

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
1	IMPACT - Dave Curtis (UCB) & Lil Reichenthal (GSFC)	81%	698 d	2/26/03	11/21/05	0 d		
2	Suite Deliveries to APL	0%	50 d	10/7/04	12/20/04	-36 d		
3	FM 1 Target Delivery Date	0%	0 d	10/7/04	10/7/04	-37 d	5,7	
4	FM 2 Target Delivery Date	0%	0 d	10/28/04	10/28/04	-35 d	8,6	
5	Boom Suite FM 1 Ready for Delivery to APL	0%	0 d	11/9/04	11/9/04	-23 d	399	3
6	Boom Suite FM 2 Ready for Delivery to APL	0%	0 d	11/30/04	11/30/04	-22 d	405	4
7	SEP Suite FM 1 Ready for Delivery to APL	0%	0 d	12/1/04	12/1/04	-37 d	874,698,595	3
8	SEP Suite FM 2 Ready for Delivery to APL	0%	0 d	12/20/04	12/20/04	-36 d	884	4
9	Environmental Testing - PER, Impact Suite EMC, Snapshots of Boom & SEP Suite Tes	23%	238 d	1/14/04	12/22/04	238 d		
10	Reviews (PER and TRR's) - TRR Dates are Tentative	50%	184 d	1/14/04	10/4/04	292 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	9/29/04	9/29/04	295 d	23SS-5 d	
16	TRR 5 - Prior to FM 1 SWEA Vibration	0%	1 d	9/29/04	9/29/04	295 d	26SS-5 d	
17	TRR 6 - Prior to FM 1 Impact Suite EMC (for Boom and SEP)	0%	1 d	9/15/04	9/15/04	305 d	19SS-5 d	
18	TRR 7 - Prior to FM 1 SIT Vibration	0%	1 d	10/4/04	10/4/04	292 d	43SS-5 d	
19	IMPACT Suite FM 1 EMC Testing at UCB	0%	10 d	9/22/04	10/5/04	-42 d	854,485,479	869FS+3 d,697,17SS
20	Boom Suite FM 1 Environmental Test Flow Snapshot - UCB	48%	133 d	4/26/04	11/2/04	272 d		
21	STE-U Thermal Vac/Thermal Balance/Bake Out	100%	37 d	4/26/04	6/16/04	0 d	318SS	13SS-6 d
22	Boom Structure Vibration	100%	4 d	6/23/04	6/28/04	0 d	260SS	14SS-19 d
23	IDPU Vibration	0%	5 d	10/6/04	10/13/04	286 d	223SS	15SS-5 d
24	Boom Structure Thermal Vac & Bake Out	13%	15 d	6/29/04	7/20/04	345 d	261SS	
25	IDPU Thermal Vac & Bake Out	0%	10 d	10/14/04	10/27/04	276 d	224SS	
26	SWEA/STE Vibration	0%	5 d	10/6/04	10/13/04	286 d	384SS	16SS-5 d
27	SWEA/STE Thermal Vac/Thermal Balance/Bake Out	0%	14 d	10/14/04	11/2/04	272 d	385SS	
28	Boom Suite FM 2 Environmental Test Flow Snapshot - UCB	0%	78 d	8/2/04	11/22/04	259 d		
29	STE-U Thermal Vac/Bake Out	0%	10 d	8/2/04	8/13/04	327 d	326SS	
30	IDPU Vibration	0%	5 d	9/16/04	9/22/04	300 d	227SS	
31	Boom Structure Vibration	0%	4 d	8/20/04	8/25/04	319 d	281SS	
32	IDPU Thermal Vac & Bake Out	0%	10 d	9/23/04	10/6/04	290 d	228SS	
33	Boom Structure Thermal Vac & Bake Out	0%	15 d	8/26/04	9/16/04	304 d	282SS	
34	SWEA/STE Vibration	0%	5 d	10/15/04	10/21/04	280 d	392SS	
35	SWEA/STE Thermal Vac & Bake Out	0%	10 d	10/22/04	11/4/04	270 d	393SS	
36	Boom Suite FM 2 EMC	0%	5 d	11/16/04	11/22/04	259 d	404SS	
37	SEP Suite FM 1 Environmental Test Flow Snapshot	19%	197 d	2/19/04	11/29/04	255 d		
38	SEPT (NS & E) Vibration (in Europe)	100%	4 d	2/19/04	2/24/04	0 d	632SS	
39	SEPT (NS & E) Thermal Vac (in Europe)	100%	11 d	2/27/04	3/12/04	0 d	633SS,649SS	12SS-6 d
40	SEPT (NS & E) Bake Out (in Europe)	100%	2 d	3/5/04	3/8/04	0 d	634SS,650SS	

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
41	SEPT (NS & E) Thermal Balance (at GSFC)	0%	10 d	10/13/04	10/26/04	277 d	642SS,658SS	
42	LET/HET/SEP Cen Accelerator Test (at MSU)	0%	3 d	7/10/04	7/12/04	355 d	886SS	
43	SIT Vibe and Acoustics (at GSFC)	0%	10 d	10/12/04	10/25/04	278 d	808SS	18SS-5 d
44	LET/HET/SEP Cen Vibe and Acoustics (at JPL)	0%	10 d	10/12/04	10/25/04	278 d	869SS	
45	SIT Thermal Balance (at GSFC)	0%	5 d	10/27/04	11/2/04	272 d	810SS	
46	LET/HET/SEP Cen Thermal Balance (at JPL)	0%	5 d	10/26/04	11/1/04	273 d	870SS	
47	SIT Thermal Vac (at GSFC)	0%	10 d	11/3/04	11/17/04	262 d	811SS	
48	LET/HET/SEP Cen Thermal Vac (at JPL)	0%	15 d	11/2/04	11/23/04	258 d	871SS	
49	SIT Bake Out (at GSFC)	0%	3 d	11/22/04	11/24/04	257 d	813SS	
50	LET/HET/SEP Cen Bake Out (at JPL)	0%	3 d	11/24/04	11/29/04	255 d	874SS	
51	SEP Suite FM 2 Environmental Test Flow Snapshot	20%	214 d	2/19/04	12/22/04	238 d		
52	SEPT (NS & E) Vibe and Acoustics (in Europe)	100%	4 d	2/19/04	2/24/04	0 d	665SS	
53	SEPT (NS & E) Thermal Vac (in Europe)	100%	9 d	3/5/04	3/17/04	0 d	666SS,682SS	
54	SEPT (NS & E) Bake Out (in Europe)	100%	2 d	3/12/04	3/15/04	0 d	667SS,683SS	
55	LET/HET/SEP Cen Accelerator Test (at MSU)	0%	3 d	7/10/04	7/12/04	355 d	887SS	
56	LET/HET/SEP Cen Vibe and Acoustics (at JPL)	0%	10 d	10/12/04	10/25/04	278 d	876SS	
57	SEP Suite FM 2 EMC (at Caltech)	0%	5 d	12/16/04	12/22/04	238 d	883SS	
58	LET/HET/SEP Cen Thermal Vac (at JPL)	0%	15 d	10/26/04	11/16/04	263 d	877SS	
59	SIT Vibe and Acoustics (at GSFC)	0%	10 d	11/1/04	11/15/04	264 d	817SS	
60	LET/HET/SEP Cen Bake Out (at JPL)	0%	3 d	11/17/04	11/19/04	260 d	880SS	
61	SIT Thermal Vac (at GSFC)	0%	10 d	11/17/04	12/1/04	253 d	819SS	
62	SIT Bake Out (at GSFC)	0%	3 d	12/6/04	12/8/04	248 d	821SS	
63	Power Converters - UCB	82%	389.5 d	2/26/03	9/10/04	2.5 d		
64	Deliveries	60%	180 d	12/9/03	8/24/04	-1 d		
65	FM 1	99%	158 d	12/9/03	7/23/04	-15 d		
66	Deliver IDPU FM 1 LVPS (stays at UCB)	0%	0 d	7/20/04	7/20/04	-12 d	120	222
67	Deliver SEP FM 1 LVPS (to Caltech)	100%	1 d	6/1/04	6/1/04	0 d	124	506,482FS+19 d
68	Deliver SWEA/STE FM 1 LVPS (stays at UCB)	0%	0 d	7/23/04	7/23/04	-42 d	128	380
69	Deliver PLASTIC FM 1 LVPS (to UNH)	100%	2 d	5/24/04	5/25/04	0 d	132	
70	Deliver SIT FM 1 HVPS (to UMD)	100%	2 d	12/9/03	12/10/03	0 d	134	766
71	FM 2	20%	40 d	6/29/04	8/24/04	-1 d		
72	Deliver IDPU FM 2 LVPS (stays at UCB)	0%	0 d	8/24/04	8/24/04	-1 d	139	226
73	Deliver SEP FM 2 LVPS (to Caltech)	100%	1 d	6/29/04	6/29/04	0 d	141	483
74	Deliver SWEA/STE FM 2 LVPS (stays at UCB)	0%	0 d	8/24/04	8/24/04	-22 d	148	389
75	Deliver PLASTIC FM 2 LVPS (to UNH)	0%	2 d	7/27/04	7/28/04	16 d	152	
76	Deliver SIT FM 2 HVPS (to UMD)	0%	2 d	8/17/04	8/18/04	-36 d	156	768
77	Remaining Flight Procurements	100%	95 d	10/24/03	3/12/04	0 d		
78	Procure IDPU Flight Printed Wiring Board	100%	10 d	3/1/04	3/12/04	0 d	84	112FS+9 d
79	Procure SEP Flight Printed Wiring Board	100%	10 d	11/24/03	12/8/03	0 d	85	113
80	Procure SWEA Flight Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d	86	114

ID		Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
81		Procure PLASTIC Flight Printed Wiring Board	100%	10 d	10/24/03	11/6/03	0 d		115
82		Fabrication	100%	239 d	2/26/03	2/6/04	0 d		
83		FM 1 & FM 2	100%	195 d	2/26/03	12/3/03	0 d		
84		Re-layout IDPU LVPS Flight Printed Wiring Board	100%	186 d	2/26/03	11/19/03	0 d		78
85		Re-layout SEP LVPS Flight Printed Wiring Board	100%	32 d	9/24/03	11/7/03	0 d		79
86		Re-layout SWEA LVPS Flight Printed Wiring Board	100%	5 d	11/26/03	12/3/03	0 d		80
87		FM 1	100%	45 d	9/29/03	12/3/03	0 d		
88		Wind IDPU LVPS FM 1 Magnets	100%	10 d	10/17/03	10/30/03	0 d		100
89		Wind SEP LVPS FM 1 Magnets	100%	15 d	9/29/03	10/20/03	0 d		101
90		Wind SWEA LVPS FM 1 Magnets	100%	5 d	11/26/03	12/3/03	0 d		102
91		Wind PLASTIC LVPS FM 1 Magnets	100%	45 d	9/29/03	12/3/03	0 d		103
92		FM 2	100%	28 d	12/29/03	2/6/04	0 d		
93		Wind HVPS FM 2 Magnets	100%	28 d	12/29/03	2/6/04	0 d		109,94SS,95SS,96S:
94		Wind IDPU LVPS FM 2 Magnets	100%	28 d	12/29/03	2/6/04	0 d	93SS	105
95		Wind SEP LVPS FM 2 Magnets	100%	28 d	12/29/03	2/6/04	0 d	93SS	106
96		Wind SWEA LVPS FM 2 Magnets	100%	28 d	12/29/03	2/6/04	0 d	93SS	107
97		Wind PLASTIC LVPS FM 2 Magnets	100%	28 d	12/29/03	2/6/04	0 d	93SS	108
98		Assembly	88%	142 d	12/29/03	7/20/04	39 d		
99		FM 1	100%	84 d	12/29/03	4/27/04	0 d		
100		Assemble IDPU FM 1 LVPS	100%	17 d	4/5/04	4/27/04	0 d	88,112FS+2 d	118FS+37 d
101		Assemble SEP FM 1 LVPS	100%	40 d	1/12/04	3/9/04	0 d	113,89	122
102		Assemble SWEA FM 1 LVPS	100%	30 d	2/13/04	3/26/04	0 d	90,114	126,109
103		Assemble PLASTIC FM 1 LVPS	100%	29 d	12/29/03	2/9/04	0 d	115,91	130
104		FM 2	80%	80 d	3/29/04	7/20/04	39 d		
105		Assemble IDPU FM 2 LVPS	30%	10 d	6/28/04	7/12/04	5 d	94,118FS-25 d	137
106		Assemble SEP FM 2 LVPS	100%	20 d	5/24/04	6/21/04	0 d	95,122FS+5 d	141FS-10 d
107		Assemble SWEA FM 2 LVPS	50%	14 d	6/22/04	7/20/04	-22 d	96,126	146
108		Assemble PLASTIC FM 2 LVPS	74%	50 d	5/10/04	7/20/04	39 d	97,130	150FS-36 d
109		Assemble SIT FM 2 HVPS	91%	74 d	3/29/04	7/12/04	-36 d	93,102	154FS-10 d
110		Testing	69%	205 d	10/31/03	8/24/04	4 d		
111		FM 1 & FM 2	100%	88 d	11/24/03	3/31/04	0 d		
112		Coupon Test IDPU Flight Printed Wiring Board	100%	4 d	3/26/04	3/31/04	0 d	78FS+9 d	100FS+2 d
113		Coupon Test SEP Flight Printed Wiring Board	100%	5 d	12/9/03	12/15/03	0 d	79	101
114		Coupon Test SWEA Flight Printed Wiring Board	100%	6 d	1/9/04	1/16/04	0 d	80	102
115		Coupon Test PLASTIC Flight Printed Wiring Board	100%	5 d	11/24/03	12/1/03	0 d	81	103
116		FM 1	89%	183 d	10/31/03	7/23/04	-3 d		
117		IDPU	38%	21 d	6/21/04	7/20/04	0 d		
118		Test IDPU FM 1 LVPS	38%	21 d	6/21/04	7/20/04	-12 d	100FS+37 d	119,105FS-25 d,137
119		Coat & Stake IDPU LVPS FM 1 Boards	0%	0 d	7/20/04	7/20/04	-12 d	118	120
120		Retest IDPU LVPS FM 1 Boards	0%	0 d	7/20/04	7/20/04	-12 d	119	66

