

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
1	IMPACT - Dave Curtis (UCB) & Lil Reichenthal (GSFC)	82%	698 d	2/26/03	11/21/05	0 d		
2	Suite Deliveries to APL	0%	59 d	10/7/04	12/31/04	-45 d		
3	FM 1 Target Delivery Date	0%	0 d	10/7/04	10/7/04	-45 d	5,7	
4	FM 2 Target Delivery Date	0%	0 d	10/28/04	10/28/04	-45 d	8,6	
5	Boom Suite FM 1 Ready for Delivery to APL	0%	0 d	11/22/04	11/22/04	-31 d	401	3
6	Boom Suite FM 2 Ready for Delivery to APL	0%	0 d	11/30/04	11/30/04	-22 d	407	4
7	SEP Suite FM 1 Ready for Delivery to APL	0%	0 d	12/13/04	12/13/04	-45 d	885,709,606	3
8	SEP Suite FM 2 Ready for Delivery to APL	0%	0 d	12/31/04	12/31/04	-45 d	895	4
9	Environmental Testing - PER, Impact Suite EMC, Snapshots of Boom & SEP Suite Tes	29%	247 d	1/14/04	1/4/05	229 d		
10	Reviews (PER and TRR's) - TRR Dates are Tentative	50%	192 d	1/14/04	10/15/04	284 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	10/12/04	10/12/04	287 d	23SS-5 d	
16	TRR 5 - Prior to FM 1 SWEA Vibration	0%	1 d	10/12/04	10/12/04	287 d	26SS-5 d	
17	TRR 6 - Prior to FM 1 Impact Suite EMC (for Boom and SEP)	0%	1 d	9/27/04	9/27/04	297 d	19SS-5 d	
18	TRR 7 - Prior to FM 1 SIT Vibration	0%	1 d	10/15/04	10/15/04	284 d	43SS-5 d	
19	IMPACT Suite FM 1 EMC Testing at UCB	0%	10 d	10/4/04	10/18/04	-50 d	865,487	880FS+3 d,708,17SS
20	Boom Suite FM 1 Environmental Test Flow Snapshot - UCB	62%	141 d	4/26/04	11/15/04	264 d		
21	STE-U Thermal Vac/Thermal Balance/Bake Out	100%	37 d	4/26/04	6/16/04	0 d	320SS	13SS-6 d
22	Boom Structure Vibration	100%	4 d	6/23/04	6/28/04	0 d	262SS	14SS-19 d
23	IDPU Vibration	0%	5 d	10/19/04	10/25/04	278 d	225SS	15SS-5 d
24	Boom Structure Thermal Vac & Bake Out	100%	15 d	6/29/04	7/20/04	0 d	263SS	
25	IDPU Thermal Vac & Bake Out	0%	10 d	10/26/04	11/8/04	268 d	226SS	
26	SWEA/STE Vibration	0%	5 d	10/19/04	10/25/04	278 d	386SS	16SS-5 d
27	SWEA/STE Thermal Vac/Thermal Balance/Bake Out	0%	14 d	10/26/04	11/15/04	264 d	387SS	
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	328SS	
30	IDPU Vibration	0%	5 d	9/27/04	10/1/04	293 d	229SS	
31	Boom Structure Vibration	0%	4 d	8/20/04	8/25/04	319 d	283SS	
32	IDPU Thermal Vac & Bake Out	0%	10 d	10/4/04	10/18/04	283 d	230SS	
33	Boom Structure Thermal Vac & Bake Out	0%	15 d	8/26/04	9/16/04	304 d	284SS	
34	SWEA/STE Vibration	0%	5 d	10/15/04	10/21/04	280 d	394SS	
35	SWEA/STE Thermal Vac & Bake Out	0%	10 d	10/22/04	11/4/04	270 d	395SS	
36	Boom Suite FM 2 EMC	0%	5 d	11/16/04	11/22/04	259 d	406SS	
37	SEP Suite FM 1 Environmental Test Flow Snapshot	22%	205 d	2/19/04	12/9/04	247 d		
38	SEPT (NS & E) Vibration (in Europe)	100%	4 d	2/19/04	2/24/04	0 d	643SS	
39	SEPT (NS & E) Thermal Vac (in Europe)	100%	11 d	2/27/04	3/12/04	0 d	644SS,660SS	12SS-6 d
40	SEPT (NS & E) Bake Out (in Europe)	100%	2 d	3/5/04	3/8/04	0 d	645SS,661SS	

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41	SEPT (NS & E) Thermal Balance (at GSFC)	0%	10 d	10/25/04	11/5/04	269 d	653SS,669SS	
42	LET/HET/SEP Cen Accelerator Test (at MSU)	100%	3 d	7/10/04	7/12/04	0 d	897SS	
43	SIT Vibe and Acoustics (at GSFC)	0%	10 d	10/22/04	11/4/04	270 d	819SS	18SS-5 d
44	LET/HET/SEP Cen Vibe and Acoustics (at JPL)	0%	10 d	10/22/04	11/4/04	270 d	880SS	
45	SIT Thermal Balance (at GSFC)	0%	5 d	11/8/04	11/15/04	264 d	821SS	
46	LET/HET/SEP Cen Thermal Balance (at JPL)	0%	5 d	11/5/04	11/12/04	265 d	881SS	
47	SIT Thermal Vac (at GSFC)	0%	10 d	11/16/04	11/30/04	254 d	822SS	
48	LET/HET/SEP Cen Thermal Vac (at JPL)	0%	15 d	11/15/04	12/6/04	250 d	882SS	
49	SIT Bake Out (at GSFC)	0%	3 d	12/3/04	12/7/04	249 d	824SS	
50	LET/HET/SEP Cen Bake Out (at JPL)	0%	3 d	12/7/04	12/9/04	247 d	885SS	
51	SEP Suite FM 2 Environmental Test Flow Snapshot	24%	223 d	2/19/04	1/4/05	229 d		
52	SEPT (NS & E) Vibe and Acoustics (in Europe)	100%	4 d	2/19/04	2/24/04	0 d	676SS	
53	SEPT (NS & E) Thermal Vac (in Europe)	100%	9 d	3/5/04	3/17/04	0 d	677SS,693SS	
54	SEPT (NS & E) Bake Out (in Europe)	100%	2 d	3/12/04	3/15/04	0 d	678SS,694SS	
55	LET/HET/SEP Cen Accelerator Test (at MSU)	100%	3 d	7/10/04	7/12/04	0 d	898SS	
56	LET/HET/SEP Cen Vibe and Acoustics (at JPL)	0%	10 d	10/22/04	11/4/04	270 d	887SS	
57	SEP Suite FM 2 EMC (at Caltech)	0%	5 d	12/29/04	1/4/05	229 d	894SS	
58	LET/HET/SEP Cen Thermal Vac (at JPL)	0%	15 d	11/5/04	11/29/04	255 d	888SS	
59	SIT Vibe and Acoustics (at GSFC)	0%	10 d	11/15/04	11/29/04	255 d	828SS	
60	LET/HET/SEP Cen Bake Out (at JPL)	0%	3 d	11/30/04	12/2/04	252 d	891SS	
61	SIT Thermal Vac (at GSFC)	0%	10 d	12/1/04	12/14/04	244 d	830SS	
62	SIT Bake Out (at GSFC)	0%	3 d	12/17/04	12/21/04	239 d	832SS	
63	Power Converters - UCB	83%	405.5 d	2/26/03	10/4/04	-15.5 d		
64	Deliveries	60%	180 d	12/9/03	8/24/04	-1 d		
65	FM 1	99%	163 d	12/9/03	7/30/04	-20 d		
66	Deliver IDPU FM 1 LVPS (stays at UCB)	0%	0 d	7/30/04	7/30/04	-20 d	121	224
67	Deliver SEP FM 1 LVPS (to Caltech)	100%	1 d	6/1/04	6/1/04	0 d	125	508,484FS+19 d
68	Deliver SWEA/STE FM 1 LVPS (stays at UCB)	0%	0 d	7/23/04	7/23/04	-42 d	129	382
69	Deliver PLASTIC FM 1 LVPS (to UNH)	100%	2 d	5/24/04	5/25/04	0 d	133	
70	Deliver SIT FM 1 HVPS (to UMD)	100%	2 d	12/9/03	12/10/03	0 d	135	777
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	140	228
73	Deliver SEP FM 2 LVPS (to Caltech)	100%	1 d	6/29/04	6/29/04	0 d	142	485
74	Deliver SWEA/STE FM 2 LVPS (stays at UCB)	0%	0 d	8/24/04	8/24/04	-22 d	149	391
75	Deliver PLASTIC FM 2 LVPS	0%	2 d	7/27/04	7/28/04	13.5 d	153	186
76	Deliver SIT FM 2 HVPS (to UMD)	0%	2 d	8/17/04	8/18/04	-36 d	157	779
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

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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	36.5 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	123
102		Assemble SWEA FM 1 LVPS	100%	30 d	2/13/04	3/26/04	0 d	90,114	127,109
103		Assemble PLASTIC FM 1 LVPS	100%	29 d	12/29/03	2/9/04	0 d	115,91	131
104		FM 2	80%	80 d	3/29/04	7/20/04	36.5 d		
105		Assemble IDPU FM 2 LVPS	30%	10 d	6/28/04	7/12/04	5 d	94,118FS-25 d	138
106		Assemble SEP FM 2 LVPS	100%	20 d	5/24/04	6/21/04	0 d	95,123FS+5 d	142FS-10 d
107		Assemble SWEA FM 2 LVPS	50%	14 d	6/22/04	7/20/04	-22 d	96,127	147
108		Assemble PLASTIC FM 2 LVPS	74%	50 d	5/10/04	7/20/04	36.5 d	97,131	151FS-36 d
109		Assemble SIT FM 2 HVPS	91%	74 d	3/29/04	7/12/04	-36 d	93,102	155FS-10 d
110		Testing	72%	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	94%	188 d	10/31/03	7/30/04	-1 d		
117		IDPU	96%	29 d	6/21/04	7/30/04	-1 d		
118		Test IDPU FM 1 LVPS	100%	21 d	6/21/04	7/20/04	0 d	100FS+37 d	119,105FS-25 d,138
119		Coat & Stake IDPU LVPS FM 1 Boards	100%	0 d	7/20/04	7/20/04	0 d	118	120FS+6 d
120		Replace ACTEL	100%	1 d	7/29/04	7/29/04	0 d	119FS+6 d	121

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121	Retest & Coat Touch-up IDPU LVPS FM 1 Boards	0%	1 d	7/30/04	7/30/04	-20 d	120	66
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	101	124,106FS+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	124,419	67
126	SWEA	83%	93 d	3/15/04	7/23/04	-10 d		
127	Test SWEA FM 1 LVPS	93%	83 d	3/15/04	7/9/04	-42 d	102	128,107
128	Coat & Stake SWEA LVPS FM 1 Boards	0%	5 d	7/12/04	7/16/04	-42 d	127	129
129	Retest SWEA LVPS FM 1 Boards	0%	5 d	7/19/04	7/23/04	-42 d	128	68
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	103	132,108
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	69
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		70
136	FM 2	27%	61 d	5/28/04	8/24/04	4 d		
137	IDPU	0%	25 d	7/21/04	8/24/04	-1 d		
138	Test IDPU FM 2 LVPS	0%	15 d	7/21/04	8/10/04	-1 d	105,118	139
139	Coat & Stake IDPU LVPS FM 2 Boards	0%	5 d	8/11/04	8/17/04	-1 d	138	140
140	Retest IDPU LVPS FM 2 Boards	0%	5 d	8/18/04	8/24/04	-1 d	139	72
141	SEP	54%	44 d	6/8/04	8/9/04	15 d		
142	Test SEP FM 2 LVPS	100%	15 d	6/8/04	6/28/04	0 d	106FS-10 d	143,73
143	Coat & Stake SEP LVPS FM 2 Boards	0%	5 d	7/22/04	7/28/04	15 d	142,904	144
144	Retest SEP LVPS FM 2 Boards	0%	5 d	7/29/04	8/4/04	15 d	143,419	145
145	Bakeout SEP LVPS FM 2 Boards	0%	3 d	8/5/04	8/9/04	15 d	144	871
146	SWEA	0%	25 d	7/21/04	8/24/04	-22 d		
147	Test SWEA FM 2 LVPS	0%	15 d	7/21/04	8/10/04	-22 d	107	148
148	Coat & Stake SWEA LVPS FM 2 Boards	0%	5 d	8/11/04	8/17/04	-22 d	147	149
149	Retest SWEA LVPS FM 2 Boards	0%	5 d	8/18/04	8/24/04	-22 d	148	74
150	PLASTIC	57%	40 d	5/28/04	7/26/04	13.5 d		
151	Test PLASTIC FM 2 LVPS	77%	30 d	5/28/04	7/12/04	13.5 d	108FS-36 d	152
152	Coat & Stake PLASTIC LVPS FM 2 Boards	0%	5 d	7/13/04	7/19/04	13.5 d	151	153
153	Retest PLASTIC LVPS FM 2 Boards	0%	5 d	7/20/04	7/26/04	13.5 d	152	75
154	SIT	0%	35 d	6/28/04	8/16/04	-36 d		
155	Test SIT FM 2 HVPS	0%	15 d	6/28/04	8/2/04	-36 d	109FS-10 d	156
156	Coat & Stake SIT FM 2 HVPS Boards	0%	5 d	8/3/04	8/9/04	-36 d	155	157
157	Retest SIT FM 2 HVPS Boards	0%	5 d	8/10/04	8/16/04	-36 d	156	76
158	Replacement of LTC1877s	0%	253.5 d	10/1/03	10/4/04	-15.5 d		
159	Receive screened units	0%	0 d	8/27/04	8/27/04	-16.5 d		184,160FS+15 d
160	Receive last units after Tech Characterization	0%	1 d	9/21/04	9/21/04	-16.5 d	159FS+15 d	179

