	-30 d	767	769
769	Bake Out	0%	3 d	12/2/04	12/6/04	-30 d	768	770,63SS
770	Reassemble Instruments	0%	2 d	12/7/04	12/8/04	-30 d	769	771
771	Functional Test	0%	1 d	12/9/04	12/9/04	-30 d	770	648
772	Emulators/Simulators/GSE	84%	237 d	12/17/03	11/24/04	-20 d		
773	Simulators	100%	104 d	12/17/03	5/14/04	0 d		
774	Labview CPU Ready	100%	104 d	12/17/03	5/14/04	0 d		775SS
775	Test Simulator	100%	104 d	12/17/03	5/14/04	0 d	774SS	777
776	GSE	0%	40 d	9/28/04	11/24/04	-20 d		
777	Pulse Generator	0%	40 d	9/28/04	11/24/04	-20 d	643,646,775	648
778	SEP Suite I&T - CIT	56%	339 d	8/1/03	12/7/04	-26 d		
779	ETU	100%	5 d	1/26/04	1/30/04	0 d		
780	Complete Integration/Test of SEP Central EM with Sensors	100%	5 d	1/26/04	1/30/04	0 d		
781	FM 1 & FM 2	0%	44 d	6/22/04	8/23/04	-21 d		
782	Generate HET integration & test procedure	0%	5 d	6/28/04	7/2/04	-14 d	791FS-10 d	792,805
783	Generate LET integration & test procedure	0%	5 d	6/22/04	6/28/04	-9 d	792FS-10 d	793,806
784	Generate SEPT integration & test procedure	0%	5 d	8/17/04	8/23/04	-26 d	800FS-10 d	810,801
785	Generate SEP-IDPU integration procedure	0%	5 d	7/23/04	7/29/04	-14 d	794FS-10 d	786,796,811
786	Generate SEP-IDPU test procedure	0%	5 d	7/30/04	8/5/04	-14 d	785	797,812
787	Generate SIT integration & test procedure	0%	5 d	8/6/04	8/12/04	-14 d	798FS-10 d	814,799
788	Generate SEP system test procedure	0%	5 d	8/9/04	8/13/04	-19 d	799FS-10 d	802,815
789	FM 1	0%	46 d	7/1/04	9/3/04	-29 d		
790	Integrate/test SEP Central FM 1	0%	5 d	7/1/04	7/8/04	-13 d	428,430,373	792FS-4 d
791	Receive & inspect HET FM 1	0%	1 d	7/12/04	7/12/04	-14 d	458,461	782FS-10 d
792	Integrate & test HET FM 1	0%	1 d	7/6/04	7/6/04	-14 d	782,790FS-4 d	793,783FS-10 d
793	Integrate & test LET FM 1	0%	1 d	7/8/04	7/8/04	-15 d	792,783,514	834
794	Re-integrate & test HET FM 1 w/ Flight detectors	0%	1 d	8/5/04	8/5/04	-15 d	459,834	800,785FS-10 d
795	Re-integrate & Test LET/SEP Central FM 1	0%	1 d	8/5/04	8/5/04	-15 d	452,420	796
796	Integrate SEP FM 1 - IDPU FM 1	0%	1 d	8/30/04	8/30/04	-31 d	785,349,795	797
797	Test SEP FM 1 - IDPU FM 1	0%	1 d	8/31/04	8/31/04	-31 d	796,786	802
798	Receive & inspect SIT FM 1	0%	1 d	8/19/04	8/19/04	-19 d	643	799,787FS-10 d
799	Integrate & test SIT FM 1	0%	1 d	8/20/04	8/20/04	-19 d	798,787	788FS-10 d
800	Receive & inspect SEPT FM 1	0%	1 d	8/30/04	8/30/04	-31 d	537,538,794	801,784FS-10 d

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
801	Integrate & test SEPT FM 1	0%	1 d	8/31/04	8/31/04	-31 d	800,784	802
802	SEP system test FM 1	0%	3 d	9/1/04	9/3/04	-31 d	425,788,801,797	19
803	FM 2	0%	68 d	7/8/04	10/13/04	-35 d		
804	Receive & inspect HET FM 2	0%	1 d	7/21/04	7/21/04	11 d	460	805
805	Integrate & test HET FM 2	0%	1 d	7/22/04	7/22/04	11 d	804,782	807
806	Integrate & test LET FM 2	0%	1 d	7/8/04	7/8/04	-15 d	515,516,783	807,835
807	Integrate/testSEP Central FM 2	0%	5 d	7/27/04	8/2/04	9 d	429,430,373,806,805	810
808	Re-integrate HET FM 2 after Conformal Coating	0%	1 d	8/5/04	8/5/04	5 d	459	809
809	Receive & inspect SEPT FM 2	0%	1 d	8/30/04	8/30/04	-11 d	540,541,808	810
810	Integrate & test SEPT FM 2	0%	1 d	8/31/04	8/31/04	-11 d	809,807,784	813
811	Integrate SEP FM 2 - IDPU FM 2	0%	1 d	10/6/04	10/6/04	-35 d	161,785	812
812	Test SEP FM 2 - IDPU FM 2	0%	1 d	10/7/04	10/7/04	-35 d	811,786	815,178FS+2 d
813	Receive & inspect SIT FM 2	0%	1 d	9/28/04	9/28/04	-29 d	646,810	814
814	Integrate & test SIT FM 2	0%	1 d	9/29/04	9/29/04	-29 d	813,787	815
815	SEP FM 2 system test	0%	3 d	10/8/04	10/13/04	-35 d	814,788,812	827
816	Environmental Test (at JPL)	0%	141 d	5/17/04	12/7/04	-26 d		
817	Generate Environmental Test Procedures	0%	15 d	5/17/04	6/7/04	45 d		820