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
121	SEP	100%	58 d	3/10/04	5/28/04	0 d		
122	Test SEP FM 1 LVPS	100%	48 d	3/10/04	5/14/04	0 d	101	123,106FS+5 d
123	Coat & Stake SEP LVPS FM 1 Boards	100%	5 d	5/17/04	5/21/04	0 d	122	124
124	Retest SEP LVPS FM 1 Boards	100%	5 d	5/24/04	5/28/04	0 d	123,417	67
125	SWEA	83%	93 d	3/15/04	7/23/04	-10 d		
126	Test SWEA FM 1 LVPS	93%	83 d	3/15/04	7/9/04	-42 d	102	127,107
127	Coat & Stake SWEA LVPS FM 1 Boards	0%	5 d	7/12/04	7/16/04	-42 d	126	128
128	Retest SWEA LVPS FM 1 Boards	0%	5 d	7/19/04	7/23/04	-42 d	127	68
129	PLASTIC	100%	73 d	2/10/04	5/21/04	0 d		
130	Test PLASTIC FM 1 LVPS	100%	63 d	2/10/04	5/7/04	0 d	103	131,108
131	Coat & Stake PLASTIC LVPS FM 1 Boards	100%	5 d	5/10/04	5/14/04	0 d	130	132
132	Retest PLASTIC LVPS FM 1 Boards	100%	5 d	5/17/04	5/21/04	0 d	131	69
133	SIT	100%	25 d	10/31/03	12/8/03	0 d		
134	Test SIT FM 1 HVPS	100%	25 d	10/31/03	12/8/03	0 d		70
135	FM 2	27%	61 d	5/28/04	8/24/04	4 d		
136	IDPU	0%	25 d	7/21/04	8/24/04	-1 d		
137	Test IDPU FM 2 LVPS	0%	15 d	7/21/04	8/10/04	-1 d	105,118	138
138	Coat & Stake IDPU LVPS FM 2 Boards	0%	5 d	8/11/04	8/17/04	-1 d	137	139
139	Retest IDPU LVPS FM 2 Boards	0%	5 d	8/18/04	8/24/04	-1 d	138	72
140	SEP	54%	44 d	6/8/04	8/9/04	15 d		
141	Test SEP FM 2 LVPS	100%	15 d	6/8/04	6/28/04	0 d	106FS-10 d	142,73
142	Coat & Stake SEP LVPS FM 2 Boards	0%	5 d	7/22/04	7/28/04	15 d	141,893	143
143	Retest SEP LVPS FM 2 Boards	0%	5 d	7/29/04	8/4/04	15 d	142,417	144
144	Bakeout SEP LVPS FM 2 Boards	0%	3 d	8/5/04	8/9/04	15 d	143	860
145	SWEA	0%	25 d	7/21/04	8/24/04	-22 d		
146	Test SWEA FM 2 LVPS	0%	15 d	7/21/04	8/10/04	-22 d	107	147
147	Coat & Stake SWEA LVPS FM 2 Boards	0%	5 d	8/11/04	8/17/04	-22 d	146	148
148	Retest SWEA LVPS FM 2 Boards	0%	5 d	8/18/04	8/24/04	-22 d	147	74
149	PLASTIC	57%	40 d	5/28/04	7/26/04	16 d		
150	Test PLASTIC FM 2 LVPS	77%	30 d	5/28/04	7/12/04	16 d	108FS-36 d	151
151	Coat & Stake PLASTIC LVPS FM 2 Boards	0%	5 d	7/13/04	7/19/04	16 d	150	152
152	Retest PLASTIC LVPS FM 2 Boards	0%	5 d	7/20/04	7/26/04	16 d	151	75
153	SIT	0%	35 d	6/28/04	8/16/04	-36 d		
154	Test SIT FM 2 HVPS	0%	15 d	6/28/04	8/2/04	-36 d	109FS-10 d	155
155	Coat & Stake SIT FM 2 HVPS Boards	0%	5 d	8/3/04	8/9/04	-36 d	154	156
156	Retest SIT FM 2 HVPS Boards	0%	5 d	8/10/04	8/16/04	-36 d	155	76
157	Replacement of LTC1877s	0%	15.5 d	8/18/04	9/10/04	-1.5 d		
158	Receive new parts	0%	0 d	8/18/04	8/18/04	-1.5 d		159,182
159	FM 1	0%	12.5 d	8/19/04	9/7/04	2.5 d	158	206
160	IDPU w/ replacement part	0%	6.5 d	8/20/04	8/30/04	4 d		

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
161	Replace LTC1877	0%	0.5 d	8/20/04	8/20/04	4 d	185	162,167
162	Test IDPU FM 1 LVPS	0%	1 d	8/23/04	8/23/04	7 d	161	163
163	Coat & Stake IDPU LVPS FM 1 Boards	0%	3 d	8/24/04	8/26/04	7 d	162	164
164	Retest/Reassenble IDPU LVPS FM 1 Boards	0%	2 d	8/27/04	8/30/04	7 d	163	
165	SEP w/ replacement part	0%	7.5 d	8/19/04	8/30/04	5 d		
166	Receive SEP FM 1 LVPS from CIT	0%	1 d	8/19/04	8/19/04	5 d		167
167	Replace LTC1877	0%	0.5 d	8/23/04	8/23/04	4 d	166,161	168,172
168	Test SEP FM 1 LVPS	0%	1 d	8/23/04	8/24/04	7.5 d	167	169
169	Coat & Stake SEP LVPS FM 1 Boards	0%	2 d	8/24/04	8/26/04	7.5 d	168	170
170	Retest/ Reassmeble SEP LVPS FM 1 Boards	0%	2 d	8/26/04	8/30/04	7.5 d	169	
171	SWEA w/ replacement part	0%	6.5 d	8/23/04	8/31/04	4 d		
172	Replace LTC1877	0%	0.5 d	8/23/04	8/23/04	4 d	167	173,178
173	Test SWEA FM 1 LVPS	0%	1 d	8/24/04	8/24/04	6 d	172	174
174	Coat & Stake SWEA LVPS FM 1 Boards	0%	3 d	8/25/04	8/27/04	6 d	173	175
175	Retest/ Reassmeble SWEA LVPS FM 1 Boards	0%	2 d	8/30/04	8/31/04	6 d	174	
176	PLASTIC w/ replacement part	0%	6.5 d	8/27/04	9/7/04	0.5 d		
177	Receive PLASTIC FM 1 LVPS from UNH	0%	0.5 d	8/27/04	8/27/04	0.5 d		178
178	Replace LTC1877	0%	1 d	8/27/04	8/30/04	0.5 d	177,172	179,191
179	Test PLASTIC FM 1 LVPS	0%	1 d	8/30/04	8/31/04	2.5 d	178	180
180	Coat & Stake PLASTIC LVPS FM 1 Boards	0%	2 d	8/31/04	9/2/04	2.5 d	179	181
181	Retest/ Reassmeble PLASTIC LVPS FM 1 Boards	0%	2 d	9/2/04	9/7/04	2.5 d	180	
182	FM 2	0%	14.5 d	8/19/04	9/9/04	-1.5 d	158	206
183	PLASTIC w/ replacement part	0%	7 d	8/19/04	8/27/04	-1.5 d		
184	Receive PLASTIC FM 2 LVPS from UNH	0%	1 d	8/19/04	8/19/04	-1.5 d		185
185	Replace LTC1877	0%	0.5 d	8/20/04	8/20/04	-1.5 d	184	186,161
186	Test PLASTIC FM 2 LVPS	0%	1 d	8/20/04	8/23/04	-1.5 d	185	187
187	Final Coat & Stake PLASTIC LVPS FM 2 Boards	0%	2 d	8/23/04	8/25/04	-1.5 d	186	188
188	Retest/ Reassmeble PLASTIC LVPS FM 2 Boards	0%	2 d	8/25/04	8/27/04	-1.5 d	187	189
189	Deliver PLASTIC LVPS FM 2 (to UNH)	0%	2 d	8/26/04	8/27/04	-1.5 d	188	
190	IDPU w/ replacement part	0%	6.5 d	8/30/04	9/8/04	0.5 d		
191	Replace LTC1877	0%	0.5 d	8/30/04	8/30/04	0.5 d	178	192,197
192	Test IDPU FM 2 LVPS	0%	1 d	8/31/04	8/31/04	1 d	191	193
193	Final Coat & Stake IDPU LVPS FM 2 Boards	0%	3 d	9/1/04	9/3/04	1 d	192	194
194	Retest/Reassenble IDPU LVPS FM 1 Boards	0%	2 d	9/7/04	9/8/04	1 d	193	
195	SEP w/ replacement part	0%	13.5 d	8/19/04	9/8/04	1.5 d		
196	Receive SEP FM 2 LVPS from CIT	0%	1 d	8/19/04	8/19/04	7.5 d		197
197	Replace LTC1877	0%	0.5 d	8/31/04	8/31/04	0.5 d	191,196	198,203
198	Test SEP FM 2 LVPS	0%	1 d	8/31/04	9/1/04	1.5 d	197	199
199	Final Coat & Stake SEP LVPS FM 2 Boards	0%	2 d	9/1/04	9/3/04	1.5 d	198	200
200	Retest/ Reassmeble SEP LVPS FM 2 Boards	0%	2 d	9/3/04	9/8/04	1.5 d	199	

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
201	SWEA w/ replacement part	0%	14.5 d	8/19/04	9/9/04	0.5 d		
202	Replace LTC1877	0%	0.5 d	8/19/04	8/19/04	8.5 d		203
203	Test SWEA FM 2 LVPS	0%	1 d	8/31/04	9/1/04	0.5 d	202,197	204
204	Final Coat & Stake SWEA LVPS FM 2 Boards	0%	3 d	9/1/04	9/7/04	0.5 d	203	205
205	Retest/ Reassemble SWEA LVPS FM 2 Boards	0%	2 d	9/7/04	9/9/04	0.5 d	204	
206	Deliver all LVPS w/ Replacement Parts (to CIT for re-integration before EMC)	0%	1 d	9/9/04	9/10/04	0.5 d	159,182	
207	IDPU - UCB	86%	374 d	5/5/03	10/27/04	-14 d		
208	Deliveries	0%	25 d	7/27/04	8/31/04	-12 d		
209	IDPU FM 1 Complete (to UCB for Boom I&T, then to CIT for SEP I&T, Suite EMC,	0%	0 d	7/27/04	7/27/04	-12 d	222	398
210	IDPU FM 2 Complete (to CIT for SEP I&T, then to UCB for Boom I&T, Boom EMC,	0%	0 d	8/31/04	8/31/04	-1 d	226	862
211	Flight Software	92%	321 d	5/5/03	8/11/04	29 d		
212	IDPU S/W Build #2.5	100%	131 d	5/5/03	11/7/03	0 d		222
213	IDPU S/W Build #3 (also goes to UNH)	88%	249 d	8/15/03	8/11/04	29 d		228
214	GSE	87%	301 d	6/30/03	9/8/04	0 d		
215	STE Science Display	100%	27 d	10/23/03	12/2/03	0 d		
216	SWEA Science Display	100%	167 d	6/30/03	3/1/04	0 d		
217	GSE Continued Development (LOE)	79%	291 d	7/15/03	9/8/04	0 d		
218	Integration & Test	38%	266 d	10/7/03	10/27/04	-14 d		
219	IDPU DCB FM 2 Board Level Testing	100%	15 d	10/7/03	10/28/03	0 d		226,220
220	IDPU DCB Clean/Stake/Coat (FM 1 & FM 2)	100%	10 d	12/26/03	1/9/04	0 d	219	222,226
221	FM 1	0%	69 d	7/21/04	10/27/04	-19 d		
222	IDPU FM 1 I & T	0%	5 d	7/21/04	7/27/04	-12 d	212,66,285,329,220	223,209
223	IDPU FM 1 Vibration	0%	5 d	10/6/04	10/13/04	-19 d	222,19	224,23SS
224	IDPU FM 1 Thermal Vacuum & Bake Out	0%	10 d	10/14/04	10/27/04	-19 d	223	25SS,399
225	FM 2	0%	30 d	8/25/04	10/6/04	-1 d		
226	IDPU FM 2 I & T	0%	5 d	8/25/04	8/31/04	-1 d	72,286,330,219,220	210
227	IDPU FM 2 Vibration	0%	5 d	9/16/04	9/22/04	0 d	863FS+2 d	228,30SS
228	IDPU FM 2 Thermal Vacuum & Bake Out	0%	10 d	9/23/04	10/6/04	0 d	227,213	32SS,403
229	BOOM Suite - UCB	91%	356 d	7/1/03	11/30/04	-22 d		
230	BOOM Structure - UCB	94%	257 d	9/10/03	9/16/04	12 d		
231	Deliveries	0%	174 d	1/9/04	9/16/04	12 d		
232	Protoflight Boom available for I&T (if needed)	100%	0 d	1/9/04	1/9/04	0 d	237	
233	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	261	398,397
234	Deliver Boom Structure FM 2 (stays at UCB for Boom Suite FM 2 I&T)	0%	0 d	9/16/04	9/16/04	12 d	282	403,402
235	Protoflight	100%	79 d	9/16/03	1/9/04	0 d		
236	Protoflight Boom Post Environmental Deployment Test	100%	35 d	9/16/03	11/4/03	0 d		237
237	Document Protoflight Boom Test Results	100%	44 d	11/5/03	1/9/04	0 d	236	232
238	Flight Procurements	100%	40 d	9/10/03	11/5/03	0 d		
239	Receive and Inspect Flight Boom Structure Tubes (FM 1)	100%	32 d	9/10/03	10/24/03	0 d		244,245FF+47 d
240	Receive and Inspect Flight Boom Structure Tubes (FM 2)	100%	40 d	9/10/03	11/5/03	0 d		265