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161	FM 1	0%	251.5 d	10/1/03	9/30/04	-14.5 d		208
162	IDPU w/ replacement part	0%	6.5 d	8/31/04	9/9/04	-3 d		
163	Replace LTC1877	0%	0.5 d	8/31/04	8/31/04	-3 d	187	164,169
164	Test IDPU FM 1 LVPS	0%	1 d	9/1/04	9/1/04	0 d	163	165
165	Coat & Stake IDPU LVPS FM 1 Boards	0%	3 d	9/2/04	9/7/04	0 d	164	166
166	Retest/Reassenble IDPU LVPS FM 1 Boards	0%	2 d	9/8/04	9/9/04	0 d	165	
167	SEP w/ replacement part	0%	236.5 d	10/1/03	9/9/04	0.5 d		
168	Receive SEP FM 1 LVPS from CIT	0%	1 d	10/1/03	10/1/03	227 d		169
169	Replace LTC1877	0%	0.5 d	9/1/04	9/1/04	-3 d	168,163	170,174
170	Test SEP FM 1 LVPS	0%	1 d	9/1/04	9/2/04	0.5 d	169	171
171	Coat & Stake SEP LVPS FM 1 Boards	0%	2 d	9/2/04	9/7/04	0.5 d	170	172
172	Retest/ Reassmeble SEP LVPS FM 1 Boards	0%	2 d	9/7/04	9/9/04	0.5 d	171	
173	SWEA w/ replacement part	0%	6.5 d	9/1/04	9/10/04	-3 d		
174	Replace LTC1877	0%	0.5 d	9/1/04	9/1/04	-3 d	169	175,180
175	Test SWEA FM 1 LVPS	0%	1 d	9/2/04	9/2/04	-1 d	174	176
176	Coat & Stake SWEA LVPS FM 1 Boards	0%	3 d	9/3/04	9/8/04	-1 d	175	177
177	Retest/ Reassmeble SWEA LVPS FM 1 Boards	0%	2 d	9/9/04	9/10/04	-1 d	176	
178	PLASTIC w/ replacement part	0%	6.5 d	9/22/04	9/30/04	-16.5 d		
179	Receive PLASTIC FM 1 LVPS from UNH	0%	0.5 d	9/22/04	9/22/04	-16.5 d	160	180
180	Replace LTC1877	0%	1 d	9/22/04	9/23/04	-16.5 d	179,174	181,193
181	Test PLASTIC FM 1 LVPS	0%	1 d	9/23/04	9/24/04	-14.5 d	180	182
182	Coat & Stake PLASTIC LVPS FM 1 Boards	0%	2 d	9/24/04	9/28/04	-14.5 d	181	183
183	Retest/ Reassmeble PLASTIC LVPS FM 1 Boards	0%	2 d	9/28/04	9/30/04	-14.5 d	182	
184	FM 2	0%	26.5 d	8/26/04	10/4/04	-16.5 d	159	208
185	PLASTIC w/ replacement part	0%	8.5 d	8/26/04	9/8/04	-6.5 d		
186	Receive PLASTIC FM 2 LVPS from UNH	0%	1 d	8/30/04	8/30/04	-8.5 d	75	187
187	Replace LTC1877	0%	0.5 d	8/31/04	8/31/04	-8.5 d	186	188,163
188	Test PLASTIC FM 2 LVPS	0%	1 d	8/31/04	9/1/04	-8.5 d	187	189
189	Final Coat & Stake PLASTIC LVPS FM 2 Boards	0%	2 d	9/1/04	9/3/04	-8.5 d	188	190
190	Retest/ Reassmeble PLASTIC LVPS FM 2 Boards	0%	2 d	9/3/04	9/8/04	-8.5 d	189	191
191	Deliver PLASTIC LVPS FM 2 (to UNH)	0%	2 d	8/26/04	8/27/04	-8.5 d	190	
192	IDPU w/ replacement part	0%	6.5 d	9/23/04	10/1/04	-16.5 d		
193	Replace LTC1877	0%	0.5 d	9/23/04	9/23/04	-16.5 d	180	194,199
194	Test IDPU FM 2 LVPS	0%	1 d	9/24/04	9/24/04	-16 d	193	195
195	Final Coat & Stake IDPU LVPS FM 2 Boards	0%	3 d	9/27/04	9/29/04	-16 d	194	196
196	Retest/Reassenble IDPU LVPS FM 1 Boards	0%	2 d	9/30/04	10/1/04	-16 d	195	
197	SEP w/ replacement part	0%	23.5 d	8/30/04	10/1/04	-15.5 d		
198	Receive SEP FM 2 LVPS from CIT	0%	1 d	8/30/04	8/30/04	0.5 d		199
199	Replace LTC1877	0%	0.5 d	9/24/04	9/24/04	-16.5 d	193,198	200,205
200	Test SEP FM 2 LVPS	0%	1 d	9/24/04	9/27/04	-15.5 d	199	201

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
201	Final Coat & Stake SEP LVPS FM 2 Boards	0%	2 d	9/27/04	9/29/04	-15.5 d	200	202
202	Retest/ Reassmeble SEP LVPS FM 2 Boards	0%	2 d	9/29/04	10/1/04	-15.5 d	201	
203	SWEA w/ replacement part	0%	24.5 d	8/30/04	10/4/04	-16.5 d		
204	Replace LTC1877	0%	0.5 d	8/30/04	8/30/04	1.5 d		205
205	Test SWEA FM 2 LVPS	0%	1 d	9/24/04	9/27/04	-16.5 d	204,199	206
206	Final Coat & Stake SWEA LVPS FM 2 Boards	0%	3 d	9/27/04	9/30/04	-16.5 d	205	207
207	Retest/ Reassmeble SWEA LVPS FM 2 Boards	0%	2 d	9/30/04	10/4/04	-16.5 d	206	
208	Deliver all LVPS w/ Replacement Parts (to CIT for re-integration before EMC)	0%	1 d	9/10/04	9/10/04	-16.5 d	161,184	
209	IDPU - UCB	86%	382 d	5/5/03	11/8/04	-22 d		
210	Deliveries	0%	17 d	8/6/04	8/31/04	-20 d		
211	IDPU FM 1 Complete (to UCB for Boom I&T, then to CIT for SEP I&T, Suite EMC,	0%	0 d	8/6/04	8/6/04	-20 d	224	400
212	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	228	873
213	Flight Software	92%	321 d	5/5/03	8/11/04	29 d		
214	IDPU S/W Build #2.5	100%	131 d	5/5/03	11/7/03	0 d		224
215	IDPU S/W Build #3 (also goes to UNH)	88%	249 d	8/15/03	8/11/04	29 d		230
216	GSE	87%	301 d	6/30/03	9/8/04	0 d		
217	STE Science Display	100%	27 d	10/23/03	12/2/03	0 d		
218	SWEA Science Display	100%	167 d	6/30/03	3/1/04	0 d		
219	GSE Continued Development (LOE)	79%	291 d	7/15/03	9/8/04	0 d		
220	Integration & Test	38%	274 d	10/7/03	11/8/04	-22 d		
221	IDPU DCB FM 2 Board Level Testing	100%	15 d	10/7/03	10/28/03	0 d		228,222
222	IDPU DCB Clean/Stake/Coat (FM 1 & FM 2)	100%	10 d	12/26/03	1/9/04	0 d	221	224,228
223	FM 1	0%	69 d	8/2/04	11/8/04	-27 d		
224	IDPU FM 1 I & T	0%	5 d	8/2/04	8/6/04	-20 d	214,66,287,331,222	225,211
225	IDPU FM 1 Vibration	0%	5 d	10/19/04	10/25/04	-27 d	224,19	226,23SS
226	IDPU FM 1 Thermal Vacuum & Bake Out	0%	10 d	10/26/04	11/8/04	-27 d	225	25SS,401
227	FM 2	0%	37 d	8/25/04	10/18/04	-7 d		
228	IDPU FM 2 I & T	0%	5 d	8/25/04	8/31/04	-1 d	72,288,332,221,222	212
229	IDPU FM 2 Vibration	0%	5 d	9/27/04	10/1/04	-7 d	874FS+2 d	230,30SS
230	IDPU FM 2 Thermal Vacuum & Bake Out	0%	10 d	10/4/04	10/18/04	-7 d	229,215	32SS,405
231	BOOM Suite - UCB	92%	356 d	7/1/03	11/30/04	-22 d		
232	BOOM Structure - UCB	96%	257 d	9/10/03	9/16/04	12 d		
233	Deliveries	0%	174 d	1/9/04	9/16/04	12 d		
234	Protoflight Boom available for I&T (if needed)	100%	0 d	1/9/04	1/9/04	0 d	239	
235	Deliver Boom Structure FM 1 (stays at UCB for Boom Suite FM 1 I&T)	100%	0 d	7/20/04	7/20/04	0 d	263	400,399
236	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	284	405,404
237	Protoflight	100%	79 d	9/16/03	1/9/04	0 d		
238	Protoflight Boom Post Environmental Deployment Test	100%	35 d	9/16/03	11/4/03	0 d		239
239	Document Protoflight Boom Test Results	100%	44 d	11/5/03	1/9/04	0 d	238	234
240	Flight Procurements	100%	40 d	9/10/03	11/5/03	0 d		