818	Manufacture test cables (JPL)	0%	20 d	6/1/04	6/28/04	30 d		820
819	FM 1	0%	41 d	9/23/04	11/22/04	-30 d		
820	FM 1 LET/HET/SEP Central Vibration/Acoustics Test	0%	10 d	9/24/04	10/7/04	-31 d	19FS+3 d,817,818,834F	821,44SS
821	FM 1 LET/HET/SEP Central Thermal Balance Test	0%	5 d	10/8/04	10/15/04	-31 d	820	822,46SS
822	FM 1 LET/HET/SEP Central T/V Test	0%	15 d	10/18/04	11/5/04	-31 d	821,827	823,825,48SS
823	Evaluate SEP performance	0%	10 d	11/8/04	11/22/04	-31 d	822	824SS
824	Generate test reports	0%	11 d	9/23/04	10/7/04	-31 d	823SS	
825	Bakeout Clean SEP exterior & prepare for delivery	0%	3 d	11/8/04	11/10/04	-24 d	822	50SS,7
826	FM 2	0%	37 d	10/14/04	12/7/04	-35 d		
827	FM 2 EMI/EMC Test at CalTech	0%	2 d	10/14/04	10/15/04	-35 d	815	647,822,829,57SS,828,619,63
828	FM 2 LET/HET/SEP Central Vibration/Acoustics Test	0%	10 d	10/18/04	10/29/04	-27 d	827	56SS,829
829	FM 2 LET/HET/SEP Central T/V Test	0%	15 d	11/1/04	11/22/04	-27 d	827,828	830,832,58SS
830	Evaluate SEP performance	0%	10 d	11/23/04	12/7/04	-27 d	829	831SS
831	Generate test reports	0%	11 d	10/14/04	10/28/04	-27 d	830SS	
832	Bakeout Clean SEP exterior & prepare for delivery	0%	3 d	11/23/04	11/26/04	-20 d	829	8,61SS
833	Accelerator Test (at MSU)	0%	4 d	7/10/04	7/15/04	-16 d		
834	FM 1 LET-HET/SEP Cen end-to-end test at Accelerator	0%	3 d	7/10/04	7/12/04	-17 d	845,404,793	42SS,820FS+3 d,794,837
835	FM 2 LET/SEP Cen end-to-end test at Accelerator	0%	3 d	7/10/04	7/12/04	-17 d	845,806	840,836,55SS
836	Continue I&T for HET, LET and SEP Cen	0%	3 d	7/13/04	7/15/04	-14 d	835	
837	Detach HET LET and SEP Cen from SEP Suite	0%	1 d	7/13/04	7/13/04	-14 d	834	838,840,839
838	Deliver HET FM 1 (Rplcmnt Detectors and Conformal Coating @ GSFC)	0%	2 d	7/14/04	7/15/04	-13 d	837	504
839	Deliver LET and SEP Central (Conformal Coating @ CIT)	0%	0 d	7/13/04	7/13/04	-14 d	837	450
840	Deliver HET FM 2 (Conformal Coating @ GSFC)	0%	2 d	7/14/04	7/15/04	-13 d	837,835	488

ID	Task Name	% Complete	Duration	Start	Finish	TS	Pred	Succ
841	GSE	77%	305 d	8/1/03	10/18/04	8 d		
842	End-to-End Test Equipment	97%	218 d	8/11/03	6/22/04	-4 d		
843	Design	100%	192 d	8/11/03	5/14/04	0 d		844
844	Assemble	90%	21 d	5/17/04	6/15/04	-4 d	843	845
845	Test	0%	5 d	6/16/04	6/22/04	-4 d	844	834,835
846	GSE software	65%	305 d	8/1/03	10/18/04	8 d		
847	Build GSE software release 2	94%	232 d	8/1/03	7/2/04	0 d		848FS-10 d
848	Write user's guide	0%	10 d	6/21/04	7/2/04	38 d	847FS-10 d	849FS-45 d
849	Build GSE software release 3	25%	117 d	5/3/04	10/18/04	8 d	848FS-45 d	850FS-20 d
850	Write user's guide supplement	0%	20 d	9/20/04	10/18/04	8 d	849FS-20 d	
851	SWEA and SIT Refurbishment (after S/C Environmental Testing)	0%	40 d	9/27/05	11/21/05	0 d		
852	Ship SWEA FM 1 to UCB	0%	3 d	9/27/05	9/29/05	25 d		856
853	Ship (Hand Carry) SIT FM 1 to UMD	0%	1 d	9/27/05	9/27/05	27 d		857
854	Ship SWEA FM 2 to UCB	0%	3 d	10/4/05	10/6/05	20 d		858
855	Ship (Hand Carry) SIT FM 2 to UMD	0%	1 d	10/4/05	10/4/05	22 d		859
856	Vacuum Testing of SWEA FM 1 @ UCB	0%	5 d	9/30/05	10/6/05	25 d	852	860
857	Vacuum Testing of SIT FM 1 @ UMD	0%	5 d	9/28/05	10/4/05	27 d	853	861
858	Vacuum Testing of SWEA FM 2 @ UCB	0%	5 d	10/7/05	10/13/05	20 d	854	860
859	Vacuum Testing of SIT FM 2 @ UMD	0%	5 d	10/5/05	10/11/05	22 d	855	861
860	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	856,858	862
861	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	857,859	862
862	Reintegration of SWEA and SIT to S/C (at Launch Site)	0%	3 d	10/19/05	10/21/05	20 d	860,861	863
863	Target Date for Reintegration to S/C	0%	1 d	11/19/05	11/21/05	0 d	862	