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
241	FM 1	95%	203 d	9/29/03	7/20/04	0 d		
242	Telescoping	100%	84 d	10/27/03	2/29/04	0 d		
243	Fabrication, Assembly & Test	100%	84 d	10/27/03	2/29/04	0 d		
244	Machine FM 1 Boom Structure Tubes as necessary	100%	5 d	10/27/03	10/31/03	0 d	239	246
245	Machine FM 1 Boom Structure Parts (Rings)	100%	38 d	11/7/03	1/5/04	0 d	239FF+47 d	246,266SS
246	Assemble FM 1 Boom Structure Telescoping Assembly	100%	5 d	2/23/04	2/27/04	0 d	244,245	247,267SS
247	Test FM 1 Boom Structure Telescoping Assembly	100%	2 d	2/28/04	2/29/04	0 d	246	258
248	Harness	100%	109 d	9/29/03	3/8/04	0 d		
249	Fabrication	100%	103 d	9/29/03	2/27/04	0 d		
250	Machine FM 1 Harness Parts	100%	103 d	9/29/03	2/27/04	0 d		252,271SS
251	Assembly & Test	100%	6 d	3/1/04	3/8/04	0 d		
252	Assemble FM 1 Harness subassembly	100%	7 d	3/1/04	3/7/04	0 d	250	253
253	FM1 Harness Test	100%	1 d	3/8/04	3/8/04	0 d	252	258FS+5 d
254	Mounting	100%	38 d	9/29/03	11/21/03	0 d		
255	FM 1 Boom Structure Mounting Fabrication	100%	28 d	9/29/03	11/6/03	0 d		256,276SS
256	FM 1 Boom Structure Mounting Assembly	100%	10 d	11/7/03	11/21/03	0 d	255	
257	Integration & Test	84%	89 d	3/16/04	7/20/04	0 d		
258	Integrate FM 1 Boom Structure subassemblies & Harness Completion	100%	60 d	3/16/04	6/8/04	0 d	247,253FS+5 d	259,279SS+10 d
259	FM 1 Boom Structure Deployment Test	100%	3 d	6/9/04	6/11/04	0 d	258	260,396
260	FM 1 Boom Structure Vibration Test	100%	4 d	6/23/04	6/28/04	0 d	259,396	261,22SS
261	FM 1 Boom Structure Themal Vac & Bake Out	13%	15 d	6/29/04	7/20/04	-9 d	260	282,24SS,233
262	FM 2	90%	244 d	9/29/03	9/16/04	12 d		
263	Telescoping	100%	78 d	11/6/03	3/2/04	0 d		
264	Fabrication, Assembly & Test	100%	78 d	11/6/03	3/2/04	0 d		
265	Machine FM 2 Boom Structure Tubes as necessary	100%	11 d	11/6/03	11/21/03	0 d	240	267
266	Machine FM 2 Boom Structure Parts (Rings)	100%	38 d	11/7/03	1/5/04	0 d	245SS	267
267	Assemble FM 2 Boom Structure Telescoping Assembly	100%	5 d	2/23/04	2/27/04	0 d	265,266,246SS	268
268	Test FM 2 Boom Structure Telescoping Assembly	100%	2 d	3/1/04	3/2/04	0 d	267	279
269	Harness	100%	110 d	9/29/03	3/9/04	0 d		
270	Fabrication	100%	103 d	9/29/03	2/27/04	0 d		
271	Machine FM 2 Harness Parts	100%	103 d	9/29/03	2/27/04	0 d	250SS	273
272	Assembly & Test	100%	7 d	3/1/04	3/9/04	0 d		
273	Assemble FM 2 Harness subassembly	100%	6 d	3/1/04	3/8/04	0 d	271	274
274	FM 2 Harness Test	100%	1 d	3/9/04	3/9/04	0 d	273	279
275	Mounting	100%	38 d	9/29/03	11/21/03	0 d		
276	FM 2 Boom Structure Mountings Fabrication	100%	28 d	9/29/03	11/6/03	0 d	255SS	277
277	FM 2 Boom Structure Mountings Assembly	100%	10 d	11/7/03	11/21/03	0 d	276	
278	Integration & Test	69%	121 d	3/29/04	9/16/04	12 d		
279	Integrate FM 2 Boom Structure subassemblies & Harness Completion	89%	75 d	3/29/04	7/13/04	32 d	268,274,258SS+10 d	280
280	FM 2 Boom Structure Deployment Test	0%	3 d	7/14/04	7/16/04	32 d	279	281,401

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
281	FM 2 Boom Structure Vibration Test	0%	4 d	8/20/04	8/25/04	12 d	280,401	282,31SS
282	FM 2 Boom Structure Thermal Vac & Bake Out	0%	15 d	8/26/04	9/16/04	12 d	281,261	33SS,234
283	MAG - GSFC	100%	63 d	2/20/04	5/18/04	0 d		
284	Deliveries	100%	15 d	4/28/04	5/18/04	0 d		
285	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	289	222,396
286	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	292	226,401
287	FM 1	100%	48 d	2/20/04	4/27/04	0 d		
288	FM 1 MAG Testing	100%	20 d	2/20/04	3/18/04	0 d		289FS+10 d,291FF+
289	MAG FM 1 Calibration	100%	22 d	3/26/04	4/27/04	0 d	288FS+10 d	285
290	FM 2	100%	51 d	3/5/04	5/14/04	0 d		
291	FM 2 MAG Testing	100%	20 d	3/5/04	4/1/04	0 d	288FF+10 d	292FS+10 d
292	MAG FM 2 Calibration	100%	21 d	4/16/04	5/14/04	0 d	291FS+10 d	286
293	SWEA - CESR	100%	126 d	12/8/03	6/7/04	0 d		
294	Deliveries	100%	126 d	12/8/03	6/7/04	0 d		
295	SWEA FM 1 Delivery to UCB	100%	3 d	12/8/03	12/10/03	0 d		382
296	SWEA FM 2 Delivery to UCB	100%	3 d	6/3/04	6/7/04	0 d	299FS+7 d	390
297	FM 2	100%	50 d	3/15/04	5/21/04	0 d		
298	SWEA FM 2 Final Assembly (Block 2)	100%	5 d	3/15/04	3/19/04	0 d		299
299	SWEA FM 2 Calibration	100%	45 d	3/22/04	5/21/04	0 d	298	296FS+7 d
300	STE - UCB	92%	241 d	8/29/03	8/13/04	12 d		
301	Deliveries	0%	43 d	6/14/04	8/13/04	12 d		
302	Deliver STE-D FM 1 (stays at UCB for SWEA/STE-D FM 1 I&T)	100%	0 d	6/14/04	6/14/04	0 d	317	382
303	Deliver STE-D FM 2 (stays at UCB for SWEA/STE-D FM 2 I&T)	0%	0 d	8/13/04	8/13/04	-5 d	325	390
304	Deliver STE-U FM 1 (stays at UCB for BOOM Suite FM 1 I&T)	100%	0 d	6/16/04	6/16/04	0 d	318	396
305	Deliver STE-U FM 2 (stays at UCB for BOOM Suite FM 2 I&T)	0%	0 d	8/13/04	8/13/04	12 d	326	401
306	STE-U/D Housing	100%	53 d	11/21/03	2/9/04	0 d		
307	Fabricate STE FM 1 Box	100%	53 d	11/21/03	2/9/04	0 d		316
308	Fabricate STE FM 2 Box	100%	53 d	11/21/03	2/9/04	0 d		324
309	STE-U/D Detector Boards	90%	241 d	8/29/03	8/13/04	12 d		
310	Coupon Test STE FM 1 & FM 2 Detector Printed Wiring Board	100%	17 d	10/10/03	11/4/03	0 d	312,320	313,321
311	FM 1	100%	200 d	8/29/03	6/16/04	0 d		
312	Fabrication STE FM 1 Detector Printed Wiring Board	100%	29 d	8/29/03	10/9/03	0 d		310
313	Load STE FM 1 Detector Printed Wiring Board	100%	60 d	11/5/03	2/3/04	0 d	310	314
314	Test STE FM 1 Detector Printed Wiring Board	100%	10 d	2/4/04	2/18/04	0 d	313	316,321FF+17 d
315	Integration & Test	100%	84 d	2/19/04	6/16/04	0 d		
316	Integrate & Test STE-U/D FM 1 Detectors W/ FM 1 Housings	100%	47 d	2/19/04	4/23/04	0 d	307,314	324FS-10 d,317FS-1
317	Calibrate STE-U/D FM 1	100%	45 d	4/12/04	6/14/04	0 d	316FS-10 d	318FS-6 d,302,324
318	STE-U FM 1 Thermal Vacuum/Balance/Bake Out	100%	31 d	4/26/04	6/16/04	0 d	317FS-6 d	304,21SS
319	FM 2	79%	241 d	8/29/03	8/13/04	12 d		
320	Fabricate STE FM 2 Detector Printed Wiring Board	100%	29 d	8/29/03	10/9/03	0 d		310

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
321	Load STE FM 2 Detector Printed Wiring Board	100%	63 d	11/5/03	3/12/04	0 d	310,314FF+17 d	322
322	Test STE FM 2 Detector Printed Wiring Board	100%	65 d	3/15/04	6/14/04	0 d	321	324
323	Integration & Test	21%	43 d	6/15/04	8/13/04	12 d		
324	Integrate & Test STE-U/D FM 2 Detectors W/ FM 2 Housings	60%	20 d	6/15/04	7/13/04	-5 d	308,322,316FS-10 d,3	325FS-5 d
325	Calibrate STE-U/D FM 2	0%	28 d	7/7/04	8/13/04	-5 d	324FS-5 d	326FS-10 d,303
326	STE-U FM 2 Thermal Vacuum/Bake Out	0%	10 d	8/2/04	8/13/04	12 d	325FS-10 d	305,29SS
327	STE and SWEA - UCB	90%	340 d	7/1/03	11/4/04	-22 d		
328	Deliveries	0%	120 d	5/14/04	11/4/04	-22 d		
329	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	378	222
330	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	387	226
331	Deliver SWEA/STE-D FM 1 (stays at UCB for Boom Suite FM 1 I&T)	0%	0 d	9/3/04	9/3/04	-42 d	383	397
332	Deliver SWEA/STE-D FM 2 (stays at UCB for Boom Suite FM 2 I&T)	0%	0 d	11/4/04	11/4/04	-22 d	393	402
333	SWEA Pedestal	100%	152 d	7/1/03	2/9/04	0 d		
334	Fabricate SWEA FM 1 Baseplate	100%	152 d	7/1/03	2/9/04	0 d		379
335	Fabricate SWEA FM 2 Baseplate	100%	152 d	7/1/03	2/9/04	0 d		388
336	STE-D Pre-Amp Board	100%	163 d	9/22/03	5/14/04	0 d		
337	FM 1	100%	163 d	9/22/03	5/14/04	0 d		
338	Fabricate STE-D FM 1 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		343
339	Load STE-D FM 1 Preamp Printed Wiring Board	100%	49 d	3/9/04	5/14/04	0 d	343	379,342SS
340	FM 2	100%	163 d	9/22/03	5/14/04	0 d		
341	Fabricate STE-D FM 2 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		343
342	Load STE-D FM 2 Preamp Printed Wiring Board	100%	49 d	3/9/04	5/14/04	0 d	339SS	388
343	Coupon Test STE-D FM 1 & FM 2 Pre-Amp Printed Wiring Boards	100%	15 d	11/10/03	12/2/03	0 d	338,341	339
344	STE-D Shaper Board	100%	118 d	12/4/03	5/21/04	0 d		
345	FM 1	100%	67 d	12/4/03	3/11/04	0 d		
346	Fabricate STE-D FM 1 Shaper Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		351
347	Load STE-D FM 1 Shaper Printed Wiring Board	100%	5 d	3/5/04	3/11/04	0 d	351	379,355SS
348	FM 2	100%	118 d	12/4/03	5/21/04	0 d		
349	Fabricate STE-D FM 2 Shaper Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		351
350	Load STE-D FM 2 Shaper Printed Wiring Board	100%	15 d	5/3/04	5/21/04	0 d	351FS+78 d	388,358SS,379
351	Coupon Test STE-D FM 1 & FM 2 Shaper Printed Wiring Boards	100%	15 d	12/18/03	1/9/04	0 d	346,349	347,350FS+78 d
352	STE-D Interface Board	100%	118 d	12/4/03	5/21/04	0 d		
353	FM 1	100%	67 d	12/4/03	3/11/04	0 d		
354	Fabricate SWEA / STE-D FM 1 Digital to Analog Converter Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		359
355	Load SWEA / STE-D FM 1 Digital to Analog Converter Printed Wiring Board	100%	5 d	3/5/04	3/11/04	0 d	347SS	379
356	FM 2	100%	118 d	12/4/03	5/21/04	0 d		
357	Fabricate SWEA / STE-D FM 2 Digital to Analog Converter Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		359
358	Load SWEA / STE-D FM 2 Digital to Analog Converter Printed Wiring Board	100%	15 d	5/3/04	5/21/04	0 d	350SS	388
359	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	354,357	
360	STE-U Pre-Amp Board	100%	160 d	9/22/03	5/11/04	0 d		