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
241	Receive and Inspect Flight Boom Structure Tubes (FM 1)	100%	32 d	9/10/03	10/24/03	0 d		246,247FF+47 d
242	Receive and Inspect Flight Boom Structure Tubes (FM 2)	100%	40 d	9/10/03	11/5/03	0 d		267
243	FM 1	100%	203 d	9/29/03	7/20/04	0 d		
244	Telescoping	100%	84 d	10/27/03	2/29/04	0 d		
245	Fabrication, Assembly & Test	100%	84 d	10/27/03	2/29/04	0 d		
246	Machine FM 1 Boom Structure Tubes as necessary	100%	5 d	10/27/03	10/31/03	0 d	241	248
247	Machine FM 1 Boom Structure Parts (Rings)	100%	38 d	11/7/03	1/5/04	0 d	241FF+47 d	248,268SS
248	Assemble FM 1 Boom Structure Telescoping Assembly	100%	5 d	2/23/04	2/27/04	0 d	246,247	249,269SS
249	Test FM 1 Boom Structure Telescoping Assembly	100%	2 d	2/28/04	2/29/04	0 d	248	260
250	Harness	100%	109 d	9/29/03	3/8/04	0 d		
251	Fabrication	100%	103 d	9/29/03	2/27/04	0 d		
252	Machine FM 1 Harness Parts	100%	103 d	9/29/03	2/27/04	0 d		254,273SS
253	Assembly & Test	100%	6 d	3/1/04	3/8/04	0 d		
254	Assemble FM 1 Harness subassembly	100%	7 d	3/1/04	3/7/04	0 d	252	255
255	FM1 Harness Test	100%	1 d	3/8/04	3/8/04	0 d	254	260FS+5 d
256	Mounting	100%	38 d	9/29/03	11/21/03	0 d		
257	FM 1 Boom Structure Mounting Fabrication	100%	28 d	9/29/03	11/6/03	0 d		258,278SS
258	FM 1 Boom Structure Mounting Assembly	100%	10 d	11/7/03	11/21/03	0 d	257	
259	Integration & Test	100%	89 d	3/16/04	7/20/04	0 d		
260	Integrate FM 1 Boom Structure subassemblies & Harness Completion	100%	60 d	3/16/04	6/8/04	0 d	249,255FS+5 d	261,281SS+10 d
261	FM 1 Boom Structure Deployment Test	100%	3 d	6/9/04	6/11/04	0 d	260	262,398
262	FM 1 Boom Structure Vibration Test	100%	4 d	6/23/04	6/28/04	0 d	261,398	263,22SS
263	FM 1 Boom Structure Thermal Vac & Bake Out	100%	15 d	6/29/04	7/20/04	0 d	262	284,24SS,235
264	FM 2	90%	244 d	9/29/03	9/16/04	12 d		
265	Telescoping	100%	78 d	11/6/03	3/2/04	0 d		
266	Fabrication, Assembly & Test	100%	78 d	11/6/03	3/2/04	0 d		
267	Machine FM 2 Boom Structure Tubes as necessary	100%	11 d	11/6/03	11/21/03	0 d	242	269
268	Machine FM 2 Boom Structure Parts (Rings)	100%	38 d	11/7/03	1/5/04	0 d	247SS	269
269	Assemble FM 2 Boom Structure Telescoping Assembly	100%	5 d	2/23/04	2/27/04	0 d	267,268,248SS	270
270	Test FM 2 Boom Structure Telescoping Assembly	100%	2 d	3/1/04	3/2/04	0 d	269	281
271	Harness	100%	110 d	9/29/03	3/9/04	0 d		
272	Fabrication	100%	103 d	9/29/03	2/27/04	0 d		
273	Machine FM 2 Harness Parts	100%	103 d	9/29/03	2/27/04	0 d	252SS	275
274	Assembly & Test	100%	7 d	3/1/04	3/9/04	0 d		
275	Assemble FM 2 Harness subassembly	100%	6 d	3/1/04	3/8/04	0 d	273	276
276	FM 2 Harness Test	100%	1 d	3/9/04	3/9/04	0 d	275	281
277	Mounting	100%	38 d	9/29/03	11/21/03	0 d		
278	FM 2 Boom Structure Mountings Fabrication	100%	28 d	9/29/03	11/6/03	0 d	257SS	279
279	FM 2 Boom Structure Mountings Assembly	100%	10 d	11/7/03	11/21/03	0 d	278	
280	Integration & Test	69%	121 d	3/29/04	9/16/04	12 d		

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
281	Integrate FM 2 Boom Structure subassemblies & Harness Completion	89%	75 d	3/29/04	7/13/04	32 d	270,276,260SS+10 d	282
282	FM 2 Boom Structure Deployment Test	0%	3 d	7/14/04	7/16/04	32 d	281	283,403
283	FM 2 Boom Structure Vibration Test	0%	4 d	8/20/04	8/25/04	12 d	282,403	284,31SS
284	FM 2 Boom Structure Themal Vac & Bake Out	0%	15 d	8/26/04	9/16/04	12 d	283,263	33SS,236
285	MAG - GSFC	100%	63 d	2/20/04	5/18/04	0 d		
286	Deliveries	100%	15 d	4/28/04	5/18/04	0 d		
287	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	291	224,398
288	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	294	228,403
289	FM 1	100%	48 d	2/20/04	4/27/04	0 d		
290	FM 1 MAG Testing	100%	20 d	2/20/04	3/18/04	0 d		291FS+10 d,293FF+
291	MAG FM 1 Calibration	100%	22 d	3/26/04	4/27/04	0 d	290FS+10 d	287
292	FM 2	100%	51 d	3/5/04	5/14/04	0 d		
293	FM 2 MAG Testing	100%	20 d	3/5/04	4/1/04	0 d	290FF+10 d	294FS+10 d
294	MAG FM 2 Calibration	100%	21 d	4/16/04	5/14/04	0 d	293FS+10 d	288
295	SWEA - CESR	100%	126 d	12/8/03	6/7/04	0 d		
296	Deliveries	100%	126 d	12/8/03	6/7/04	0 d		
297	SWEA FM 1 Delivery to UCB	100%	3 d	12/8/03	12/10/03	0 d		384
298	SWEA FM 2 Delivery to UCB	100%	3 d	6/3/04	6/7/04	0 d	301FS+7 d	392
299	FM 2	100%	50 d	3/15/04	5/21/04	0 d		
300	SWEA FM 2 Final Assembly (Block 2)	100%	5 d	3/15/04	3/19/04	0 d		301
301	SWEA FM 2 Calibration	100%	45 d	3/22/04	5/21/04	0 d	300	298FS+7 d
302	STE - UCB	92%	241 d	8/29/03	8/13/04	12 d		
303	Deliveries	0%	43 d	6/14/04	8/13/04	12 d		
304	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	319	384
305	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	327	392
306	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	320	398
307	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	328	403
308	STE-U/D Housing	100%	53 d	11/21/03	2/9/04	0 d		
309	Fabricate STE FM 1 Box	100%	53 d	11/21/03	2/9/04	0 d		318
310	Fabricate STE FM 2 Box	100%	53 d	11/21/03	2/9/04	0 d		326
311	STE-U/D Detector Boards	90%	241 d	8/29/03	8/13/04	12 d		
312	Coupon Test STE FM 1 & FM 2 Detector Printed Wiring Board	100%	17 d	10/10/03	11/4/03	0 d	314,322	315,323
313	FM 1	100%	200 d	8/29/03	6/16/04	0 d		
314	Fabrication STE FM 1 Detector Printed Wiring Board	100%	29 d	8/29/03	10/9/03	0 d		312
315	Load STE FM 1 Detector Printed Wiring Board	100%	60 d	11/5/03	2/3/04	0 d	312	316
316	Test STE FM 1 Detector Printed Wiring Board	100%	10 d	2/4/04	2/18/04	0 d	315	318,323FF+17 d
317	Integration & Test	100%	84 d	2/19/04	6/16/04	0 d		
318	Integrate & Test STE-U/D FM 1 Detectors W/ FM 1 Housings	100%	47 d	2/19/04	4/23/04	0 d	309,316	326FS-10 d,319FS-1
319	Calibrate STE-U/D FM 1	100%	45 d	4/12/04	6/14/04	0 d	318FS-10 d	320FS-6 d,304,326
320	STE-U FM 1 Thermal Vacuum/Balance/Bake Out	100%	31 d	4/26/04	6/16/04	0 d	319FS-6 d	306,21SS

ID		Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
321		FM 2	79%	241 d	8/29/03	8/13/04	12 d		
322	✓	Fabricate STE FM 2 Detector Printed Wiring Board	100%	29 d	8/29/03	10/9/03	0 d		312
323	✓	Load STE FM 2 Detector Printed Wiring Board	100%	63 d	11/5/03	3/12/04	0 d	312,316FF+17 d	324
324	✓	Test STE FM 2 Detector Printed Wiring Board	100%	65 d	3/15/04	6/14/04	0 d	323	326
325		Integration & Test	21%	43 d	6/15/04	8/13/04	12 d		
326		Integrate & Test STE-U/D FM 2 Detectors W/ FM 2 Housings	60%	20 d	6/15/04	7/13/04	-5 d	310,324,318FS-10 d,3	327FS-5 d
327		Calibrate STE-U/D FM 2	0%	28 d	7/7/04	8/13/04	-5 d	326FS-5 d	328FS-10 d,305
328		STE-U FM 2 Thermal Vacuum/Bake Out	0%	10 d	8/2/04	8/13/04	12 d	327FS-10 d	307,29SS
329		STE and SWEA - UCB	90%	346 d	7/1/03	11/15/04	-28 d		
330		Deliveries	0%	120 d	5/14/04	11/4/04	-22 d		
331	✓	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	380	224
332	✓	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	389	228
333		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	385	399
334		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	395	404
335	✓	SWEA Pedestal	100%	152 d	7/1/03	2/9/04	0 d		
336	✓	Fabricate SWEA FM 1 Baseplate	100%	152 d	7/1/03	2/9/04	0 d		381
337	✓	Fabricate SWEA FM 2 Baseplate	100%	152 d	7/1/03	2/9/04	0 d		390
338	✓	STE-D Pre-Amp Board	100%	163 d	9/22/03	5/14/04	0 d		
339	✓	FM 1	100%	163 d	9/22/03	5/14/04	0 d		
340	✓	Fabricate STE-D FM 1 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		345
341	✓	Load STE-D FM 1 Preamp Printed Wiring Board	100%	49 d	3/9/04	5/14/04	0 d	345	381,344SS
342	✓	FM 2	100%	163 d	9/22/03	5/14/04	0 d		
343	✓	Fabricate STE-D FM 2 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		345
344	✓	Load STE-D FM 2 Preamp Printed Wiring Board	100%	49 d	3/9/04	5/14/04	0 d	341SS	390
345	✓	Coupon Test STE-D FM 1 & FM 2 Pre-Amp Printed Wiring Boards	100%	15 d	11/10/03	12/2/03	0 d	340,343	341
346	✓	STE-D Shaper Board	100%	118 d	12/4/03	5/21/04	0 d		
347	✓	FM 1	100%	67 d	12/4/03	3/11/04	0 d		
348	✓	Fabricate STE-D FM 1 Shaper Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		353
349	✓	Load STE-D FM 1 Shaper Printed Wiring Board	100%	5 d	3/5/04	3/11/04	0 d	353	381,357SS
350	✓	FM 2	100%	118 d	12/4/03	5/21/04	0 d		
351	✓	Fabricate STE-D FM 2 Shaper Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		353
352	✓	Load STE-D FM 2 Shaper Printed Wiring Board	100%	15 d	5/3/04	5/21/04	0 d	353FS+78 d	390,360SS,381
353	✓	Coupon Test STE-D FM 1 & FM 2 Shaper Printed Wiring Boards	100%	15 d	12/18/03	1/9/04	0 d	348,351	349,352FS+78 d
354	✓	STE-D Interface Board	100%	118 d	12/4/03	5/21/04	0 d		
355	✓	FM 1	100%	67 d	12/4/03	3/11/04	0 d		
356	✓	Fabricate SWEA / STE-D FM 1 Digital to Analog Converter Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		361
357	✓	Load SWEA / STE-D FM 1 Digital to Analog Converter Printed Wiring Board	100%	5 d	3/5/04	3/11/04	0 d	349SS	381
358	✓	FM 2	100%	118 d	12/4/03	5/21/04	0 d		
359	✓	Fabricate SWEA / STE-D FM 2 Digital to Analog Converter Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		361
360	✓	Load SWEA / STE-D FM 2 Digital to Analog Converter Printed Wiring Board	100%	15 d	5/3/04	5/21/04	0 d	352SS	390

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
361	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	356,359	
362	STE-U Pre-Amp Board	100%	160 d	9/22/03	5/11/04	0 d		
363	FM 1	100%	79 d	9/22/03	1/15/04	0 d		
364	Fabricate STE-U FM 1 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		369
365	Load STE-U FM 1 Preamp Printed Wiring Board	100%	4 d	1/12/04	1/15/04	0 d	369	380
366	FM 2	100%	160 d	9/22/03	5/11/04	0 d		
367	Fabricate STE-U FM 2 Preamp Printed Wiring Board	100%	34 d	9/22/03	11/7/03	0 d		369
368	Load STE-U FM 2 Preamp Printed Wiring Board	100%	46 d	3/9/04	5/11/04	0 d	369	389
369	Coupon Test STE-U FM 1 & FM 2 Pre-Amp Printed Wiring Boards	100%	15 d	11/10/03	12/2/03	0 d	364,367	365,368
370	STE-U Shaper & Interface Board	100%	78 d	12/4/03	3/26/04	0 d		
371	FM 1	100%	73 d	12/4/03	3/19/04	0 d		
372	Fabricate STE-U FM 1 Shaper & Interface Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		377
373	Load STE-U FM 1 Shaper & Interface Printed Wiring Board	100%	13 d	3/3/04	3/19/04	0 d	377	380,376
374	FM 2	100%	78 d	12/4/03	3/26/04	0 d		
375	Fabricate STE-U FM 2 Shaper & Interface Printed Wiring Board	100%	10 d	12/4/03	12/17/03	0 d		377
376	Load STE-U FM 2 Shaper & Interface Printed Wiring Board	100%	5 d	3/22/04	3/26/04	0 d	373	389
377	Coupon Test STE-U FM 1 & FM 2 Shaper & Interface Printed Wiring Boards	100%	15 d	12/18/03	1/9/04	0 d	372,375	373
378	Integration & Test	51%	166 d	3/22/04	11/15/04	-28 d		
379	FM 1	56%	166 d	3/22/04	11/15/04	-31 d		
380	Integrate & Test STE-U FM 1 Interface Boards	100%	40 d	3/22/04	5/14/04	0 d	365,373	331
381	Integrate & Test SWEA/STE-D FM 1 Interface Boards	100%	20 d	5/24/04	6/21/04	0 d	336,341,349,357,352	382,383
382	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	381,68	384
383	Clean/Coat/Stake SWEA/STE-D Interface	70%	10 d	6/22/04	7/6/04	-19 d	381	384
384	Integrate & Test SWEA/STE-D FM 1 Combined	0%	5 d	8/9/04	8/13/04	-42 d	382,383,297,304	385
385	Calibrate SWEA/STE FM 1	0%	15 d	8/16/04	9/3/04	-42 d	384	386,333
386	SWEA/STE FM 1 Vibration	0%	5 d	10/19/04	10/25/04	-31 d	385,19	26SS,387
387	SWEA/STE-D FM 1 Thermal Vac/Thermal Balance/Bake Out	0%	14 d	10/26/04	11/15/04	-31 d	386	27SS,401
388	FM 2	44%	123 d	5/12/04	11/4/04	-22 d		
389	Integrate & Test STE-U FM 2 Interface Boards	100%	20 d	5/12/04	6/9/04	0 d	368,376	332
390	Integrate & Test SWEA/STE-D FM 2 Interface Boards	100%	20 d	5/24/04	6/21/04	0 d	337,344,352,360	391
391	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	390,74	392
392	Integrate & Test SWEA/STE-D FM 2 Combined	0%	10 d	9/9/04	9/22/04	-22 d	391,298,305	393
393	Calibrate SWEA/STE FM 2	0%	15 d	9/23/04	10/14/04	-22 d	392	394
394	SWEA/STE FM 2 Vibration	0%	5 d	10/15/04	10/21/04	-22 d	393	395,34SS
395	SWEA/STE-D FM 2 Thermal Vac & bake Out	0%	10 d	10/22/04	11/4/04	-22 d	394	334,35SS
396	Boom Suite I&T - UCB	11%	114 d	6/17/04	11/30/04	-22 d		
397	FM 1	27%	109 d	6/17/04	11/22/04	-31 d		
398	FM 1 Boom/MAG/STE-U I&T	100%	4 d	6/17/04	6/22/04	0 d	261,287,306	262
399	FM 1 Boom/SWEA/STE/MAG I&T	0%	2 d	9/7/04	9/8/04	-42 d	333,235	400
400	FM 1 Integrated Boom/IDPU I&T	0%	4 d	9/9/04	9/14/04	-42 d	399,235,211	401,859

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
401	Final BOOM Suite FM 1 I & T	0%	5 d	11/16/04	11/22/04	-31 d	400,387,226	5
402	FM 2	0%	73 d	8/16/04	11/30/04	-22 d		
403	FM 2 Boom/MAG/STE-U I&T	0%	4 d	8/16/04	8/19/04	12 d	282,288,307	283
404	FM 2 Boom/SWEA/STE/MAG I&T	0%	2 d	11/5/04	11/8/04	-22 d	334,236	405
405	FM 2 Integrated Boom/IDPU I&T	0%	4 d	11/9/04	11/15/04	-22 d	404,236,230	406
406	Boom Suite FM 2 EMC	0%	5 d	11/16/04	11/22/04	-22 d	405	36SS,407
407	Final BOOM Suite FM 2 I & T	0%	5 d	11/23/04	11/30/04	-22 d	406	6
408	SEP Suite - CIT	80%	400 d	6/2/03	12/31/04	-44 d		
409	SEP Mechanical - Sandy Shuman (GSFC)	72%	185 d	1/27/04	10/18/04	-33 d		
410	SIT Electronics Enclosure (Priority 1)	100%	70 d	2/9/04	5/17/04	0 d		
411	Complete Design/Drawings for SIT Enclosure	100%	10 d	2/9/04	2/23/04	0 d		412FS+32 d,416SS
412	Fabrication of SIT Enclosure	100%	21 d	4/8/04	5/6/04	0 d	411FS+32 d	413
413	Inspection and Final Assembly of SIT Enclosure	100%	6 d	5/7/04	5/14/04	0 d	412	414
414	Deliver SIT Enclosure to UMD	100%	1 d	5/17/04	5/17/04	0 d	413	789,808
415	SEP FM 1 & FM 2 LVPS Boxes (Priority 2)	100%	53 d	2/9/04	4/22/04	0 d		
416	Complete Design/Drawings for SEP LVPS Boxes	100%	5 d	2/9/04	2/13/04	0 d	411SS	417,421
417	Fabrication of SEP LVPS Boxes	100%	35 d	2/17/04	4/5/04	0 d	416	418
418	Inspection of SEP LVPS Boxes (Final Assembly at UCB)	100%	10 d	4/6/04	4/19/04	0 d	417	419
419	Deliver SEP LVPS Boxes to UCB	100%	3 d	4/20/04	4/22/04	0 d	418	125,144
420	SEP Electronics Enclosure (Priority 3)	100%	92 d	2/17/04	6/24/04	0 d		
421	Complete Design/Drawings for SEP Enclosure	100%	73 d	2/17/04	5/27/04	0 d	416	422FS-5 d,426FS-3 d
422	Fabrication of SEP Enclosure	100%	15 d	5/21/04	6/11/04	0 d	421FS-5 d	423
423	Inspection and Final Assembly of SEP Enclosure	100%	6 d	6/14/04	6/21/04	0 d	422	424
424	Deliver SEP Enclosure to CIT	100%	3 d	6/22/04	6/24/04	0 d	423	853,870
425	SEP Central Bias Supply Shields (Priority 4)	100%	20 d	5/25/04	6/22/04	0 d		
426	Complete Design/Drawings for Bias Supply Shields	100%	5 d	5/25/04	6/1/04	0 d	421FS-3 d	427,430FS-5 d
427	Fabrication of Bias Supply Shields	100%	10 d	6/2/04	6/15/04	0 d	426	428
428	Inspection and Delivery (to CIT) of Bias Supply Shields	100%	5 d	6/16/04	6/22/04	0 d	427	485
429	LET Telescope (Priority 5)	100%	24 d	5/25/04	6/28/04	0 d		
430	Complete Design/Drawings for LET Telescope	100%	5 d	5/25/04	6/1/04	0 d	426FS-5 d	431,435FS-14 d
431	Fabrication of LET Telescope	100%	10 d	6/2/04	6/15/04	0 d	430	432
432	Inspection and Final Assembly of LET Telescope (CIT has detectors)	100%	8 d	6/16/04	6/25/04	0 d	431	433
433	Deliver LET Telescope to CIT	100%	1 d	6/28/04	6/28/04	0 d	432	594,596
434	HET Electronics Enclosure (Priority 6)	100%	67 d	3/22/04	6/23/04	0 d		
435	Complete Design/Drawings for HET Enclosure	100%	23 d	3/22/04	6/2/04	0 d	430FS-14 d	436,440FF
436	Fabrication of HET Enclosure	100%	10 d	6/3/04	6/16/04	0 d	435	437
437	Inspection and Final Assembly of HET Enclosure	100%	5 d	6/17/04	6/23/04	0 d	436	438,442SS-3 d
438	Deliver HET Enclosure (stays at GSFC)	100%	0 d	6/23/04	6/23/04	0 d	437	442FS-8 d
439	HET Telescope (Priority 7)	100%	102 d	1/27/04	6/18/04	0 d		
440	On Going work for HET Telescope (Complete Design/Drawings & Prep for Fal	100%	89 d	1/27/04	6/2/04	0 d	435FF	441FS-3 d

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
441	Fabrication of HET Telescope	100%	10 d	5/28/04	6/11/04	0 d	440FS-3 d	442
442	Inspection and Final Assembly of HET Telescope	100%	5 d	6/14/04	6/18/04	0 d	441,437SS-3 d,438FS	443
443	Deliver HET Telescope (stays at GSFC)	100%	0 d	6/18/04	6/18/04	0 d	442	563,569
444	SIT Telescope (Priority 9)	32%	46 d	7/13/04	9/15/04	-11 d		
445	Complete Design/Drawings for SIT Telescope	70%	20 d	7/13/04	8/9/04	-40 d	897,898	446FS-10 d,457FS-1
446	Fabrication of SIT Telescope	16%	25 d	7/27/04	8/30/04	-50 d	445FS-10 d	447
447	Inspection and Final Assembly of SIT Telescope	0%	10 d	8/31/04	9/14/04	-50 d	446	448
448	Deliver SIT Telescope to UMD (Includes the Foils and Detectors)	0%	1 d	9/15/04	9/15/04	-50 d	447	808,789
449	Shipping Containers for HET, SIT & SEP Central (Priority 8)	100%	33 d	5/10/04	6/24/04	0 d		
450	Design	100%	15 d	5/10/04	5/28/04	0 d		451
451	Fabrication/Machining	100%	10 d	6/1/04	6/14/04	0 d	450	452
452	Inspection and Assembly	100%	5 d	6/15/04	6/21/04	0 d	451	453,454,455
453	HET Container stays at GSFC	100%	0 d	6/21/04	6/21/04	0 d	452	514,516
454	SIT Container to UMD	100%	1 d	6/22/04	6/22/04	0 d	452	707
455	SEP Central Container to CIT	100%	3 d	6/22/04	6/24/04	0 d	452	897
456	Remaining LET Brackets (Priority 10)	0%	34 d	7/26/04	9/10/04	-40 d		
457	Complete Drawings for Remaining LET Brackets	0%	13 d	7/26/04	8/18/04	-45 d	445FS-11 d	458,462FS-10 d
458	Fabrication of Remaining LET Brackets	0%	10 d	8/19/04	9/1/04	-39 d	457	459
459	Inspection and Final Assembly of Remaining LET Brackets	0%	5 d	9/2/04	9/9/04	-39 d	458	460
460	Deliver Remaining LET Brackets to CIT for SEP I&T	0%	1 d	9/10/04	9/10/04	-39 d	459	858
461	Rework of SEP Central MDM side panel (Priority 11)	0%	21 d	8/5/04	9/2/04	-45 d		
462	Complete Drawings for Reworked SEP Central MDM side panels	0%	5 d	8/5/04	8/11/04	-45 d	457FS-10 d	463,467
463	Fabrication of Reworked SEP Central MDM side panels	0%	10 d	8/12/04	8/25/04	-34 d	462	464
464	Inspection and Final Assembly of Reworked SEP Central MDM side panels	0%	5 d	8/26/04	9/1/04	-34 d	463	465
465	Deliver Reworked SEP Central MDM side panels to CIT for SEP I&T	0%	1 d	9/2/04	9/2/04	-34 d	464	858
466	Redesign of HET Housings (Priority 12)	0%	23 d	8/16/04	9/16/04	-47 d		
467	Complete Design/Drawings for Redesign of HET Housings	0%	8 d	8/16/04	8/25/04	-47 d	462	468,472
468	Fabrication of Redesigned HET Housings	0%	10 d	8/26/04	9/9/04	-47 d	467	469
469	Inspection and Final Assembly of Redesigned HET Housings	0%	5 d	9/10/04	9/16/04	-47 d	468	470
470	Deliver Redesigned HET Housings (stays at GSFC)	0%	0 d	9/16/04	9/16/04	-47 d	469	515,517
471	SIT Door (Priority 13)	0%	27 d	8/26/04	10/4/04	-47 d		
472	Complete Design/Drawings for SIT Door	0%	10 d	8/26/04	9/9/04	-47 d	467	473,478
473	Fabrication	0%	10 d	9/10/04	9/23/04	-36 d	472	474
474	Inspection	0%	5 d	9/24/04	9/30/04	-36 d	473	475
475	Final Assembly	0%	1 d	10/1/04	10/1/04	-36 d	474	476
476	Deliver SIT Door (stay at GSFC for Environmental Testing)	0%	1 d	10/4/04	10/4/04	-36 d	475	708,816
477	LET Radiation Test Fixture (Priority 14)	0%	26 d	9/10/04	10/18/04	-47 d		
478	Design	0%	5 d	9/10/04	9/16/04	-47 d	472	479
479	Fabrication	0%	10 d	9/17/04	9/30/04	-47 d	478	480
480	Inspection and Assembly	0%	10 d	10/1/04	10/15/04	-47 d	479	481