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
361	FM 1	100%	79 d	9/22/03	1/15/04	0 d		
362	Fabricate STE-U FM 1 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		367
363	Load STE-U FM 1 Preamp Printed Wiring Board	100%	4 d	1/12/04	1/15/04	0 d	367	378
364	FM 2	100%	160 d	9/22/03	5/11/04	0 d		
365	Fabricate STE-U FM 2 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		367
366	Load STE-U FM 2 Preamp Printed Wiring Board	100%	46 d	3/9/04	5/11/04	0 d	367	387
367	Coupon Test STE-U FM 1 & FM 2 Pre-Amp Printed Wiring Boards	100%	15 d	11/10/03	12/2/03	0 d	362,365	363,366
368	STE-U Shaper & Interface Board	100%	78 d	12/4/03	3/26/04	0 d		
369	FM 1	100%	73 d	12/4/03	3/19/04	0 d		
370	Fabricate STE-U FM 1 Shaper & Interface Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		375
371	Load STE-U FM 1 Shaper & Interface Printed Wiring Board	100%	13 d	3/3/04	3/19/04	0 d	375	378,374
372	FM 2	100%	78 d	12/4/03	3/26/04	0 d		
373	Fabricate STE-U FM 2 Shaper & Interface Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		375
374	Load STE-U FM 2 Shaper & Interface Printed Wiring Board	100%	5 d	3/22/04	3/26/04	0 d	371	387
375	Coupon Test STE-U FM 1 & FM 2 Shaper & Interface Printed Wiring Boards	100%	15 d	12/18/03	1/9/04	0 d	370,373	371
376	Integration & Test	51%	160 d	3/22/04	11/4/04	-22 d		
377	FM 1	56%	158 d	3/22/04	11/2/04	-23 d		
378	Integrate & Test STE-U FM 1 Interface Boards	100%	40 d	3/22/04	5/14/04	0 d	363,371	329
379	Integrate & Test SWEA/STE-D FM 1 Interface Boards	100%	20 d	5/24/04	6/21/04	0 d	334,339,347,355,350	380,381
380	Integrate & Test SWEA/STE-D FM 1 Interface with SWEA/STE-D FM 1 I	0%	10 d	7/26/04	8/6/04	-42 d	379,68	382
381	Clean/Coat/Stake SWEA/STE-D Interface	70%	10 d	6/22/04	7/6/04	-19 d	379	382
382	Integrate & Test SWEA/STE-D FM 1 Combined	0%	5 d	8/9/04	8/13/04	-42 d	380,381,295,302	383
383	Calibrate SWEA/STE FM 1	0%	15 d	8/16/04	9/3/04	-42 d	382	384,331
384	SWEA/STE FM 1 Vibration	0%	5 d	10/6/04	10/13/04	-23 d	383,19	26SS,385
385	SWEA/STE-D FM 1 Thermal Vac/Thermal Balance/Bake Out	0%	14 d	10/14/04	11/2/04	-23 d	384	27SS,399
386	FM 2	44%	123 d	5/12/04	11/4/04	-22 d		
387	Integrate & Test STE-U FM 2 Interface Boards	100%	20 d	5/12/04	6/9/04	0 d	366,374	330
388	Integrate & Test SWEA/STE-D FM 2 Interface Boards	100%	20 d	5/24/04	6/21/04	0 d	335,342,350,358	389
389	Integrate & Test SWEA/STE-D FM 2 Interface with SWEA/STE-D FM 2 L	0%	10 d	8/25/04	9/8/04	-22 d	388,74	390
390	Integrate & Test SWEA/STE-D FM 2 Combined	0%	10 d	9/9/04	9/22/04	-22 d	389,296,303	391
391	Calibrate SWEA/STE FM 2	0%	15 d	9/23/04	10/14/04	-22 d	390	392
392	SWEA/STE FM 2 Vibration	0%	5 d	10/15/04	10/21/04	-22 d	391	393,34SS
393	SWEA/STE-D FM 2 Thermal Vac & bake Out	0%	10 d	10/22/04	11/4/04	-22 d	392	332,35SS
394	Boom Suite I&T - UCB	11%	114 d	6/17/04	11/30/04	-22 d		
395	FM 1	27%	101 d	6/17/04	11/9/04	-23 d		
396	FM 1 Boom/MAG/STE-U I&T	100%	4 d	6/17/04	6/22/04	0 d	259,285,304	260
397	FM 1 Boom/SWEA/STE/MAG I&T	0%	2 d	9/7/04	9/8/04	-42 d	331,233	398
398	FM 1 Integrated Boom/IDPU I&T	0%	4 d	9/9/04	9/14/04	-42 d	397,233,209	399,848
399	Final BOOM Suite FM 1 I & T	0%	5 d	11/3/04	11/9/04	-23 d	398,385,224	5
400	FM 2	0%	73 d	8/16/04	11/30/04	-22 d		

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
401	FM 2 Boom/MAG/STE-U I&T	0%	4 d	8/16/04	8/19/04	12 d	280,286,305	281
402	FM 2 Boom/SWEA/STE/MAG I&T	0%	2 d	11/5/04	11/8/04	-22 d	332,234	403
403	FM 2 Integrated Boom/IDPU I&T	0%	4 d	11/9/04	11/15/04	-22 d	402,234,228	404
404	Boom Suite FM 2 EMC	0%	5 d	11/16/04	11/22/04	-22 d	403	36SS,405
405	Final BOOM Suite FM 2 I & T	0%	5 d	11/23/04	11/30/04	-22 d	404	6
406	SEP Suite - CIT	80%	391 d	6/2/03	12/20/04	-35 d		
407	SEP Mechanical - Sandy Shuman (GSFC)	72%	169 d	1/27/04	9/23/04	-29 d		
408	SIT Electronics Enclosure (Priority 1)	100%	70 d	2/9/04	5/17/04	0 d		
409	Complete Design/Drawings for SIT Enclosure	100%	10 d	2/9/04	2/23/04	0 d		410FS+32 d,414SS
410	Fabrication of SIT Enclosure	100%	21 d	4/8/04	5/6/04	0 d	409FS+32 d	411
411	Inspection and Final Assembly of SIT Enclosure	100%	6 d	5/7/04	5/14/04	0 d	410	412
412	Deliver SIT Enclosure to UMD	100%	1 d	5/17/04	5/17/04	0 d	411	779,797
413	SEP FM 1 & FM 2 LVPS Boxes (Priority 2)	100%	53 d	2/9/04	4/22/04	0 d		
414	Complete Design/Drawings for SEP LVPS Boxes	100%	5 d	2/9/04	2/13/04	0 d	409SS	415,419
415	Fabrication of SEP LVPS Boxes	100%	35 d	2/17/04	4/5/04	0 d	414	416
416	Inspection of SEP LVPS Boxes (Final Assembly at UCB)	100%	10 d	4/6/04	4/19/04	0 d	415	417
417	Deliver SEP LVPS Boxes to UCB	100%	3 d	4/20/04	4/22/04	0 d	416	124,143
418	SEP Electronics Enclosure (Priority 3)	100%	92 d	2/17/04	6/24/04	0 d		
419	Complete Design/Drawings for SEP Enclosure	100%	73 d	2/17/04	5/27/04	0 d	414	420FS-5 d,424FS-3 d
420	Fabrication of SEP Enclosure	100%	15 d	5/21/04	6/11/04	0 d	419FS-5 d	421
421	Inspection and Final Assembly of SEP Enclosure	100%	6 d	6/14/04	6/21/04	0 d	420	422
422	Deliver SEP Enclosure to CIT	100%	3 d	6/22/04	6/24/04	0 d	421	842,859
423	SEP Central Bias Supply Shields (Priority 4)	100%	20 d	5/25/04	6/22/04	0 d		
424	Complete Design/Drawings for Bias Supply Shields	100%	5 d	5/25/04	6/1/04	0 d	419FS-3 d	425,428FS-5 d
425	Fabrication of Bias Supply Shields	100%	10 d	6/2/04	6/15/04	0 d	424	426
426	Inspection and Delivery (to CIT) of Bias Supply Shields	100%	5 d	6/16/04	6/22/04	0 d	425	483
427	LET Telescope (Priority 5)	100%	24 d	5/25/04	6/28/04	0 d		
428	Complete Design/Drawings for LET Telescope	100%	5 d	5/25/04	6/1/04	0 d	424FS-5 d	429,433FS-14 d
429	Fabrication of LET Telescope	100%	10 d	6/2/04	6/15/04	0 d	428	430
430	Inspection and Final Assembly of LET Telescope (CIT has detectors)	100%	8 d	6/16/04	6/25/04	0 d	429	431
431	Deliver LET Telescope to CIT	100%	1 d	6/28/04	6/28/04	0 d	430	588,590
432	HET Electronics Enclosure (Priority 6)	100%	67 d	3/22/04	6/23/04	0 d		
433	Complete Design/Drawings for HET Enclosure	100%	23 d	3/22/04	6/2/04	0 d	428FS-14 d	434,438FF
434	Fabrication of HET Enclosure	100%	10 d	6/3/04	6/16/04	0 d	433	435
435	Inspection and Final Assembly of HET Enclosure	100%	5 d	6/17/04	6/23/04	0 d	434	436,440SS-3 d
436	Deliver HET Enclosure (stays at GSFC)	100%	0 d	6/23/04	6/23/04	0 d	435	440FS-8 d
437	HET Telescope (Priority 7)	100%	102 d	1/27/04	6/18/04	0 d		
438	On Going work for HET Telescope (Complete Design/Drawings & Prep for Fal	100%	89 d	1/27/04	6/2/04	0 d	433FF	439FS-3 d
439	Fabrication of HET Telescope	100%	10 d	5/28/04	6/11/04	0 d	438FS-3 d	440
440	Inspection and Final Assembly of HET Telescope	100%	5 d	6/14/04	6/18/04	0 d	439,435SS-3 d,436FS	441