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
481	Deliver to CIT for SEP I&T	0%	1 d	10/18/04	10/18/04	-47 d	480	880
482	SEP Central - CIT	86%	285 d	8/1/03	9/17/04	-18 d		
483	Deliveries	0%	57 d	6/28/04	9/17/04	-18 d		
484	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	493,496,503,67FS+19	853
485	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	73,428,494,497,504	870
486	SEP Central Build 3 Software Complete	0%	0 d	7/29/04	7/29/04	17 d	510	853,870
487	Final SEP Central Flight Software Complete	0%	0 d	9/17/04	9/17/04	-40 d	511	19
488	Logic Board	100%	75 d	2/13/04	5/28/04	0 d		
489	Assembly	100%	10 d	2/13/04	2/27/04	0 d		
490	Assemble FM 1 SEP Central Logic board	100%	10 d	2/13/04	2/27/04	0 d		491SS,493
491	Assemble FM 2 SEP Central Logic board	100%	10 d	2/13/04	2/27/04	0 d	490SS	494
492	Test	100%	65 d	3/1/04	5/28/04	0 d		
493	Test FM 1 SEP Central Logic board (initial)	100%	20 d	3/1/04	3/26/04	0 d	490	484
494	Test FM 2 SEP Central Logic board (initial)	100%	65 d	3/1/04	5/28/04	0 d	491	485
495	Analog/Post-Reg Board	100%	0 d	1/27/04	1/27/04	0 d		
496	FM 1 Analog/Post-Reg Board Complete Test and awaiting Conformal Coat wii	100%	0 d	1/27/04	1/27/04	0 d		484
497	FM 2 Analog/Post-Reg Board Complete Test and awaiting Conformal Coat wii	100%	0 d	1/27/04	1/27/04	0 d		485
498	SEP Solid State Detector Bias Supply Board	100%	55 d	1/20/04	4/6/04	0 d		
499	Assembly & Initial Test	100%	40 d	1/20/04	3/16/04	0 d		
500	Assemble and Initial Test FM 1 SSD Bias Supply Board	100%	40 d	1/20/04	3/16/04	0 d		501SS,503
501	Assemble and Initial Test FM 2 SSD Bias Supply Board	100%	40 d	1/20/04	3/16/04	0 d	500SS	504
502	Final Test	100%	15 d	3/17/04	4/6/04	0 d		
503	Final Test FM 1 SSD Bias Supply Board	100%	15 d	3/17/04	4/6/04	0 d	500	484
504	Final Test FM 2 SSD Bias Supply Board	100%	15 d	3/17/04	4/6/04	0 d	501	485
505	Conformal Coat, Mass Properties and Bake Out (SEP Central, LET, SEP LVPS)	0%	15 d	7/21/04	8/10/04	-17 d		
506	Stake/Conformal Coat All SEP Central and LET Boards	0%	8 d	7/21/04	7/30/04	-17 d	902	507
507	Mass Properties/Photo All SEP Central and LET Boards	0%	4 d	8/2/04	8/5/04	-17 d	506	508
508	Bake Out All SEP Central/LET Boards and SEP LVPS FM 1	0%	3 d	8/6/04	8/10/04	-17 d	507,67	858
509	Flight Software	81%	285 d	8/1/03	9/17/04	-35 d		
510	SEP Central Build 3	92%	250 d	8/1/03	7/29/04	-40 d		511,486
511	Final Flight S/W Build	0%	35 d	7/30/04	9/17/04	-40 d	510	487
512	HET - Tycho (GSFC)	86%	180 d	1/6/04	9/20/04	-13 d		
513	Deliveries	60%	59 d	6/28/04	9/20/04	-13 d		
514	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	453,564	854
515	Deliver HET FM 1 w/ replacement detectors & FM 2 after coating (to CIT for S	0%	2 d	9/17/04	9/20/04	-47 d	470,567	857
516	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	570,453	867
517	Deliver HET FM 2 w/ replacement detectors (to CIT for SEP Suite I&T)	0%	2 d	9/17/04	9/20/04	-13 d	470,573	872
518	Deliver Final HET Flight Software to SEP I&T	100%	2 d	6/28/04	6/29/04	0 d	560	854
519	Detectors (Batch 1)	100%	40 d	1/6/04	3/3/04	0 d		
520	Receive & Inspect HET Flight Detectors	100%	40 d	1/6/04	3/3/04	0 d		522SS

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
521	Detector Testing	100%	40 d	1/6/04	3/3/04	0 d		
522	Capacitance, Current, Depletion, Alpha Resolution Testing	100%	40 d	1/6/04	3/3/04	0 d	520SS	523SS
523	Life Test HET Detectors	100%	40 d	1/6/04	3/3/04	0 d	522SS	563,569
524	Replacement HET Detectors (Batch 2)	73%	109 d	3/12/04	8/13/04	8 d		
525	Receive H1 Detector Mounts	100%	0 d	3/12/04	3/12/04	0 d		527
526	Receive H3 Detector Mounts	100%	0 d	3/26/04	3/26/04	0 d		527
527	Detector Mounting at Micron	100%	20 d	4/15/04	5/12/04	0 d	525,526	528
528	Detector Delivery to GSFC	100%	32 d	5/13/04	6/28/04	0 d	527	529FS-20 d
529	Detector Testing at GSFC	51%	63 d	5/17/04	8/13/04	8 d	528FS-20 d	572
530	Replacement HET Detectors (Batch 3)	0%	21 d	8/9/04	9/7/04	-8 d		
531	Receive H1 Detectors	0%	1 d	8/9/04	8/9/04	-8 d		533
532	Receive H3 Detectors	0%	1 d	8/16/04	8/16/04	-8 d		533FS-5 d
533	Detector Testing at GSFC	0%	20 d	8/10/04	9/7/04	-8 d	531,532FS-5 d	572
534	Electronics Board	76%	154 d	1/22/04	8/27/04	-2 d		
535	Assembly	100%	38 d	1/22/04	3/16/04	0 d		
536	Install Socket on HET Electronics FM 1 Board for ETU ACTEL	100%	1 d	1/22/04	1/22/04	0 d		537
537	Complete Population of HET Electronics FM 1 Board (ETU ACTEL)	100%	1 d	1/23/04	1/23/04	0 d	536	541,538
538	Complete Population of HET Electronics FM 2 Board (Flight ACTEL)	100%	2 d	3/15/04	3/16/04	0 d	537,544,582	548
539	Test	75%	152 d	1/26/04	8/27/04	-2 d		
540	FM 1	77%	152 d	1/26/04	8/27/04	-36 d		
541	Test HET FM 1 Electronics Board w/ETU ACTEL	100%	23 d	1/26/04	2/26/04	0 d	537	548,542
542	Remove ETU ACTEL and socket from HET FM 1 Electronics Board	100%	0.5 d	2/27/04	2/27/04	0 d	541	543
543	Install Flight ACTEL on HET FM 1 Electronics Board	100%	0.5 d	2/27/04	2/27/04	0 d	542	544
544	Retest HET FM 1 Electronics Board w/Flight ACTEL	100%	10 d	3/1/04	3/12/04	0 d	543	545FS+61 d,538
545	Clean, Bake, Conformal Coat HET FM 1 Electronics Board	0%	5 d	8/16/04	8/20/04	-36 d	544FS+61 d,565FS+1	546
546	Retest Conformal Coated HET FM 1 Electronics Board	0%	5 d	8/23/04	8/27/04	-36 d	545	566
547	FM 2	71%	116 d	3/17/04	8/27/04	-2 d		
548	Test HET FM 2 Electronics Board	100%	25 d	3/17/04	4/20/04	0 d	538,541	569
549	Clean, Bake, Conformal Coat HET FM 2 Electronics Board	0%	5 d	8/16/04	8/20/04	-2 d	571FS+16 d	550
550	Retest Conformal Coated HET FM 2 Electronics Board	0%	5 d	8/23/04	8/27/04	-2 d	549	572
551	Flight Software	100%	110 d	1/22/04	6/25/04	0 d		
552	Design	100%	71 d	1/22/04	4/30/04	0 d		
553	Complete Definition of HET PH Event Processing	100%	22 d	1/22/04	2/23/04	0 d		556
554	Design Change of HET PH Event Processing	100%	20 d	4/5/04	4/30/04	0 d		560
555	Coding	100%	64 d	2/24/04	5/21/04	0 d		
556	Code HET PH Event Processing Update for Flight	100%	59 d	2/24/04	5/14/04	0 d	553	557FS-15 d
557	Code HET Telemetry Formatting Update for Flight	100%	34 d	3/12/04	5/21/04	0 d	556FS-15 d	567
558	Test	100%	68 d	3/23/04	6/25/04	0 d		
559	Test Integrated HET S/W with Simulated Data	100%	63 d	3/23/04	6/18/04	0 d		560
560	Verify HET On-Board Software	100%	5 d	6/21/04	6/25/04	0 d	554,559	563FS-10 d,569FS-1

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
561	Integration & Test	71%	57 d	6/21/04	9/9/04	-8 d		
562	FM 1	71%	51 d	6/21/04	8/31/04	-28 d		
563	Integrate HET FM 1 Electronics Telescope (Ahead)	100%	3 d	6/21/04	6/23/04	0 d	523,560FS-10 d,443	564
564	Test HET FM 1 Telescope (Ahead)	100%	2 d	6/24/04	6/25/04	0 d	563	514
565	Receive HET FM1 from CIT	100%	0 d	7/22/04	7/22/04	0 d	901	566,545FS+16 d
566	Install new HET Flight Detectors in FM 1	0%	1 d	8/30/04	8/30/04	-36 d	565,546	567
567	Performance Test FM 1 with New Flight Detectors	0%	1 d	8/31/04	8/31/04	-36 d	566,557	515
568	FM 2	71%	57 d	6/21/04	9/9/04	-8 d		
569	Integrate HET FM 2 Electronics Telescope (Behind)	100%	3 d	6/21/04	6/23/04	0 d	523,560FS-10 d,443,5	570
570	Test HET FM 2 Telescope (Behind)	100%	2 d	6/24/04	6/25/04	0 d	569	516
571	Receive HET FM2 from CIT	100%	0 d	7/22/04	7/22/04	0 d	903	572,549FS+16 d
572	Install new HET Flight Detectors in FM 2	0%	1 d	9/8/04	9/8/04	-8 d	529,571,550,533	573
573	Performance Test FM 2 with New Flight Detectors	0%	1 d	9/9/04	9/9/04	-8 d	572	517
574	LET - CIT	97%	291 d	7/14/03	9/7/04	15 d		
575	Deliveries	100%	4 d	6/25/04	7/1/04	0 d		
576	Deliver LET FM 1 (stays at CIT for SEP I&T)	100%	0 d	7/1/04	7/1/04	0 d	594	856
577	Deliver LET FM 2 (stays at CIT for SEP I&T)	100%	0 d	7/1/04	7/1/04	0 d	596	869
578	Deliver LET Flight Software Build 3	100%	0 d	6/25/04	6/25/04	0 d	591	869
579	Detectors	100%	167 d	7/14/03	3/12/04	0 d		
580	Complete LET Flight Detector Testing	100%	167 d	7/14/03	3/12/04	0 d		594,596
581	Hybrids	100%	144 d	8/1/03	3/1/04	0 d		
582	Complete Test of Flight Hybrids (LET and to GSFC for HET FM 2)	100%	144 d	8/1/03	3/1/04	0 d		585,586,538
583	Detector/Misc Board	100%	82 d	3/2/04	6/24/04	0 d		
584	Assembly	100%	10 d	3/2/04	3/15/04	0 d		
585	Assemble LET FM 1 Detector Board	100%	10 d	3/2/04	3/15/04	0 d	582	588
586	Assemble LET FM 2 Detector Board	100%	10 d	3/2/04	3/15/04	0 d	582	589
587	Test	100%	72 d	3/16/04	6/24/04	0 d		
588	Test LET FM 1 Detector Board	100%	72 d	3/16/04	6/24/04	0 d	585	594
589	Test LET FM 2 Detector Board	100%	72 d	3/16/04	6/24/04	0 d	586	596
590	Flight Software	100%	227 d	8/1/03	6/25/04	0 d		
591	Let Flight Software Build 3	100%	227 d	8/1/03	6/25/04	0 d		578
592	Integration & Test	100%	3 d	6/29/04	7/1/04	0 d		
593	FM 1	100%	3 d	6/29/04	7/1/04	0 d		
594	Integrate LET FM 1 Housing With Detectors	100%	3 d	6/29/04	7/1/04	0 d	580,433,588	576
595	FM 2	100%	3 d	6/29/04	7/1/04	0 d		
596	Integrate LET FM 2 Housing With Detectors	100%	3 d	6/29/04	7/1/04	0 d	580,433,589	577
597	Rework for L1 Detector Mounts	0%	27 d	7/30/04	9/7/04	15 d		
598	Order boards	0%	1 d	7/30/04	7/30/04	15 d		599FS+5 d
599	Receive Boards (from Pioneer)	0%	1 d	8/9/04	8/9/04	15 d	598FS+5 d	600
600	Repair Spare Detectors (JPL)	0%	15 d	8/10/04	8/30/04	15 d	599	601