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
441	Deliver HET Telescope (stays at GSFC)	100%	0 d	6/18/04	6/18/04	0 d	440	557,563
442	SIT Telescope (Priority 9)	0%	36 d	7/13/04	8/31/04	-40 d		
443	Complete Design/Drawings for SIT Telescope	0%	20 d	7/13/04	8/9/04	-40 d	886,887	444FS-10 d,476,455I
444	Fabrication of SIT Telescope	0%	20 d	7/27/04	8/23/04	-40 d	443FS-10 d	445
445	Inspection and Final Assembly of SIT Telescope	0%	5 d	8/24/04	8/30/04	-40 d	444	446
446	Deliver SIT Telescope to UMD (Includes the Foils and Detectors)	0%	1 d	8/31/04	8/31/04	-40 d	445	797,779
447	Shipping Containers for HET, SIT & SEP Central (Priority 8)	100%	33 d	5/10/04	6/24/04	0 d		
448	Design	100%	15 d	5/10/04	5/28/04	0 d		449
449	Fabrication/Machining	100%	10 d	6/1/04	6/14/04	0 d	448	450
450	Inspection and Assembly	100%	5 d	6/15/04	6/21/04	0 d	449	451,452,453
451	HET Container stays at GSFC	100%	0 d	6/21/04	6/21/04	0 d	450	512,514
452	SIT Container to UMD	100%	1 d	6/22/04	6/22/04	0 d	450	696
453	SEP Central Container to CIT	100%	3 d	6/22/04	6/24/04	0 d	450	886
454	Remaining LET Brackets (Priority 10)	0%	19 d	7/26/04	8/19/04	-40 d		
455	Complete Drawings for Remaining LET Brackets	0%	3 d	7/26/04	7/28/04	-40 d	443FS-11 d	456,460
456	Fabrication of Remaining LET Brackets	0%	10 d	7/29/04	8/11/04	-24 d	455	457
457	Inspection and Final Assembly of Remaining LET Brackets	0%	5 d	8/12/04	8/18/04	-24 d	456	458
458	Deliver Remaining LET Brackets to CIT for SEP I&T	0%	1 d	8/19/04	8/19/04	-24 d	457	847
459	Rework of SEP Central MDM side panel (Priority 11)	0%	21 d	7/29/04	8/26/04	-40 d		
460	Complete Drawings for Reworked SEP Central MDM side panels	0%	5 d	7/29/04	8/4/04	-40 d	455	461,465
461	Fabrication of Reworked SEP Central MDM side panels	0%	10 d	8/5/04	8/18/04	-29 d	460	462
462	Inspection and Final Assembly of Reworked SEP Central MDM side panels	0%	5 d	8/19/04	8/25/04	-29 d	461	463
463	Deliver Reworked SEP Central MDM side panels to CIT for SEP I&T	0%	1 d	8/26/04	8/26/04	-29 d	462	847
464	Redesign of HET Housings (Priority 12)	0%	23 d	8/5/04	9/7/04	-40 d		
465	Complete Design/Drawings for Redesign of HET Housings	0%	8 d	8/5/04	8/16/04	-40 d	460	466,470
466	Fabrication of Redesigned HET Housings	0%	10 d	8/17/04	8/30/04	-40 d	465	467
467	Inspection and Final Assembly of Redesigned HET Housings	0%	5 d	8/31/04	9/7/04	-40 d	466	468
468	Deliver Redesigned HET Housings (stays at GSFC)	0%	0 d	9/7/04	9/7/04	-40 d	467	513,515
469	SIT Door (Priority 13)	0%	27 d	8/17/04	9/23/04	-29 d		
470	Complete Design/Drawings for SIT Door	0%	10 d	8/17/04	8/30/04	-29 d	465	471
471	Fabrication	0%	10 d	8/31/04	9/14/04	-29 d	470	472
472	Inspection	0%	5 d	9/15/04	9/21/04	-29 d	471	473
473	Final Assembly	0%	1 d	9/22/04	9/22/04	-29 d	472	474
474	Deliver SIT Door (stay at GSFC for Environmental Testing)	0%	1 d	9/23/04	9/23/04	-29 d	473	697,805
475	LET Radiation Test Fixture (Priority 14)	0%	26 d	8/10/04	9/15/04	-38 d		
476	Design	0%	5 d	8/10/04	8/16/04	-38 d	443	477
477	Fabrication	0%	10 d	8/17/04	8/30/04	-38 d	476	478
478	Inspection and Assembly	0%	10 d	8/31/04	9/14/04	-38 d	477	479
479	Deliver to CIT for SEP I&T	0%	1 d	9/15/04	9/15/04	-38 d	478	19
480	SEP Central - CIT	86%	285 d	8/1/03	9/17/04	-18 d		

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
481	Deliveries	0%	57 d	6/28/04	9/17/04	-18 d		
482	Deliver all SEP Cen FM 1 Boards to SEP I&T (stays at CIT)	100%	0 d	6/28/04	6/28/04	0 d	491,494,501,67FS+19	842
483	Deliver all SEP Cen FM 2 Boards & FM 2 LVPS to SEP I&T (stays at CIT)	100%	0 d	6/29/04	6/29/04	0 d	73,426,492,495,502	859
484	SEP Central Build 3 Software Complete	0%	0 d	7/29/04	7/29/04	17 d	508	842,859
485	Final SEP Central Flight Software Complete	0%	0 d	9/17/04	9/17/04	-40 d	509	19
486	Logic Board	100%	75 d	2/13/04	5/28/04	0 d		
487	Assembly	100%	10 d	2/13/04	2/27/04	0 d		
488	Assemble FM 1 SEP Central Logic board	100%	10 d	2/13/04	2/27/04	0 d		489SS,491
489	Assemble FM 2 SEP Central Logic board	100%	10 d	2/13/04	2/27/04	0 d	488SS	492
490	Test	100%	65 d	3/1/04	5/28/04	0 d		
491	Test FM 1 SEP Central Logic board (initial)	100%	20 d	3/1/04	3/26/04	0 d	488	482
492	Test FM 2 SEP Central Logic board (initial)	100%	65 d	3/1/04	5/28/04	0 d	489	483
493	Analog/Post-Reg Board	100%	0 d	1/27/04	1/27/04	0 d		
494	FM 1 Analog/Post-Reg Board Complete Test and awaiting Conformal Coat wi	100%	0 d	1/27/04	1/27/04	0 d		482
495	FM 2 Analog/Post-Reg Board Complete Test and awaiting Conformal Coat wi	100%	0 d	1/27/04	1/27/04	0 d		483
496	SEP Solid State Detector Bias Supply Board	100%	55 d	1/20/04	4/6/04	0 d		
497	Assembly & Initial Test	100%	40 d	1/20/04	3/16/04	0 d		
498	Assemble and Initial Test FM 1 SSD Bias Supply Board	100%	40 d	1/20/04	3/16/04	0 d		499SS,501
499	Assemble and Initial Test FM 2 SSD Bias Supply Board	100%	40 d	1/20/04	3/16/04	0 d	498SS	502
500	Final Test	100%	15 d	3/17/04	4/6/04	0 d		
501	Final Test FM 1 SSD Bias Supply Board	100%	15 d	3/17/04	4/6/04	0 d	498	482
502	Final Test FM 2 SSD Bias Supply Board	100%	15 d	3/17/04	4/6/04	0 d	499	483
503	Conformal Coat, Mass Properties and Bake Out (SEP Central, LET, SEP LVPS)	0%	15 d	7/21/04	8/10/04	-17 d		
504	Stake/Conformal Coat All SEP Central and LET Boards	0%	8 d	7/21/04	7/30/04	-17 d	891	505
505	Mass Properties/Photo All SEP Central and LET Boards	0%	4 d	8/2/04	8/5/04	-17 d	504	506
506	Bake Out All SEP Central/LET Boards and SEP LVPS FM 1	0%	3 d	8/6/04	8/10/04	-17 d	505,67	847
507	Flight Software	81%	285 d	8/1/03	9/17/04	-35 d		
508	SEP Central Build 3	92%	250 d	8/1/03	7/29/04	-40 d		509,484
509	Final Flight S/W Build	0%	35 d	7/30/04	9/17/04	-40 d	508	485
510	HET - Tycho (GSFC)	89%	173 d	1/6/04	9/9/04	-6 d		
511	Deliveries	60%	52 d	6/28/04	9/9/04	-6 d		
512	Deliver HET FM 1w/o replacement detectors (to CIT for SEP Suite I&T)	100%	2 d	6/28/04	6/29/04	0 d	451,558	843
513	Deliver HET FM 1 w/ replacement detectors & FM 2 after coating (to CIT for S	0%	2 d	9/8/04	9/9/04	-40 d	468,561	846
514	Deliver HET FM 2 w/o replacement detectors (to CIT for SEP Suite I&T)	100%	2 d	6/28/04	6/29/04	0 d	564,451	856
515	Deliver HET FM 2 w/ replacement detectors (to CIT for SEP Suite I&T)	0%	2 d	9/8/04	9/9/04	-6 d	468,567	861
516	Deliver Final HET Flight Software to SEP I&T	100%	2 d	6/28/04	6/29/04	0 d	554	843
517	Detectors (Batch 1)	100%	40 d	1/6/04	3/3/04	0 d		
518	Receive & Inspect HET Flight Detectors	100%	40 d	1/6/04	3/3/04	0 d		520SS
519	Detector Testing	100%	40 d	1/6/04	3/3/04	0 d		
520	Capacitance, Current, Depletion, Alpha Resolution Testing	100%	40 d	1/6/04	3/3/04	0 d	518SS	521SS

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
521	Life Test HET Detectors	100%	40 d	1/6/04	3/3/04	0 d	520SS	557,563
522	Replacement HET Detectors (Batch 2)	73%	109 d	3/12/04	8/13/04	0 d		
523	Receive H1 Detector Mounts	100%	0 d	3/12/04	3/12/04	0 d		525
524	Receive H3 Detector Mounts	100%	0 d	3/26/04	3/26/04	0 d		525
525	Detector Mounting at Micron	100%	20 d	4/15/04	5/12/04	0 d	523,524	526
526	Detector Delivery to GSFC	100%	32 d	5/13/04	6/28/04	0 d	525	527FS-20 d
527	Detector Testing at GSFC	51%	63 d	5/17/04	8/13/04	-26 d	526FS-20 d	560,566
528	Electronics Board	76%	138 d	1/22/04	8/5/04	14 d		
529	Assembly	100%	38 d	1/22/04	3/16/04	0 d		
530	Install Socket on HET Electronics FM 1 Board for ETU ACTEL	100%	1 d	1/22/04	1/22/04	0 d		531
531	Complete Population of HET Electronics FM 1 Board (ETU ACTEL)	100%	1 d	1/23/04	1/23/04	0 d	530	535,532
532	Complete Population of HET Electronics FM 2 Board (Flight ACTEL)	100%	2 d	3/15/04	3/16/04	0 d	531,538,576	542
533	Test	75%	136 d	1/26/04	8/5/04	14 d		
534	FM 1	77%	136 d	1/26/04	8/5/04	-20 d		
535	Test HET FM 1 Electronics Board w/ETU ACTEL	100%	23 d	1/26/04	2/26/04	0 d	531	542,536
536	Remove ETU ACTEL and socket from HET FM 1 Electronics Board	100%	0.5 d	2/27/04	2/27/04	0 d	535	537
537	Install Flight ACTEL on HET FM 1 Electronics Board	100%	0.5 d	2/27/04	2/27/04	0 d	536	538
538	Retest HET FM 1 Electronics Board w/Flight ACTEL	100%	10 d	3/1/04	3/12/04	0 d	537	539FS+61 d,532
539	Clean, Bake, Conformal Coat HET FM 1 Electronics Board	0%	5 d	7/23/04	7/29/04	-20 d	538FS+61 d,559	540
540	Retest Conformal Coated HET FM 1 Electronics Board	0%	5 d	7/30/04	8/5/04	-20 d	539	560
541	FM 2	71%	100 d	3/17/04	8/5/04	14 d		
542	Test HET FM 2 Electronics Board	100%	25 d	3/17/04	4/20/04	0 d	532,535	563
543	Clean, Bake, Conformal Coat HET FM 2 Electronics Board	0%	5 d	7/23/04	7/29/04	14 d	565	544
544	Retest Conformal Coated HET FM 2 Electronics Board	0%	5 d	7/30/04	8/5/04	14 d	543	566
545	Flight Software	100%	110 d	1/22/04	6/25/04	0 d		
546	Design	100%	71 d	1/22/04	4/30/04	0 d		
547	Complete Definition of HET PH Event Processing	100%	22 d	1/22/04	2/23/04	0 d		550
548	Design Change of HET PH Event Processing	100%	20 d	4/5/04	4/30/04	0 d		554
549	Coding	100%	64 d	2/24/04	5/21/04	0 d		
550	Code HET PH Event Processing Update for Flight	100%	59 d	2/24/04	5/14/04	0 d	547	551FS-15 d
551	Code HET Telemetry Formatting Update for Flight	100%	34 d	3/12/04	5/21/04	0 d	550FS-15 d	561
552	Test	100%	68 d	3/23/04	6/25/04	0 d		
553	Test Integrated HET S/W with Simulated Data	100%	63 d	3/23/04	6/18/04	0 d		554
554	Verify HET On-Board Software	100%	5 d	6/21/04	6/25/04	0 d	548,553	557FS-10 d,563FS-1
555	Integration & Test	71%	41 d	6/21/04	8/17/04	8 d		
556	FM 1	71%	41 d	6/21/04	8/17/04	-26 d		
557	Integrate HET FM 1 Electronics Telescope (Ahead)	100%	3 d	6/21/04	6/23/04	0 d	521,554FS-10 d,441	558
558	Test HET FM 1 Telescope (Ahead)	100%	2 d	6/24/04	6/25/04	0 d	557	512
559	Receive HET FM1 from CIT	0%	0 d	7/22/04	7/22/04	-20 d	890	560,539
560	Install new HET Flight Detectors in FM 1	0%	1 d	8/16/04	8/16/04	-26 d	527,559,540	561

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
561	Performance Test FM 1 with New Flight Detectors	0%	1 d	8/17/04	8/17/04	-26 d	560,551	513
562	FM 2	71%	41 d	6/21/04	8/17/04	8 d		
563	Integrate HET FM 2 Electronics Telescope (Behind)	100%	3 d	6/21/04	6/23/04	0 d	521,554FS-10 d,441,5	564
564	Test HET FM 2 Telescope (Behind)	100%	2 d	6/24/04	6/25/04	0 d	563	514
565	Receive HET FM2 from CIT	0%	0 d	7/22/04	7/22/04	14 d	892	566,543
566	Install new HET Flight Detectors in FM 2	0%	1 d	8/16/04	8/16/04	8 d	527,565,544	567
567	Performance Test FM 2 with New Flight Detectors	0%	1 d	8/17/04	8/17/04	8 d	566	515
568	LET - CIT	100%	245 d	7/14/03	7/1/04	0 d		
569	Deliveries	100%	4 d	6/25/04	7/1/04	0 d		
570	Deliver LET FM 1 (stays at CIT for SEP I&T)	100%	0 d	7/1/04	7/1/04	0 d	588	845
571	Deliver LET FM 2 (stays at CIT for SEP I&T)	100%	0 d	7/1/04	7/1/04	0 d	590	858
572	Deliver LET Flight Software Build 3	100%	0 d	6/25/04	6/25/04	0 d	585	858
573	Detectors	100%	167 d	7/14/03	3/12/04	0 d		
574	Complete LET Flight Detector Testing	100%	167 d	7/14/03	3/12/04	0 d		588,590
575	Hybrids	100%	144 d	8/1/03	3/1/04	0 d		
576	Complete Test of Flight Hybrids (LET and to GSFC for HET FM 2)	100%	144 d	8/1/03	3/1/04	0 d		579,580,532
577	Detector/Misc Board	100%	82 d	3/2/04	6/24/04	0 d		
578	Assembly	100%	10 d	3/2/04	3/15/04	0 d		
579	Assemble LET FM 1 Detector Board	100%	10 d	3/2/04	3/15/04	0 d	576	582
580	Assemble LET FM 2 Detector Board	100%	10 d	3/2/04	3/15/04	0 d	576	583
581	Test	100%	72 d	3/16/04	6/24/04	0 d		
582	Test LET FM 1 Detector Board	100%	72 d	3/16/04	6/24/04	0 d	579	588
583	Test LET FM 2 Detector Board	100%	72 d	3/16/04	6/24/04	0 d	580	590
584	Flight Software	100%	227 d	8/1/03	6/25/04	0 d		
585	Let Flight Software Build 3	100%	227 d	8/1/03	6/25/04	0 d		572
586	Integration & Test	100%	3 d	6/29/04	7/1/04	0 d		
587	FM 1	100%	3 d	6/29/04	7/1/04	0 d		
588	Integrate LET FM 1 Housing With Detectors	100%	3 d	6/29/04	7/1/04	0 d	574,431,582	570
589	FM 2	100%	3 d	6/29/04	7/1/04	0 d		
590	Integrate LET FM 2 Housing With Detectors	100%	3 d	6/29/04	7/1/04	0 d	574,431,583	571
591	SEPT - Kiel/ESTEC	76%	328 d	8/8/03	11/29/04	-26 d		
592	Deliveries	0%	67 d	8/23/04	11/29/04	-31 d		
593	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	640	852
594	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	656	852
595	Final Delivery of SEPT FM 1 to APL	0%	2 d	11/12/04	11/15/04	-26 d	626,644,660	7
596	Deliver SEPT-NS FM 2 to CIT for Suite EMC and final delivery to APL	0%	5 d	11/22/04	11/29/04	-26 d	677	881
597	Deliver SEPT-E FM 2 to CIT for Suite EMC and final delivery to APL	0%	5 d	11/22/04	11/29/04	-26 d	693	881
598	Mechanical Assembly	100%	46 d	12/22/03	2/27/04	0 d		
599	FM 1	100%	13 d	12/22/03	1/9/04	0 d		
600	Assemble SEPT-NS FM 1 Sensor and E-Box Housing	100%	13 d	12/22/03	1/9/04	0 d		603SS+4 d,630

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
601	Assemble SEPT-E FM 1 Sensor and E-Box Housing	100%	13 d	12/22/03	1/9/04	0 d		604SS+4 d,646
602	FM 2	100%	14 d	12/29/03	1/16/04	0 d		
603	Assemble SEPT-NS FM 2 Sensor and E-Box Housing	100%	14 d	12/29/03	1/16/04	0 d	600SS+4 d	606,663
604	Assemble SEPT-E FM 2 Sensor and E-Box Housing	100%	14 d	12/29/03	1/16/04	0 d	601SS+4 d	606
605	Spare	100%	28 d	1/20/04	2/27/04	0 d		
606	Assemble SEPT Spare Sensor and E-Box Housing	100%	28 d	1/20/04	2/27/04	0 d	603,604	
607	Electronics	91%	272 d	8/8/03	9/7/04	19 d		
608	Assembly	100%	172 d	8/8/03	4/15/04	0 d		
609	FM 2	100%	106 d	8/8/03	1/12/04	0 d		
610	Assemble SEPT-NS FM 2 Electronics	100%	106 d	8/8/03	1/12/04	0 d		613SS,616
611	Assemble SEPT-E FM 2 Electronics	100%	92 d	8/8/03	12/19/03	0 d		617FS-7 d
612	Spare	100%	172 d	8/8/03	4/15/04	0 d		
613	Assemble SEPT FS Electronics	100%	172 d	8/8/03	4/15/04	0 d	610SS	624
614	Test	73%	187 d	12/11/03	9/7/04	19 d		
615	FM 2	69%	183 d	12/11/03	8/31/04	19 d		
616	SEPT-NS FM 2 Electronics Test	100%	4 d	1/13/04	1/16/04	0 d	610	618
617	SEPT-E FM 2 Electronics Test	100%	4 d	12/11/03	12/16/03	0 d	611FS-7 d	619
618	Coat SEPT-NS FM 2 Electronics Board	100%	4 d	1/20/04	1/23/04	0 d	616	620
619	Coat SEPT-E FM 2 Electronics Board	100%	5 d	12/17/03	12/23/03	0 d	617	621
620	SEPT-NS FM 2 Mechanical Integration	100%	5 d	1/26/04	1/30/04	0 d	618	
621	SEPT-E FM 2 Mechanical Integration	100%	13 d	12/24/03	1/13/04	0 d	619	
622	Repair SEPT-NS FM 2 Electronic Board for use as Spare	59%	104 d	4/6/04	8/31/04	19 d	668SS	626
623	Spare	89%	94 d	4/26/04	9/7/04	19 d		
624	SEPT Flight Spare Electronics Test	100%	5 d	4/26/04	4/30/04	0 d	613	625
625	Coat SEPT FS Electronics Board	100%	29 d	5/10/04	6/18/04	0 d	624	626,672
626	SEPT FS Mechanical Integration	0%	4 d	9/1/04	9/7/04	19 d	625,622	595
627	Integration & Test	62%	218 d	1/12/04	11/19/04	-26 d		
628	FM 1	62%	212 d	1/12/04	11/10/04	-26 d		
629	SEPT-NS	62%	203 d	1/26/04	11/10/04	-26 d		
630	SEPT-NS FM 1 Integration & Test	100%	5 d	1/26/04	1/30/04	0 d	600	631
631	Muon and Radioactive Source Test	100%	5 d	2/2/04	2/6/04	0 d	630	632
632	SEPT-NS FM 1 Vibration	100%	4 d	2/19/04	2/24/04	0 d	631	633FS+2 d,38SS,66t
633	SEPT-NS FM 1 Thermal Vac	100%	11 d	2/27/04	3/12/04	0 d	632FS+2 d	634FS-6 d,39SS,649
634	SEPT-NS FM 1 Bake Out	100%	2 d	3/5/04	3/8/04	0 d	633FS-6 d	40SS,635FS+20 d
635	SEPT-NS FM 1 Repair	76%	82 d	4/6/04	7/30/04	-20 d	634FS+20 d	639
636	SEPT-NS FM 1 Initial Repair	100%	45 d	4/6/04	6/8/04	0 d		637
637	SEPT-NS FM 1 Titanium Parts Repair (GSFC)	100%	17 d	6/9/04	7/1/04	0 d	636	638
638	SEPT-NS FM 1 Final Repair	0%	20 d	7/2/04	7/30/04	-31 d	637	
639	SEPT-NS FM 1 Post Repair Integration & Test	0%	5 d	8/2/04	8/6/04	-31 d	635	672,640
640	Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	639,673SS	593

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
641	SEPT-NS FM 1 Install Thermal H/W (GSFC)	0%	4 d	10/6/04	10/12/04	-26 d	19	642,674SS
642	SEPT-NS FM 1 Thermal Balance (at GSFC after Suite EMC)	0%	10 d	10/13/04	10/26/04	-26 d	641	41SS,643
643	SEPT-NS FM 1 Post Repair Vibration (ESTEC)	0%	5 d	10/27/04	11/2/04	-26 d	642	644
644	SEPT-NSFM 1 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/3/04	11/10/04	-27 d	643	595,677
645	SEPT-E	62%	212 d	1/12/04	11/10/04	-26 d		
646	SEPT-E FM 1 Integration & Test	100%	5 d	1/12/04	1/16/04	0 d	601	647,679SS
647	Muon and Radioactive Source Test	100%	5 d	1/29/04	2/4/04	0 d	646	648,680SS
648	SEPT-E FM 1 Vibration	100%	4 d	2/19/04	2/24/04	0 d	647,632SS	649
649	SEPT-E FM 1 Thermal Vac	100%	11 d	2/27/04	3/12/04	0 d	648,633SS	650FS-6 d,39SS
650	SEPT-E FM 1 Bake Out	100%	2 d	3/5/04	3/8/04	0 d	649FS-6 d	40SS,651FS+20 d
651	SEPT-E FM 1 Repair	76%	82 d	4/6/04	7/30/04	-20 d	650FS+20 d	655
652	SEPT-E FM 1 Initial Repair	100%	45 d	4/6/04	6/8/04	0 d		653
653	SEPT-E FM 1 Titanium Parts Repair (at GSFC then shipped ba	100%	17 d	6/9/04	7/1/04	0 d	652	654
654	SEPT-E FM 1 Final Repair	0%	20 d	7/2/04	7/30/04	-31 d	653	
655	SEPT-E FM 1 Post Repair Integration & Test	0%	5 d	8/2/04	8/6/04	-31 d	651	688,656
656	Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	655,689SS	594
657	SEPT-E FM 1 Install Thermal H/W (GSFC)	0%	4 d	10/6/04	10/12/04	-26 d	19	658,690SS
658	SEPT-E FM 1 Thermal Balance (at GSFC after Suite EMC)	0%	10 d	10/13/04	10/26/04	-26 d	657,691SS	41SS,659
659	SEPT-E FM1 Post Repair Vibration (ESTEC)	0%	5 d	10/27/04	11/2/04	-26 d	658	660
660	SEPT-E FM1 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/3/04	11/10/04	-27 d	659	595,693
661	FM 2	62%	218 d	1/12/04	11/19/04	-26 d		
662	SEPT-NS	62%	213 d	1/20/04	11/19/04	-26 d		
663	SEPT-NS FM 2 Integration & Test	100%	8 d	1/20/04	1/29/04	0 d	603	664
664	Muon and Radioactive Source Test	100%	6 d	1/30/04	2/6/04	0 d	663	665
665	SEPT-NS FM 2 Vibration	100%	4 d	2/19/04	2/24/04	0 d	664,632SS	666,52SS
666	SEPT-NS FM 2 Thermal Vac	100%	9 d	3/5/04	3/17/04	0 d	665	667FS-4 d,53SS,682
667	SEPT-NS FM 2 Bake Out	100%	2 d	3/12/04	3/15/04	0 d	666FS-4 d	54SS,668FS+15 d
668	SEPT-NS FM 2 Repair	76%	82 d	4/6/04	7/30/04	-20 d	667FS+15 d	622SS,672
669	SEPT-NS FM 2 Initial Repair	100%	45 d	4/6/04	6/8/04	0 d		670
670	SEPT-NS FM 2 Titanium Parts Repair (at GSFC then shipped t	100%	17 d	6/9/04	7/1/04	0 d	669	671
671	SEPT-NS FM 2 Final Repair	0%	20 d	7/2/04	7/30/04	-26 d	670	
672	SEPT-NS FM 2 Post Repair Integration & Test	0%	5 d	8/9/04	8/13/04	-31 d	625,668,639	673
673	Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	672	640SS,674
674	SEPT-NS FM 2 Install Thermal H/W (GSFC)	0%	4 d	10/6/04	10/12/04	-20 d	673,641SS	675
675	SEPT-NS FM 2 Thermal Balance (GSFC)	0%	10 d	10/13/04	10/26/04	-20 d	674	676
676	SEPT-NS FM 2 Post Repair Vibration (ESTEC)	0%	5 d	10/27/04	11/2/04	-20 d	675	677
677	SEPT-NS FM 2 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/12/04	11/19/04	-26 d	676,644	596
678	SEPT-E	61%	218 d	1/12/04	11/19/04	-26 d		
679	SEPT-E FM 2 Integration & Test	100%	5 d	1/12/04	1/16/04	0 d	646SS	680
680	Muon and Radioactive Source Test	100%	5 d	1/29/04	2/4/04	0 d	679,647SS	681