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
601	Test Detectors	0%	5 d	8/31/04	9/7/04	15 d	600	
602	SEPT - Kiel/ESTEC	76%	336 d	8/8/03	12/9/04	-34 d		
603	Deliveries	0%	75 d	8/23/04	12/9/04	-34 d		
604	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	651	863
605	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	667	863
606	Final Delivery of SEPT FM 1 to APL	0%	2 d	11/24/04	11/26/04	-34 d	637,655,671	7
607	Deliver SEPT-NS FM 2 to CIT for Suite EMC and final delivery to APL	0%	5 d	12/3/04	12/9/04	-34 d	688	892
608	Deliver SEPT-E FM 2 to CIT for Suite EMC and final delivery to APL	0%	5 d	12/3/04	12/9/04	-34 d	704	892
609	Mechanical Assembly	100%	46 d	12/22/03	2/27/04	0 d		
610	FM 1	100%	13 d	12/22/03	1/9/04	0 d		
611	Assemble SEPT-NS FM 1 Sensor and E-Box Housing	100%	13 d	12/22/03	1/9/04	0 d		614SS+4 d,641
612	Assemble SEPT-E FM 1 Sensor and E-Box Housing	100%	13 d	12/22/03	1/9/04	0 d		615SS+4 d,657
613	FM 2	100%	14 d	12/29/03	1/16/04	0 d		
614	Assemble SEPT-NS FM 2 Sensor and E-Box Housing	100%	14 d	12/29/03	1/16/04	0 d	611SS+4 d	617,674
615	Assemble SEPT-E FM 2 Sensor and E-Box Housing	100%	14 d	12/29/03	1/16/04	0 d	612SS+4 d	617
616	Spare	100%	28 d	1/20/04	2/27/04	0 d		
617	Assemble SEPT Spare Sensor and E-Box Housing	100%	28 d	1/20/04	2/27/04	0 d	614,615	
618	Electronics	91%	272 d	8/8/03	9/7/04	19 d		
619	Assembly	100%	172 d	8/8/03	4/15/04	0 d		
620	FM 2	100%	106 d	8/8/03	1/12/04	0 d		
621	Assemble SEPT-NS FM 2 Electronics	100%	106 d	8/8/03	1/12/04	0 d		624SS,627
622	Assemble SEPT-E FM 2 Electronics	100%	92 d	8/8/03	12/19/03	0 d		628FS-7 d
623	Spare	100%	172 d	8/8/03	4/15/04	0 d		
624	Assemble SEPT FS Electronics	100%	172 d	8/8/03	4/15/04	0 d	621SS	635
625	Test	73%	187 d	12/11/03	9/7/04	19 d		
626	FM 2	69%	183 d	12/11/03	8/31/04	19 d		
627	SEPT-NS FM 2 Electronics Test	100%	4 d	1/13/04	1/16/04	0 d	621	629
628	SEPT-E FM 2 Electronics Test	100%	4 d	12/11/03	12/16/03	0 d	622FS-7 d	630
629	Coat SEPT-NS FM 2 Electronics Board	100%	4 d	1/20/04	1/23/04	0 d	627	631
630	Coat SEPT-E FM 2 Electronics Board	100%	5 d	12/17/03	12/23/03	0 d	628	632
631	SEPT-NS FM 2 Mechanical Integration	100%	5 d	1/26/04	1/30/04	0 d	629	
632	SEPT-E FM 2 Mechanical Integration	100%	13 d	12/24/03	1/13/04	0 d	630	
633	Repair SEPT-NS FM 2 Electronic Board for use as Spare	59%	104 d	4/6/04	8/31/04	19 d	679SS	637
634	Spare	89%	94 d	4/26/04	9/7/04	19 d		
635	SEPT Flight Spare Electronics Test	100%	5 d	4/26/04	4/30/04	0 d	624	636
636	Coat SEPT FS Electronics Board	100%	29 d	5/10/04	6/18/04	0 d	635	637,683
637	SEPT FS Mechanical Integration	0%	4 d	9/1/04	9/7/04	19 d	636,633	606
638	Integration & Test	62%	226 d	1/12/04	12/2/04	-34 d		
639	FM 1	62%	220 d	1/12/04	11/23/04	-34 d		
640	SEPT-NS	62%	211 d	1/26/04	11/23/04	-34 d		

ID		Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
641		SEPT-NS FM 1 Integration & Test	100%	5 d	1/26/04	1/30/04	0 d	611	642
642		Muon and Radioactive Source Test	100%	5 d	2/2/04	2/6/04	0 d	641	643
643		SEPT-NS FM 1 Vibration	100%	4 d	2/19/04	2/24/04	0 d	642	644FS+2 d,38SS,67
644		SEPT-NS FM 1 Thermal Vac	100%	11 d	2/27/04	3/12/04	0 d	643FS+2 d	645FS-6 d,39SS,660
645		SEPT-NS FM 1 Bake Out	100%	2 d	3/5/04	3/8/04	0 d	644FS-6 d	40SS,646FS+20 d
646		SEPT-NS FM 1 Repair	76%	82 d	4/6/04	7/30/04	-20 d	645FS+20 d	650
647		SEPT-NS FM 1 Initial Repair	100%	45 d	4/6/04	6/8/04	0 d		648
648		SEPT-NS FM 1 Titanium Parts Repair (GSFC)	100%	17 d	6/9/04	7/1/04	0 d	647	649
649		SEPT-NS FM 1 Final Repair	0%	20 d	7/2/04	7/30/04	-31 d	648	
650		SEPT-NS FM 1 Post Repair Integration & Test	0%	5 d	8/2/04	8/6/04	-31 d	646	683,651
651		Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	650,684SS	604
652		SEPT-NS FM 1 Install Thermal H/W (GSFC)	0%	4 d	10/19/04	10/22/04	-34 d	19	653,685SS
653		SEPT-NS FM 1 Thermal Balance (at GSFC after Suite EMC)	0%	10 d	10/25/04	11/5/04	-34 d	652	41SS,654
654		SEPT-NS FM 1 Post Repair Vibration (ESTEC)	0%	5 d	11/8/04	11/15/04	-34 d	653	655
655		SEPT-NSFM 1 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/16/04	11/23/04	-35 d	654	606,688
656		SEPT-E	62%	220 d	1/12/04	11/23/04	-34 d		
657		SEPT-E FM 1 Integration & Test	100%	5 d	1/12/04	1/16/04	0 d	612	658,690SS
658		Muon and Radioactive Source Test	100%	5 d	1/29/04	2/4/04	0 d	657	659,691SS
659		SEPT-E FM 1 Vibration	100%	4 d	2/19/04	2/24/04	0 d	658,643SS	660
660		SEPT-E FM 1 Thermal Vac	100%	11 d	2/27/04	3/12/04	0 d	659,644SS	661FS-6 d,39SS
661		SEPT-E FM 1 Bake Out	100%	2 d	3/5/04	3/8/04	0 d	660FS-6 d	40SS,662FS+20 d
662		SEPT-E FM 1 Repair	76%	82 d	4/6/04	7/30/04	-20 d	661FS+20 d	666
663		SEPT-E FM 1 Initial Repair	100%	45 d	4/6/04	6/8/04	0 d		664
664		SEPT-E FM 1 Titanium Parts Repair (at GSFC then shipped ba	100%	17 d	6/9/04	7/1/04	0 d	663	665
665		SEPT-E FM 1 Final Repair	0%	20 d	7/2/04	7/30/04	-31 d	664	
666		SEPT-E FM 1 Post Repair Integration & Test	0%	5 d	8/2/04	8/6/04	-31 d	662	699,667
667		Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	666,700SS	605
668		SEPT-E FM 1 Install Thermal H/W (GSFC)	0%	4 d	10/19/04	10/22/04	-34 d	19	669,701SS
669		SEPT-E FM 1Thermal Balance (at GSFC after Suite EMC)	0%	10 d	10/25/04	11/5/04	-34 d	668,702SS	41SS,670
670		SEPT-E FM1 Post Repair Vibration (ESTEC)	0%	5 d	11/8/04	11/15/04	-34 d	669	671
671		SEPT-E FM1 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/16/04	11/23/04	-35 d	670	606,704
672		FM 2	62%	226 d	1/12/04	12/2/04	-34 d		
673		SEPT-NS	62%	221 d	1/20/04	12/2/04	-34 d		
674		SEPT-NS FM 2 Integration & Test	100%	8 d	1/20/04	1/29/04	0 d	614	675
675		Muon and Radioactive Source Test	100%	6 d	1/30/04	2/6/04	0 d	674	676
676		SEPT-NS FM 2 Vibration	100%	4 d	2/19/04	2/24/04	0 d	675,643SS	677,52SS
677		SEPT-NS FM 2 Thermal Vac	100%	9 d	3/5/04	3/17/04	0 d	676	678FS-4 d,53SS,693
678		SEPT-NS FM 2 Bake Out	100%	2 d	3/12/04	3/15/04	0 d	677FS-4 d	54SS,679FS+15 d
679		SEPT-NS FM 2 Repair	76%	82 d	4/6/04	7/30/04	-20 d	678FS+15 d	633SS,683
680		SEPT-NS FM 2 Initial Repair	100%	45 d	4/6/04	6/8/04	0 d		681

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
681	SEPT-NS FM 2 Titanium Parts Repair (at GSFC then shipped to	100%	17 d	6/9/04	7/1/04	0 d	680	682
682	SEPT-NS FM 2 Final Repair	0%	20 d	7/2/04	7/30/04	-26 d	681	
683	SEPT-NS FM 2 Post Repair Integration & Test	0%	5 d	8/9/04	8/13/04	-31 d	636,679,650	684
684	Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	683	651SS,685
685	SEPT-NS FM 2 Install Thermal H/W (GSFC)	0%	4 d	10/19/04	10/22/04	-28 d	684,652SS	686
686	SEPT-NS FM 2 Thermal Balance (GSFC)	0%	10 d	10/25/04	11/5/04	-28 d	685	687
687	SEPT-NS FM 2 Post Repair Vibration (ESTEC)	0%	5 d	11/8/04	11/15/04	-28 d	686	688
688	SEPT-NS FM 2 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/24/04	12/2/04	-34 d	687,655	607
689	SEPT-E	61%	226 d	1/12/04	12/2/04	-34 d		
690	SEPT-E FM 2 Integration & Test	100%	5 d	1/12/04	1/16/04	0 d	657SS	691
691	Muon and Radioactive Source Test	100%	5 d	1/29/04	2/4/04	0 d	690,658SS	692
692	SEPT-E FM 2 Vibration	100%	4 d	2/19/04	2/24/04	0 d	691,643SS	693
693	SEPT-E FM 2 Thermal Vac	100%	9 d	3/5/04	3/17/04	0 d	692,677SS	694FS-4 d,53SS
694	SEPT-E FM 2 Bake Out	100%	2 d	3/12/04	3/15/04	0 d	693FS-4 d	54SS,695FS+15 d
695	SEPT-E FM 2 Repair	76%	82 d	4/6/04	7/30/04	-20 d	694FS+15 d	699
696	SEPT-E FM 2 Initial Repair	100%	45 d	4/6/04	6/8/04	0 d		697
697	SEPT-E FM 2 Titanium Parts Repair (at GSFC then shipped ba	100%	17 d	6/9/04	7/1/04	0 d	696	699,698
698	SEPT-E FM 2 Final Repair	0%	20 d	7/2/04	7/30/04	-26 d	697	
699	SEPT-E FM 2 Post Repair Integration & Test	0%	5 d	8/9/04	8/13/04	-31 d	697,695,666	700
700	Cleaning, Packing, Customs, Transport	0%	5 d	8/16/04	8/20/04	-31 d	699	667SS
701	SEPT-E FM 2 Install Thermal H/W (GSFC)	0%	4 d	10/19/04	10/22/04	-34 d	668SS	702
702	SEPT-E FM 2 Thermal Balance (GSFC)	0%	10 d	10/25/04	11/5/04	-34 d	701	703,669SS
703	SEPT-E FM 2 Post Repair Vibration (ESTEC)	0%	5 d	11/8/04	11/15/04	-28 d	702	704
704	SEPT-E FM 2 Post Repair Thermal Vac (ESTEC)	0%	6 d	11/24/04	12/2/04	-34 d	703,671	608
705	SIT - UMD	84%	396 d	6/2/03	12/27/04	-45 d		
706	Deliveries	0%	60 d	9/30/04	12/27/04	-50 d		
707	Deliver SIT FM 1 to CIT for SEP I&T and Suite EMC	0%	2 d	9/30/04	10/1/04	-50 d	454,792	840,861
708	Deliver SIT FM 1 back to GSFC for Environmental Testing (after EMC Test)	0%	2 d	10/19/04	10/20/04	-45 d	19,476	819,816
709	Final Delivery of SIT FM 1 to APL	0%	1 d	12/13/04	12/13/04	-45 d	826	7
710	Final Delivery of SIT FM 2 to CIT for Suite EMC	0%	1 d	12/27/04	12/27/04	-45 d	834,840	893
711	ACTEL - for SIT Logic Board	100%	1 d	5/24/04	5/24/04	0 d		
712	Burn Final SIT ACTEL Chip w/latest algorithm (at GSFC)	100%	1 d	5/24/04	5/24/04	0 d		713
713	Evaluate (Test) SIT Final ACTEL Chip	100%	0 d	5/24/04	5/24/04	0 d	712	742,744
714	TOF Boards	100%	119 d	2/12/04	7/30/04	0 d		
715	Receive Analog and Digital TOF Boards (FM 1)	100%	0 d	2/12/04	2/12/04	0 d		719,721
716	Receive Analog and Digital TOF Boards (FM 2)	100%	20 d	3/25/04	5/28/04	0 d	719FS+32 d	721FS+38 d
717	Test	100%	108 d	3/1/04	7/30/04	0 d		
718	FM 1	100%	18 d	3/1/04	3/24/04	0 d		
719	FM 1 TOF Boards Functional Test	100%	18 d	3/1/04	3/24/04	0 d	715	800,716FS+32 d
720	FM 2	100%	5 d	7/26/04	7/30/04	0 d		