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
681	SEPT-E FM 2 Vibration	100%	4 d	2/19/04	2/24/04	0 d	680,632SS	682
682	SEPT-E FM 2 Thermal Vac	100%	9 d	3/5/04	3/17/04	0 d	681,666SS	683FS-4 d,53SS
683	SEPT-E FM 2 Bake Out	100%	2 d	3/12/04	3/15/04	0 d	682FS-4 d	54SS,684FS+15 d
684	SEPT-E FM 2 Repair	76%	82 d	4/6/04	7/30/04	-20 d	683FS+15 d	688
685	SEPT-E FM 2 Initial Repair	100%	45 d	4/6/04	6/8/04	0 d		686
686	SEPT-E FM 2 Titanium Parts Repair (at GSFC then shipped ba	100%	17 d	6/9/04	7/1/04	0 d	685	688,687
687	SEPT-E FM 2 Final Repair	0%	20 d	7/2/04	7/30/04	-26 d	686	
688	SEPT-E FM 2 Post Repair Integration & Test	0%	5 d	8/9/04	8/13/04	-31 d	686,684,655	689
689	Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	688	656SS
690	SEPT-E FM 2 Install Thermal H/W (GSFC)	0%	4 d	10/6/04	10/12/04	-26 d	657SS	691
691	SEPT-E FM 2 Thermal Balance (GSFC)	0%	10 d	10/13/04	10/26/04	-26 d	690	692,658SS
692	SEPT-E FM 2 Post Repair Vibration (ESTEC)	0%	5 d	10/27/04	11/2/04	-20 d	691	693
693	SEPT-E FM 2 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/12/04	11/19/04	-26 d	692,660	597
694	SIT - UMD	82%	387 d	6/2/03	12/14/04	-36 d		
695	Deliveries	0%	61 d	9/16/04	12/14/04	-40 d		
696	Deliver SIT FM 1 to CIT for SEP I&T and Suite EMC	0%	2 d	9/16/04	9/17/04	-40 d	452,781	829,850
697	Deliver SIT FM 1 back to GSFC for Environmental Testing (after EMC Test)	0%	2 d	10/6/04	10/7/04	-37 d	19,474	808,805
698	Final Delivery of SIT FM 1 to APL	0%	1 d	12/1/04	12/1/04	-37 d	815	7
699	Final Delivery of SIT FM 2 to CIT for Suite EMC	0%	1 d	12/14/04	12/14/04	-36 d	823,829	882
700	ACTEL - for SIT Logic Board	100%	1 d	5/24/04	5/24/04	0 d		
701	Burn Final SIT ACTEL Chip w/latest algorithm (at GSFC)	100%	1 d	5/24/04	5/24/04	0 d		702
702	Evaluate (Test) SIT Final ACTEL Chip	100%	0 d	5/24/04	5/24/04	0 d	701	731,733
703	TOF Boards	88%	119 d	2/12/04	7/30/04	-10 d		
704	Receive Analog and Digital TOF Boards (FM 1)	100%	0 d	2/12/04	2/12/04	0 d		708,710
705	Receive Analog and Digital TOF Boards (FM 2)	100%	20 d	3/25/04	5/28/04	0 d	708FS+32 d	710FS+38 d
706	Test	78%	108 d	3/1/04	7/30/04	-10 d		
707	FM 1	100%	18 d	3/1/04	3/24/04	0 d		
708	FM 1 TOF Boards Functional Test	100%	18 d	3/1/04	3/24/04	0 d	704	789,705FS+32 d
709	FM 2	0%	5 d	7/26/04	7/30/04	-10 d		
710	FM 2 TOF Boards Functional Test	0%	5 d	7/26/04	7/30/04	-10 d	704,705FS+38 d	798
711	Energy Board	100%	143 d	11/10/03	6/4/04	0 d		
712	Assembly	100%	114 d	11/10/03	4/23/04	0 d		
713	FM 1	100%	92 d	11/10/03	3/24/04	0 d		
714	Assemble FM 1 Energy Board	100%	92 d	11/10/03	3/24/04	0 d		719,716FF+22 d
715	FM 2	100%	114 d	11/10/03	4/23/04	0 d		
716	Assemble FM 2 Energy Board	100%	82 d	11/10/03	4/23/04	0 d	714FF+22 d	723
717	Test	100%	51 d	3/25/04	6/4/04	0 d		
718	FM 1	100%	50 d	3/25/04	6/3/04	0 d		
719	Bench Test/Calibration	100%	47 d	3/25/04	5/28/04	0 d	714	720
720	Thermal	100%	3 d	6/1/04	6/3/04	0 d	719	721SS

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
721	Voltage Margin	100%	2 d	6/1/04	6/2/04	0 d	720SS	723FS-5 d,789
722	FM 2	100%	7 d	5/26/04	6/4/04	0 d		
723	FM 2 Energy Board Functional Test	100%	7 d	5/26/04	6/4/04	0 d	716,721FS-5 d	798
724	Logic Board	94%	175 d	11/10/03	7/21/04	-3 d		
725	Design	100%	3 d	11/17/03	11/19/03	0 d		
726	Layout new Logic Board Design	100%	3 d	11/17/03	11/19/03	0 d		728
727	Fabrication	100%	10 d	3/8/04	3/19/04	0 d		
728	FM 1 & FM 2 Logic Board Fabrication	100%	10 d	3/8/04	3/19/04	0 d	726,736	738
729	Assembly	73%	35 d	5/25/04	7/14/04	-3 d		
730	FM 1	100%	8 d	5/25/04	6/4/04	0 d		
731	Assemble FM 1 Logic Board with Flight ACTELS	100%	8 d	5/25/04	6/4/04	0 d	738,702	740
732	FM 2	0%	3 d	7/12/04	7/14/04	-3 d		
733	Assemble FM 2 Logic Board with Flight ACTELS	0%	3 d	7/12/04	7/14/04	-3 d	738,702,740FS+13 d	742
734	Test	95%	175 d	11/10/03	7/21/04	-3 d		
735	ETU	100%	79 d	11/10/03	3/5/04	0 d		
736	Test New ETU Logic Board	100%	79 d	11/10/03	3/5/04	0 d		728
737	FM1 & FM 2	100%	8 d	3/22/04	3/31/04	0 d		
738	Coupon Testing	100%	8 d	3/22/04	3/31/04	0 d	728	731,733
739	FM 1	100%	11 d	6/7/04	6/21/04	0 d		
740	Functional Test of FM 1 Logic Board w/Flight ACTELS	100%	11 d	6/7/04	6/21/04	0 d	731	789,733FS+13 d
741	FM 2	0%	5 d	7/15/04	7/21/04	-3 d		
742	Functional Test of FM 2 Logic Board w/Flight ACTELS	0%	5 d	7/15/04	7/21/04	-3 d	733	798
743	Mother Board	100%	127 d	12/22/03	6/22/04	0 d		
744	Design	100%	67 d	12/22/03	3/29/04	0 d		
745	FM 1 & FM 2	100%	67 d	12/22/03	3/29/04	0 d		
746	Finalize Mother Board Layout	100%	30 d	12/22/03	2/4/04	0 d		747
747	Redesign Mother Board Layout	100%	17 d	3/5/04	3/29/04	0 d	746,757	751
748	Fabrication	100%	52 d	2/5/04	4/19/04	0 d		
749	FM 1 & FM 2	100%	52 d	2/5/04	4/19/04	0 d		
750	Fabricate FM 1 & FM 2 Mother Boards	100%	15 d	2/5/04	2/26/04	0 d		753
751	Refabricate FM1 & FM2 Mother Boards	100%	15 d	3/30/04	4/19/04	0 d	757,747	758
752	Assembly	100%	10 d	5/10/04	5/21/04	0 d		
753	Assemble FM 1 Mother Board	100%	10 d	5/10/04	5/21/04	0 d	750,758FS+9 d	754SS,760FS+14 d
754	Assemble FM 2 Mother Board	100%	10 d	5/10/04	5/21/04	0 d	753SS	762
755	Test	100%	82 d	2/27/04	6/22/04	0 d		
756	FM 1 & FM 2	100%	42 d	2/27/04	4/26/04	0 d		
757	Coupon Testing of Mother Boards	100%	5 d	2/27/04	3/4/04	0 d		751,747
758	Coupon Testing of 2nd Mother Boards	100%	5 d	4/20/04	4/26/04	0 d	751	753FS+9 d
759	FM 1	100%	7 d	6/14/04	6/22/04	0 d		
760	Functional Test FM 1 Mother Board	100%	7 d	6/14/04	6/22/04	0 d	753FS+14 d	762SS+1 d,789

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
761	FM 2	100%	6 d	6/15/04	6/22/04	0 d		
762	Functional Test FM 2 Mother Board	100%	6 d	6/15/04	6/22/04	0 d	754,760SS+1 d	768,798
763	HVPS	75%	164 d	1/12/04	9/1/04	-36 d		
764	Test	75%	164 d	1/12/04	9/1/04	-36 d		
765	FM 1	100%	30 d	1/12/04	2/24/04	0 d		
766	Functional Test SIT FM 1 HVPS	100%	30 d	1/12/04	2/24/04	0 d	70	788
767	FM 2	0%	10 d	8/19/04	9/1/04	-36 d		
768	Functional Test SIT FM 2 HVPS	0%	10 d	8/19/04	9/1/04	-36 d	76,762	797
769	Flight Software	100%	235 d	6/2/03	5/6/04	0 d		
770	Test	100%	235 d	6/2/03	5/6/04	0 d		
771	FM 1 & FM 2	100%	235 d	6/2/03	5/6/04	0 d		
772	Validate SIT On-Board Code	100%	235 d	6/2/03	5/6/04	0 d		795
773	Integration & Test (using ETU Telescope for FM 1)	9%	174 d	2/25/04	10/29/04	-36 d		
774	FM 1 (Flight Telescope)	0%	25 d	8/11/04	9/15/04	-25 d		
775	Disassemble SIT FM 1	0%	1 d	8/17/04	8/17/04	-8 d	795	776
776	Conformal Coat SIT FM 1 Boards (includes FM 1 LVPS)	0%	2 d	8/18/04	8/19/04	-8 d	775	777
777	Reassemble SIT FM 1	0%	1 d	8/20/04	8/20/04	-8 d	776	778
778	SIT FM 1 end-to-end test at Accelerator w/ ETU Telescope (at Brookhav	0%	3 d	8/11/04	8/13/04	-8 d	777	779
779	Reassemble SIT FM 1 with Flight Telescope	0%	2 d	9/1/04	9/2/04	-40 d	412,446,778	780
780	Bench Calibration SIT FM 1 w/Flight Telescope	0%	3 d	9/3/04	9/8/04	-40 d	779	781
781	Vacuum Test SIT FM 1 w/Flight Telescope	0%	5 d	9/9/04	9/15/04	-40 d	780	696
782	FM 2	0%	9 d	10/19/04	10/29/04	-36 d		
783	Disassemble SIT FM 2	0%	1 d	10/19/04	10/19/04	-36 d	804	784
784	Conformal Coat SIT FM 2 Boards	0%	2 d	10/20/04	10/21/04	-36 d	783	785
785	Reassemble SIT FM 2	0%	1 d	10/22/04	10/22/04	-36 d	784	786
786	Post-Coat Retest SIT FM 2	0%	5 d	10/25/04	10/29/04	-36 d	785	817
787	FM 1 (ETU Telescope)	22%	122 d	2/25/04	8/16/04	-8 d		
788	Integrate SIT FM 1 HVPS and SIT ETU Telescope Without Electronics	100%	3 d	2/25/04	2/27/04	0 d	766	789
789	Integrate Electronics to SIT ETU Telescope	50%	12 d	6/23/04	7/9/04	-8 d	740,708,760,721,788	790
790	SIT FM 1 Debug	0%	5 d	7/12/04	7/16/04	-8 d	789	791
791	SIT FM 1 Bench Test	0%	5 d	7/19/04	7/23/04	-8 d	790	792
792	SIT FM 1 Alpha TEST	0%	5 d	7/26/04	7/30/04	-8 d	791	793
793	SIT FM 1 Noise Removal	0%	5 d	8/2/04	8/6/04	-8 d	792	794,802
794	SIT FM 1 Thermal Test	0%	5 d	8/9/04	8/13/04	-8 d	793	795
795	SIT FM 1 Functional Test	0%	1 d	8/16/04	8/16/04	-8 d	794,772	775
796	FM 2	0%	31 d	9/2/04	10/18/04	-36 d		
797	Integrate SIT FM 2 HVPS and SIT FM 2 Telescope Without Electronics	0%	3 d	9/2/04	9/7/04	-36 d	768,412,446	798
798	Integrate Electronics to SIT FM 2 Telescope	0%	2 d	9/8/04	9/9/04	-36 d	742,710,762,723,797	799
799	SIT FM 2 Debug	0%	5 d	9/10/04	9/16/04	-36 d	798	800
800	SIT FM 2 Bench Test	0%	5 d	9/17/04	9/23/04	-36 d	799	801