ID		Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
721	✓	FM 2 TOF Boards Functional Test	100%	5 d	7/26/04	7/30/04	0 d	715,716FS+38 d	809
722	✓	Energy Board	100%	143 d	11/10/03	6/4/04	0 d		
723	✓	Assembly	100%	114 d	11/10/03	4/23/04	0 d		
724	✓	FM 1	100%	92 d	11/10/03	3/24/04	0 d		
725	✓	Assemble FM 1 Energy Board	100%	92 d	11/10/03	3/24/04	0 d		730,727FF+22 d
726	✓	FM 2	100%	114 d	11/10/03	4/23/04	0 d		
727	✓	Assemble FM 2 Energy Board	100%	82 d	11/10/03	4/23/04	0 d	725FF+22 d	734
728	✓	Test	100%	51 d	3/25/04	6/4/04	0 d		
729	✓	FM 1	100%	50 d	3/25/04	6/3/04	0 d		
730	✓	Bench Test/Calibration	100%	47 d	3/25/04	5/28/04	0 d	725	731
731	✓	Thermal	100%	3 d	6/1/04	6/3/04	0 d	730	732SS
732	✓	Voltage Margin	100%	2 d	6/1/04	6/2/04	0 d	731SS	734FS-5 d,800
733	✓	FM 2	100%	7 d	5/26/04	6/4/04	0 d		
734	✓	FM 2 Energy Board Functional Test	100%	7 d	5/26/04	6/4/04	0 d	727,732FS-5 d	809
735	✓	Logic Board	100%	180 d	11/10/03	7/28/04	0 d		
736	✓	Design	100%	3 d	11/17/03	11/19/03	0 d		
737	✓	Layout new Logic Board Design	100%	3 d	11/17/03	11/19/03	0 d		739
738	✓	Fabrication	100%	10 d	3/8/04	3/19/04	0 d		
739	✓	FM 1 & FM 2 Logic Board Fabrication	100%	10 d	3/8/04	3/19/04	0 d	737,747	749
740	✓	Assembly	100%	40 d	5/25/04	7/21/04	0 d		
741	✓	FM 1	100%	8 d	5/25/04	6/4/04	0 d		
742	✓	Assemble FM 1 Logic Board with Flight ACTELS	100%	8 d	5/25/04	6/4/04	0 d	749,713	751
743	✓	FM 2	100%	3 d	7/19/04	7/21/04	0 d		
744	✓	Assemble FM 2 Logic Board with Flight ACTELS	100%	3 d	7/19/04	7/21/04	0 d	749,713,751FS+18 d	753
745	✓	Test	100%	180 d	11/10/03	7/28/04	0 d		
746	✓	ETU	100%	79 d	11/10/03	3/5/04	0 d		
747	✓	Test New ETU Logic Board	100%	79 d	11/10/03	3/5/04	0 d		739
748	✓	FM1 & FM 2	100%	8 d	3/22/04	3/31/04	0 d		
749	✓	Coupon Testing	100%	8 d	3/22/04	3/31/04	0 d	739	742,744
750	✓	FM 1	100%	11 d	6/7/04	6/21/04	0 d		
751	✓	Functional Test of FM 1 Logic Board w/Flight ACTELS	100%	11 d	6/7/04	6/21/04	0 d	742	800,744FS+18 d
752	✓	FM 2	100%	5 d	7/22/04	7/28/04	0 d		
753	✓	Functional Test of FM 2 Logic Board w/Flight ACTELS	100%	5 d	7/22/04	7/28/04	0 d	744	809
754	✓	Mother Board	100%	127 d	12/22/03	6/22/04	0 d		
755	✓	Design	100%	67 d	12/22/03	3/29/04	0 d		
756	✓	FM 1 & FM 2	100%	67 d	12/22/03	3/29/04	0 d		
757	✓	Finalize Mother Board Layout	100%	30 d	12/22/03	2/4/04	0 d		758
758	✓	Redesign Mother Board Layout	100%	17 d	3/5/04	3/29/04	0 d	757,768	762
759	✓	Fabrication	100%	52 d	2/5/04	4/19/04	0 d		
760	✓	FM 1 & FM 2	100%	52 d	2/5/04	4/19/04	0 d		

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
761	Fabricate FM 1 & FM 2 Mother Boards	100%	15 d	2/5/04	2/26/04	0 d		764
762	Refabricate FM1 & FM2 Mother Boards	100%	15 d	3/30/04	4/19/04	0 d	768,758	769
763	Assembly	100%	10 d	5/10/04	5/21/04	0 d		
764	Assemble FM 1 Mother Board	100%	10 d	5/10/04	5/21/04	0 d	761,769FS+9 d	765SS,771FS+14 d
765	Assemble FM 2 Mother Board	100%	10 d	5/10/04	5/21/04	0 d	764SS	773
766	Test	100%	82 d	2/27/04	6/22/04	0 d		
767	FM 1 & FM 2	100%	42 d	2/27/04	4/26/04	0 d		
768	Coupon Testing of Mother Boards	100%	5 d	2/27/04	3/4/04	0 d		762,758
769	Coupon Testing of 2nd Mother Boards	100%	5 d	4/20/04	4/26/04	0 d	762	764FS+9 d
770	FM 1	100%	7 d	6/14/04	6/22/04	0 d		
771	Functional Test FM 1 Mother Board	100%	7 d	6/14/04	6/22/04	0 d	764FS+14 d	773SS+1 d,800
772	FM 2	100%	6 d	6/15/04	6/22/04	0 d		
773	Functional Test FM 2 Mother Board	100%	6 d	6/15/04	6/22/04	0 d	765,771SS+1 d	809
774	HVPS	75%	164 d	1/12/04	9/1/04	-36 d		
775	Test	75%	164 d	1/12/04	9/1/04	-36 d		
776	FM 1	100%	30 d	1/12/04	2/24/04	0 d		
777	Functional Test SIT FM 1 HVPS	100%	30 d	1/12/04	2/24/04	0 d	70	799
778	FM 2	0%	10 d	8/19/04	9/1/04	-36 d		
779	Functional Test SIT FM 2 HVPS	0%	10 d	8/19/04	9/1/04	-36 d	76	808
780	Flight Software	100%	235 d	6/2/03	5/6/04	0 d		
781	Test	100%	235 d	6/2/03	5/6/04	0 d		
782	FM 1 & FM 2	100%	235 d	6/2/03	5/6/04	0 d		
783	Validate SIT On-Board Code	100%	235 d	6/2/03	5/6/04	0 d		806
784	Integration & Test (using ETU Telescope for FM 1)	29%	183 d	2/25/04	11/12/04	-45 d		
785	FM 1 (Flight Telescope)	0%	35 d	8/11/04	9/29/04	-32 d		
786	Disassemble SIT FM 1	0%	1 d	8/16/04	8/16/04	-31 d	788	787
787	Conformal Coat SIT FM 1 Boards (includes FM 1 LVPS)	0%	2 d	8/17/04	8/18/04	-31 d	786	789
788	SIT FM 1 end-to-end test at Accelerator w/ ETU Telescope (at Brookhav	0%	3 d	8/11/04	8/13/04	-5 d	806	786
789	Assemble SIT FM 1 with Flight Telescope	0%	2 d	9/16/04	9/17/04	-50 d	414,448,787	790
790	Test and Trim SIT FM 1 w/Flight Telescope	0%	1 d	9/20/04	9/20/04	-50 d	789	791
791	Bench Calibration SIT FM 1 w/Flight Telescope	0%	3 d	9/21/04	9/23/04	-50 d	790	792
792	Vacuum Test SIT FM 1 w/Flight Telescope	0%	4 d	9/24/04	9/29/04	-50 d	791	707
793	FM 2	0%	9 d	11/1/04	11/12/04	-45 d		
794	Disassemble SIT FM 2	0%	1 d	11/1/04	11/1/04	-45 d	815	795
795	Conformal Coat SIT FM 2 Boards	0%	2 d	11/2/04	11/3/04	-45 d	794	796
796	Reassemble SIT FM 2	0%	1 d	11/4/04	11/4/04	-45 d	795	797
797	Post-Coat Retest SIT FM 2	0%	5 d	11/5/04	11/12/04	-45 d	796	828
798	FM 1 (ETU Telescope)	64%	123 d	2/25/04	8/17/04	-5 d		
799	Integrate SIT FM 1 HVPS and SIT ETU Telescope Without Electronics	100%	3 d	2/25/04	2/27/04	0 d	777	800
800	Integrate Electronics to SIT ETU Telescope	100%	12 d	6/23/04	7/9/04	0 d	751,719,771,732,799	801

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
801	SIT FM 1 Debug	100%	5 d	7/12/04	7/16/04	0 d	800	802
802	SIT FM 1 Bench Test	100%	5 d	7/19/04	7/23/04	0 d	801	803
803	SIT FM 1 Alpha TEST	45%	11 d	7/26/04	8/9/04	-5 d	802	804FS-5 d
804	SIT FM 1 Noise Removal	0%	5 d	8/3/04	8/9/04	-5 d	803FS-5 d	805,813
805	SIT FM 1 Thermal Test	0%	5 d	8/10/04	8/16/04	-5 d	804	806
806	SIT FM 1 Functional Test	0%	1 d	8/17/04	8/17/04	-5 d	805,783	788
807	FM 2	0%	31 d	9/16/04	10/29/04	-45 d		
808	Integrate SIT FM 2 HVPS and SIT FM 2 Telescope Without Electronics	0%	3 d	9/16/04	9/20/04	-45 d	779,414,448	809
809	Integrate Electronics to SIT FM 2 Telescope	0%	2 d	9/21/04	9/22/04	-45 d	753,721,773,734,808	810
810	SIT FM 2 Debug	0%	5 d	9/23/04	9/29/04	-45 d	809	811
811	SIT FM 2 Bench Test	0%	5 d	9/30/04	10/6/04	-45 d	810	812
812	SIT FM 2 Alpha Test	0%	5 d	10/7/04	10/14/04	-45 d	811	813
813	SIT FM 2 Noise Removal	0%	5 d	10/15/04	10/21/04	-45 d	812,804	814
814	SIT FM 2 Thermal Test	0%	5 d	10/22/04	10/28/04	-45 d	813	815
815	SIT FM 2 Functional Test	0%	1 d	10/29/04	10/29/04	-45 d	814	794
816	Integrate SIT Door FM 1	0%	1 d	10/21/04	10/21/04	-45 d	708,476	817,819
817	Integrate SIT Door FM 2	0%	1 d	10/22/04	10/22/04	-31 d	816	828
818	Environmental Testing at GSFC (FM 1)	0%	34 d	10/22/04	12/10/04	-45 d		
819	SIT FM 1 Vibration and Acoustics	0%	10 d	10/22/04	11/4/04	-45 d	708,816	820,43SS
820	Functional Test	0%	1 d	11/5/04	11/5/04	-45 d	819	821
821	SIT FM 1 Thermal Balance	0%	5 d	11/8/04	11/15/04	-45 d	820	822,45SS
822	SIT FM 1 Thermal Vac	0%	10 d	11/16/04	11/30/04	-45 d	821	823,47SS
823	Disassemble SIT Instruments	0%	2 d	12/1/04	12/2/04	-45 d	822	824
824	Bake Out	0%	3 d	12/3/04	12/7/04	-45 d	823	825,49SS
825	Reassemble Instruments	0%	2 d	12/8/04	12/9/04	-45 d	824	826
826	Functional Test	0%	1 d	12/10/04	12/10/04	-45 d	825	709
827	Environmental Testing at GSFC (FM 2)	0%	29 d	11/15/04	12/24/04	-45 d		
828	SIT FM 2 Vibration and Acoustics	0%	10 d	11/15/04	11/29/04	-45 d	817,797	829,59SS
829	Functional Test	0%	1 d	11/30/04	11/30/04	-45 d	828	830
830	SIT FM 2 Thermal Vac	0%	10 d	12/1/04	12/14/04	-45 d	829	831,61SS
831	Disassemble SIT Instruments	0%	2 d	12/15/04	12/16/04	-45 d	830	832
832	Bake Out	0%	3 d	12/17/04	12/21/04	-45 d	831	833,62SS
833	Reassemble Instruments	0%	2 d	12/22/04	12/23/04	-45 d	832	834
834	Functional Test	0%	1 d	12/24/04	12/24/04	-45 d	833	710
835	Emulators/Simulators/GSE	84%	241 d	12/17/03	12/1/04	-28 d		
836	Simulators	100%	104 d	12/17/03	5/14/04	0 d		
837	Labview CPU Ready	100%	104 d	12/17/03	5/14/04	0 d		838SS
838	Test Simulator	100%	104 d	12/17/03	5/14/04	0 d	837SS	840
839	GSE	0%	40 d	10/4/04	12/1/04	-28 d		
840	Pulse Generator	0%	40 d	10/4/04	12/1/04	-28 d	707,838	710