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
801	SIT FM 2 Alpha Test	0%	5 d	9/24/04	9/30/04	-36 d	800	802
802	SIT FM 2 Noise Removal	0%	5 d	10/1/04	10/7/04	-36 d	801,793	803
803	SIT FM 2 Thermal Test	0%	5 d	10/8/04	10/15/04	-36 d	802	804
804	SIT FM 2 Functional Test	0%	1 d	10/18/04	10/18/04	-36 d	803	783
805	Integrate SIT Door FM 1	0%	1 d	10/8/04	10/8/04	-37 d	697,474	806,808
806	Integrate SIT Door FM 2	0%	1 d	10/12/04	10/12/04	-23 d	805	817
807	Environmental Testing at GSFC (FM 1)	0%	34 d	10/12/04	11/30/04	-37 d		
808	SIT FM 1 Vibration and Acoustics	0%	10 d	10/12/04	10/25/04	-37 d	697,805	809,43SS
809	Functional Test	0%	1 d	10/26/04	10/26/04	-37 d	808	810
810	SIT FM 1 Thermal Balance	0%	5 d	10/27/04	11/2/04	-37 d	809	811,45SS
811	SIT FM 1 Thermal Vac	0%	10 d	11/3/04	11/17/04	-37 d	810	812,47SS
812	Disassemble SIT Instruments	0%	2 d	11/18/04	11/19/04	-37 d	811	813
813	Bake Out	0%	3 d	11/22/04	11/24/04	-37 d	812	814,49SS
814	Reassemble Instruments	0%	2 d	11/26/04	11/29/04	-37 d	813	815
815	Functional Test	0%	1 d	11/30/04	11/30/04	-37 d	814	698
816	Environmental Testing at GSFC (FM 2)	0%	29 d	11/1/04	12/13/04	-36 d		
817	SIT FM 2 Vibration and Acoustics	0%	10 d	11/1/04	11/15/04	-36 d	806,786	818,59SS
818	Functional Test	0%	1 d	11/16/04	11/16/04	-36 d	817	819
819	SIT FM 2 Thermal Vac	0%	10 d	11/17/04	12/1/04	-36 d	818	820,61SS
820	Disassemble SIT Instruments	0%	2 d	12/2/04	12/3/04	-36 d	819	821
821	Bake Out	0%	3 d	12/6/04	12/8/04	-36 d	820	822,62SS
822	Reassemble Instruments	0%	2 d	12/9/04	12/10/04	-36 d	821	823
823	Functional Test	0%	1 d	12/13/04	12/13/04	-36 d	822	699
824	Emulators/Simulators/GSE	84%	231 d	12/17/03	11/16/04	-18 d		
825	Simulators	100%	104 d	12/17/03	5/14/04	0 d		
826	Labview CPU Ready	100%	104 d	12/17/03	5/14/04	0 d		827SS
827	Test Simulator	100%	104 d	12/17/03	5/14/04	0 d	826SS	829
828	GSE	0%	40 d	9/20/04	11/16/04	-18 d		
829	Pulse Generator	0%	40 d	9/20/04	11/16/04	-18 d	696,827	699
830	SEP Suite I&T - CIT	63%	348 d	8/1/03	12/20/04	-35 d		
831	ETU	100%	5 d	1/26/04	1/30/04	0 d		
832	Complete Integration/Test of SEP Central EM with Sensors	100%	5 d	1/26/04	1/30/04	0 d		
833	FM 1 & FM 2	29%	63 d	6/16/04	9/14/04	-36 d		
834	Generate HET integration & test procedure	100%	5 d	6/17/04	6/23/04	0 d	843FS-10 d	844,857
835	Generate LET integration & test procedure	100%	5 d	6/16/04	6/22/04	0 d	844FS-10 d	845,858
836	Generate SEPT integration & test procedure	0%	5 d	8/30/04	9/3/04	-35 d	852FS-10 d	853
837	Generate SEP-IDPU integration procedure	0%	5 d	8/27/04	9/2/04	-39 d	846FS-10 d	838,848,862
838	Generate SEP-IDPU test procedure	0%	5 d	9/3/04	9/10/04	-39 d	837	849,863
839	Generate SIT integration & test procedure	0%	5 d	9/7/04	9/13/04	-35 d	850FS-10 d	851
840	Generate SEP system test procedure	0%	5 d	9/8/04	9/14/04	-40 d	851FS-10 d	854,864

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
841	FM 1	25%	59 d	6/29/04	9/21/04	-40 d		
842	Integrate/test SEP Central FM 1	100%	2 d	7/1/04	7/2/04	0 d	482,484,422	844FS-4 d
843	Receive & inspect HET FM 1	100%	1 d	6/30/04	6/30/04	0 d	512,516	834FS-10 d
844	Integrate & test HET FM 1	100%	1 d	6/29/04	6/29/04	0 d	834,842FS-4 d	845,835FS-10 d
845	Integrate & test LET FM 1	0%	1 d	7/2/04	7/2/04	-38 d	844,835,570	886
846	Re-integrate & test HET FM 1 w/ Flight detectors	0%	1 d	9/10/04	9/10/04	-40 d	513,886	852,837FS-10 d
847	Re-integrate & Test LET/SEP Central FM 1	0%	1 d	8/27/04	8/27/04	-29 d	506,458,463	854
848	Integrate SEP FM 1 - IDPU FM 1	0%	1 d	9/15/04	9/15/04	-42 d	837,398	849
849	Test SEP FM 1 - IDPU FM 1	0%	1 d	9/16/04	9/16/04	-42 d	848,838	854
850	Receive & inspect SIT FM 1	0%	1 d	9/20/04	9/20/04	-40 d	696	851,839FS-10 d
851	Integrate & test SIT FM 1	0%	1 d	9/21/04	9/21/04	-40 d	850,839	840FS-10 d
852	Receive & inspect SEPT FM 1	0%	1 d	9/13/04	9/13/04	-40 d	593,594,846	853,836FS-10 d
853	Integrate & test SEPT FM 1	0%	1 d	9/14/04	9/14/04	-40 d	852,836	854
854	SEP system test FM 1	0%	3 d	9/17/04	9/21/04	-42 d	840,853,849,847	19
855	FM 2	7%	56 d	6/30/04	9/17/04	-8 d		
856	Receive & inspect HET FM 2	100%	1 d	6/30/04	6/30/04	0 d	514	857
857	Integrate & test HET FM 2	0%	1 d	7/1/04	7/1/04	36 d	856,834	859
858	Integrate & test LET FM 2	0%	1 d	7/2/04	7/2/04	-38 d	571,572,835	859,887
859	Integrate/test SEP Central FM 2	0%	5 d	7/30/04	8/5/04	17 d	483,484,422,858,857	860
860	Re-integrate SEP FM 2 LVPS after Coat and Stake	0%	1 d	8/10/04	8/10/04	15 d	859,144	861
861	Re-integrate HET FM 2 after Confromal Coating	0%	1 d	9/10/04	9/10/04	-6 d	860,515	864
862	Integrate SEP FM 2 - IDPU FM 2	0%	1 d	9/3/04	9/3/04	-3 d	210,837	863
863	Test SEP FM 2 - IDPU FM 2	0%	1 d	9/13/04	9/13/04	-7 d	862,838	864,227FS+2 d
864	SEP FM 2 system test	0%	3 d	9/15/04	9/17/04	-8 d	840,863,861	876
865	Environmental Test (at JPL)	4%	121 d	6/28/04	12/20/04	-35 d		
866	Generate Environmental Test Procedures	20%	15 d	6/28/04	7/19/04	16 d		869
867	Manufacture test cables (JPL)	15%	20 d	6/28/04	7/26/04	11 d		869
868	FM 1	0%	52 d	9/23/04	12/8/04	-41 d		
869	FM 1 LET/HET/SEP Central Vibration/Acoustics Test	0%	10 d	10/12/04	10/25/04	-42 d	19FS+3 d,866,867,886	870,44SS,876SS
870	FM 1 LET/HET/SEP Central Thermal Balance Test	0%	5 d	10/26/04	11/1/04	-42 d	869	871,46SS
871	FM 1 LET/HET/SEP Central T/V Test	0%	15 d	11/2/04	11/23/04	-42 d	870	872,874,48SS
872	Evaluate SEP performance	0%	10 d	11/24/04	12/8/04	-42 d	871	873SS
873	Generate test reports	0%	11 d	9/23/04	10/7/04	-42 d	872SS	
874	Bakeout Clean SEP exterior & prepare for delivery	0%	3 d	11/24/04	11/29/04	-35 d	871	50SS,7,883
875	FM 2	0%	48 d	10/12/04	12/20/04	-35 d		
876	FM 2 LET/HET/SEP Central Vibration/Acoustics Test	0%	10 d	10/12/04	10/25/04	-23 d	864,869SS	56SS,877
877	FM 2 LET/HET/SEP Central T/V Test	0%	15 d	10/26/04	11/16/04	-23 d	876	878,880,58SS
878	Evaluate SEP performance	0%	10 d	11/17/04	12/1/04	-23 d	877	879SS
879	Generate test reports	0%	11 d	10/14/04	10/28/04	-23 d	878SS	
880	Bakeout Clean SEP exterior & prepare for delivery	0%	3 d	11/17/04	11/19/04	-21 d	877	60SS,881

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
881	Integrate & test SEPT FM 2	0%	1 d	11/30/04	11/30/04	-26 d	880,596,597	882
882	Integrate & test SIT FM 2	0%	1 d	12/15/04	12/15/04	-36 d	881,699	883
883	FM 2 EMI/EMC Test at CalTech	0%	2 d	12/16/04	12/17/04	-36 d	874,882	57SS,884
884	Deliver SEP/SIT FM 2 to APL	0%	1 d	12/20/04	12/20/04	-36 d	883	8
885	Accelerator Test (at MSU)	0%	9 d	7/10/04	7/22/04	-42 d		
886	FM 1 LET-HET/SEP Cen end-to-end test at Accelerator	0%	3 d	7/10/04	7/12/04	-44 d	898,453,845	42SS,869,846,889,4
887	FM 2 LET/SEP Cen end-to-end test at Accelerator	0%	3 d	7/10/04	7/12/04	-44 d	898,858	892,888,55SS,889FS
888	Continue I&T for HET, LET and SEP Cen	0%	3 d	7/20/04	7/22/04	-20 d	887	
889	Detach HET LET and SEP Cen from SEP Suite	0%	1 d	7/20/04	7/20/04	-18 d	886,887FS+5 d	890,892,891,893
890	Deliver HET FM 1 (Rplcmt Detectors and Conformal Coating @ GSFC)	0%	2 d	7/21/04	7/22/04	-20 d	889	559
891	Deliver LET and SEP Central (Conformal Coating @ CIT)	0%	0 d	7/20/04	7/20/04	-17 d	889	504
892	Deliver HET FM 2 (Conformal Coating @ GSFC)	0%	2 d	7/21/04	7/22/04	14 d	889,887	565
893	Deliver SEP LVPS FM2 (Coat & Stake @UCB)	0%	1 d	7/21/04	7/21/04	15 d	889	142
894	GSE	82%	305 d	8/1/03	10/18/04	8 d		
895	End-to-End Test Equipment	100%	218 d	8/11/03	6/22/04	0 d		
896	Design	100%	192 d	8/11/03	5/14/04	0 d		897
897	Assemble	100%	21 d	5/17/04	6/15/04	0 d	896	898
898	Test	100%	5 d	6/16/04	6/22/04	0 d	897	886,887
899	GSE software	72%	305 d	8/1/03	10/18/04	8 d		
900	Build GSE software release 2	99%	232 d	8/1/03	7/2/04	0 d		901FS+15 d
901	Write user's guide	0%	10 d	7/27/04	8/9/04	26 d	900FS+15 d	902FS-45 d
902	Build GSE software release 3	36%	117 d	5/3/04	10/18/04	8 d	901FS-45 d	903FS-20 d
903	Write user's guide supplement	0%	20 d	9/20/04	10/18/04	8 d	902FS-20 d	
904	SWEA and SIT Retest (after S/C Environmental Testing)	0%	40 d	9/27/05	11/21/05	0 d		
905	Ship SWEA FM 1 to UCB	0%	3 d	9/27/05	9/29/05	25 d		909
906	Ship (Hand Carry) SIT FM 1 to UMD	0%	1 d	9/27/05	9/27/05	27 d		910
907	Ship SWEA FM 2 to UCB	0%	3 d	10/4/05	10/6/05	20 d		911
908	Ship (Hand Carry) SIT FM 2 to UMD	0%	1 d	10/4/05	10/4/05	22 d		912
909	Vacuum Testing of SWEA FM 1 @ UCB	0%	5 d	9/30/05	10/6/05	25 d	905	913
910	Vacuum Testing of SIT FM 1 @ UMD	0%	5 d	9/28/05	10/4/05	27 d	906	914
911	Vacuum Testing of SWEA FM 2 @ UCB	0%	5 d	10/7/05	10/13/05	20 d	907	913
912	Vacuum Testing of SIT FM 2 @ UMD	0%	5 d	10/5/05	10/11/05	22 d	908	914
913	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	909,911	915
914	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	910,912	915
915	Reintegration of SWEA and SIT to S/C (at Launch Site)	0%	3 d	10/19/05	10/21/05	20 d	913,914	916
916	Target Date for Reintegration to S/C	0%	1 d	11/19/05	11/21/05	0 d	915	