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
841	SEP Suite I&T - CIT	65%	357 d	8/1/03	12/31/04	-44 d		
842	ETU	100%	5 d	1/26/04	1/30/04	0 d		
843	Complete Integration/Test of SEP Central EM with Sensors	100%	5 d	1/26/04	1/30/04	0 d		
844	FM 1 & FM 2	29%	73 d	6/16/04	9/28/04	-46 d		
845	Generate HET integration & test procedure	100%	5 d	6/17/04	6/23/04	0 d	854FS-10 d	855,868
846	Generate LET integration & test procedure	100%	5 d	6/16/04	6/22/04	0 d	855FS-10 d	856,869
847	Generate SEPT integration & test procedure	0%	5 d	9/9/04	9/15/04	-42 d	863FS-10 d	864
848	Generate SEP-IDPU integration procedure	0%	5 d	9/8/04	9/14/04	-46 d	857FS-10 d	849,859,873
849	Generate SEP-IDPU test procedure	0%	5 d	9/15/04	9/21/04	-46 d	848	860,874
850	Generate SIT integration & test procedure	0%	5 d	9/21/04	9/27/04	-45 d	861FS-10 d	862
851	Generate SEP system test procedure	0%	5 d	9/22/04	9/28/04	-50 d	862FS-10 d	865,875
852	FM 1	31%	69 d	6/29/04	10/5/04	-50 d		
853	Integrate/test SEP Central FM 1	100%	2 d	7/1/04	7/2/04	0 d	484,486,424	855FS-4 d
854	Receive & inspect HET FM 1	100%	1 d	6/30/04	6/30/04	0 d	514,518	845FS-10 d
855	Integrate & test HET FM 1	100%	1 d	6/29/04	6/29/04	0 d	845,853FS-4 d	856,846FS-10 d
856	Integrate & test LET FM 1	100%	1 d	7/2/04	7/2/04	0 d	855,846,576	897
857	Re-integrate & test HET FM 1 w/ Flight detectors	0%	1 d	9/21/04	9/21/04	-47 d	515,897	863,848FS-10 d
858	Re-integrate & Test LET/SEP Central FM 1	0%	1 d	9/13/04	9/13/04	-39 d	508,460,465	865
859	Integrate SEP FM 1 - IDPU FM 1	0%	1 d	9/15/04	9/15/04	-42 d	848,400	860
860	Test SEP FM 1 - IDPU FM 1	0%	1 d	9/22/04	9/22/04	-46 d	859,849	865
861	Receive & inspect SIT FM 1	0%	1 d	10/4/04	10/4/04	-50 d	707	862,850FS-10 d
862	Integrate & test SIT FM 1	0%	1 d	10/5/04	10/5/04	-50 d	861,850	851FS-10 d
863	Receive & inspect SEPT FM 1	0%	1 d	9/22/04	9/22/04	-47 d	604,605,857	864,847FS-10 d
864	Integrate & test SEPT FM 1	0%	1 d	9/23/04	9/23/04	-47 d	863,847	865
865	SEP system test FM 1	0%	3 d	9/29/04	10/1/04	-50 d	851,864,860,858	19
866	FM 2	20%	66 d	6/30/04	10/1/04	-18 d		
867	Receive & inspect HET FM 2	100%	1 d	6/30/04	6/30/04	0 d	516	868
868	Integrate & test HET FM 2	100%	1 d	7/1/04	7/1/04	0 d	867,845	870
869	Integrate & test LET FM 2	100%	1 d	7/2/04	7/2/04	0 d	577,578,846	870,898
870	Integrate/test SEP Central FM 2	0%	5 d	7/30/04	8/5/04	17 d	485,486,424,869,868	871
871	Re-integrate SEP FM 2 LVPS after Coat and Stake	0%	1 d	8/10/04	8/10/04	15 d	870,145	872
872	Re-integrate HET FM 2 after Conformal Coating	0%	1 d	9/21/04	9/21/04	-13 d	871,517	875
873	Integrate SEP FM 2 - IDPU FM 2	0%	1 d	9/15/04	9/15/04	-10 d	212,848	874
874	Test SEP FM 2 - IDPU FM 2	0%	1 d	9/22/04	9/22/04	-14 d	873,849	875,229FS+2 d
875	SEP FM 2 system test	0%	3 d	9/29/04	10/1/04	-18 d	851,874,872	887
876	Environmental Test (at JPL)	4%	130 d	6/28/04	12/31/04	-44 d		
877	Generate Environmental Test Procedures	20%	15 d	6/28/04	7/19/04	16 d		880
878	Manufacture test cables (JPL)	15%	20 d	6/28/04	7/26/04	11 d		880
879	FM 1	0%	60 d	9/23/04	12/20/04	-49 d		
880	FM 1 LET/HET/SEP Central Vibration/Acoustics Test	0%	10 d	10/22/04	11/4/04	-50 d	19FS+3 d,877,878,89;	881,44SS,887SS

ID	Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
881	FM 1 LET/HET/SEP Central Thermal Balance Test	0%	5 d	11/5/04	11/12/04	-50 d	880	882,46SS
882	FM 1 LET/HET/SEP Central T/V Test	0%	15 d	11/15/04	12/6/04	-50 d	881	883,885,48SS
883	Evaluate SEP performance	0%	10 d	12/7/04	12/20/04	-50 d	882	884SS
884	Generate test reports	0%	11 d	9/23/04	10/7/04	-50 d	883SS	
885	Bakeout Clean SEP exterior & prepare for delivery	0%	3 d	12/7/04	12/9/04	-43 d	882	50SS,7,894
886	FM 2	0%	55 d	10/14/04	12/31/04	-44 d		
887	FM 2 LET/HET/SEP Central Vibration/Acoustics Test	0%	10 d	10/22/04	11/4/04	-31 d	875,880SS	56SS,888
888	FM 2 LET/HET/SEP Central T/V Test	0%	15 d	11/5/04	11/29/04	-31 d	887	889,891,58SS
889	Evaluate SEP performance	0%	10 d	11/30/04	12/13/04	-31 d	888	890SS
890	Generate test reports	0%	11 d	10/14/04	10/28/04	-31 d	889SS	
891	Bakeout Clean SEP exterior & prepare for delivery	0%	3 d	11/30/04	12/2/04	-29 d	888	60SS,892
892	Integrate & test SEPT FM 2	0%	1 d	12/10/04	12/10/04	-34 d	891,607,608	893
893	Integrate & test SIT FM 2	0%	1 d	12/28/04	12/28/04	-45 d	892,710	894
894	FM 2 EMI/EMC Test at CalTech	0%	2 d	12/29/04	12/30/04	-45 d	885,893	57SS,895
895	Deliver SEP/SIT FM 2 to APL	0%	1 d	12/31/04	12/31/04	-45 d	894	8
896	Accelerator Test (at MSU)	100%	9 d	7/10/04	7/22/04	0 d		
897	FM 1 LET-HET/SEP Cen end-to-end test at Accelerator	100%	3 d	7/10/04	7/12/04	0 d	909,455,856	42SS,880,857,900,4
898	FM 2 LET/SEP Cen end-to-end test at Accelerator	100%	3 d	7/10/04	7/12/04	0 d	909,869	903,899,55SS,900FS
899	Continue I&T for HET, LET and SEP Cen	100%	3 d	7/20/04	7/22/04	0 d	898	
900	Detach HET LET and SEP Cen from SEP Suite	100%	1 d	7/20/04	7/20/04	0 d	897,898FS+5 d	901,903,902,904
901	Deliver HET FM 1 (Rplcmnt Detectors and Conformal Coating @ GSFC)	100%	2 d	7/21/04	7/22/04	0 d	900	565
902	Deliver LET and SEP Central (Conformal Coating @ CIT)	100%	0 d	7/20/04	7/20/04	0 d	900	506
903	Deliver HET FM 2 (Conformal Coating @ GSFC)	100%	2 d	7/21/04	7/22/04	0 d	900,898	571
904	Deliver SEP LVPS FM2 (Coat & Stake @UCB)	100%	1 d	7/21/04	7/21/04	0 d	900	143
905	GSE	82%	305 d	8/1/03	10/18/04	8 d		
906	End-to-End Test Equipment	100%	218 d	8/11/03	6/22/04	0 d		
907	Design	100%	192 d	8/11/03	5/14/04	0 d		908
908	Assemble	100%	21 d	5/17/04	6/15/04	0 d	907	909
909	Test	100%	5 d	6/16/04	6/22/04	0 d	908	897,898
910	GSE software	72%	305 d	8/1/03	10/18/04	8 d		
911	Build GSE software release 2	99%	232 d	8/1/03	7/2/04	0 d		912FS+15 d
912	Write user's guide	0%	10 d	7/27/04	8/9/04	26 d	911FS+15 d	913FS-45 d
913	Build GSE software release 3	36%	117 d	5/3/04	10/18/04	8 d	912FS-45 d	914FS-20 d
914	Write user's guide supplement	0%	20 d	9/20/04	10/18/04	8 d	913FS-20 d	
915	SWEA and SIT Retest (after S/C Environmental Testing)	0%	40 d	9/27/05	11/21/05	0 d		
916	Ship SWEA FM 1 to UCB	0%	3 d	9/27/05	9/29/05	25 d		920
917	Ship (Hand Carry) SIT FM 1 to UMD	0%	1 d	9/27/05	9/27/05	27 d		921
918	Ship SWEA FM 2 to UCB	0%	3 d	10/4/05	10/6/05	20 d		922
919	Ship (Hand Carry) SIT FM 2 to UMD	0%	1 d	10/4/05	10/4/05	22 d		923
920	Vacuum Testing of SWEA FM 1 @ UCB	0%	5 d	9/30/05	10/6/05	25 d	916	924

ID		Task Name	% Complete	Dur	Start	Finish	TS	Pred	Succ
921		Vacuum Testing of SIT FM 1 @ UMD	0%	5 d	9/28/05	10/4/05	27 d	917	925
922		Vacuum Testing of SWEA FM 2 @ UCB	0%	5 d	10/7/05	10/13/05	20 d	918	924
923		Vacuum Testing of SIT FM 2 @ UMD	0%	5 d	10/5/05	10/11/05	22 d	919	925
924		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	920,922	926
925		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	921,923	926
926		Reintegration of SWEA and SIT to S/C (at Launch Site)	0%	3 d	10/19/05	10/21/05	20 d	924,925	927
927		Target Date for Reintegration to S/C	0%	1 d	11/19/05	11/21/05	0 d	926	