

## Early Operations and Instrument Commissioning Schedule

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
<b>IMPACT</b>	Enable IMPACT survival power	0 (Prelaunch)	0 (Prelaunch)	2 min	30 0/0/0/0/10.1	222	IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF	IMPACT Lead emails 4/29/03, 1/9/04, and 1/20/04
PLASTIC	Enable PLASTIC survival power	0 (Prelaunch)	0 (Prelaunch)	2 min	30 0/0/0/0/10.1	222	PLASTIC Surv Pwr ON, Op Pwr OFF	Obs CDR, 2/21/03
SECCHI	Enable SECCHI survival power	0 (Prelaunch)	0 (Prelaunch)	2 min	30 0/0/0/0/10.1	222	SECCHI Surv Pwr ON, Op Pwr OFF, Decontam Htr OFF, Interface Htr OFF	Obs PDR, 12/5/01
SWAVES	Disable SWAVES operational power	0 (Prelaunch)	0 (Prelaunch)	2 min	30 0/0/0/0/10.1	222	SWAVES Op Pwr OFF, Replacement Htr ON	Obs PDR, 12/5/01; DAO email 7/8/05
<b>LAUNCH</b>		<b>1</b>	<b>1</b>					
<b>***** AOS First DSN Track - Canberra</b>		<b>1.081</b>	<b>1.081</b>					
PWR	Event #1 - Enable PPT	1.094	1.094	2 min	30 0/0/0/0/10.1	222	Disabled at launch	Launch Proc mtg, 6/21/05
RF	Event #2 - DSS-34 and 45 to re-sweep uplink (up & down) to acquire Doppler data	1.095	1.095	15 min	30 0/0/0/0/10.1	222	Removes - 7 kHz bias in BLF from initial downward only sweep. Will lose RT TLM for approx. 5 min.	RF mtg, 3/17/05
C&DH	Event #3 - Playback SSR	1.103	1.103	2 min	30 0/0/0/0/10.1	222	Routine partitions set to block for launch (G&C Routine overwrites at 1.5 hrs from last playback) Macro 421. Reinforce macro 222 to set PB ratio since autonomy rule 190 will set it to 0.	Mission Sim #1 dev, 1/15/05
S/C	Event #4 - Verify post launch S/C configuration	1.104	1.104	10 min	30 0/0/0/0/10.1	222		Mission Sim #1B, 4/22/05
C&DH	Event #5 - Change to first week TLM generation/record/RT downlink for S/C HSKP	1.108	1.108	2 min	30 0/0/0/0/9.5	231	9.5 kbps, Adds G&C Standby mode pkt @ 4/min and removes G&C Ascent and Maneuver mode pkts (macro 231)	Mission Sim #1B, 4/22/05
THRM	Event #6 - Reinforce Enabling of all S/C Heaters	1.111	1.111	5 min	30 0/0/0/0/9.5	231	Need OK from Pwr Lead before enabling. LPS (6), Battery (2), HGA (2), & S/C Surv (5)	Autonomy Rule Rev., 8/27/03
C&DH/EA	Event #7 - Change time delay to zero for EA mode to commence attitude control	1.112	1.112	2 min	30 0/0/0/0/9.5	231	Launch default for the time delay (10 min) is to prevent the S/C from contacting during separation. Change to zero.	Fault Prot. Req. Doc. Rev, 5/20/02
G&C/EA	Event #8 - Load Red G&C and EA Momentum Dump Limits parameters for flight	1.114	1.114	2 min	30 0/0/0/0/9.5	231	Launch with detumble settings	G&C Lead email 7/12/05

FSCM NO.	SIZE	DRAWING NO.	REV.
<b>88898</b>	<b>A</b>	<b>7381-9300</b>	<b>d</b>
SCALE	DO NOT SCALE PRINT		SHEET 1 of 1

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
G&C/EA	Event #9 - Load White G&C and EA Momentum Dump Limits parameters for flight	1.115	1.115	2 min	30 0/0/0/0/0/9.5	231	Launch with detumble settings	G&C Lead email 7/12/05
PWR	Event #10 – Change PDU Separation Status TLM Words to Command Status TLM Words	1.116	1.116	2 min	30 0/0/0/0/0/9.5	231	Launch with separation status TLM words. CCD only cmds: CCD_CD_TO_CMD_STATUS_A CCD_CD_TO_CMD_STATUS_B	FP mtg, 11/15/05
PWR	Event #11 – Change HLVS settings for flight	1.117	1.117	2 min	30 0/0/0/0/0/9.5	231	Launch with lowest pressure settings and 25.5 V & LVSSA Off For flight, LVSSA & B On, 26.5 V, LVSSA = AHEAD = 500 psi, BEHIND = 454 psi LVSSB = AHEAD = 504 psi, BEHIND = 522 psi	FP email, 1/19/06
			1.12					
C&DH/EA	Event #12 – Clear prelaunch macro and relative timetag bins 480	1.118	1.118	2 min	30 0/0/0/0/0/9.5	231	Used to enforce catbed A primary heaters on, XPNDR exciter on, and BLF timeout enabled.	Launch Sim, 5/15/06
SECCHI	Event #13 - Power-up decontamination heaters using duty cycle macro and reinforce launch configuration of all instrument survival powers and heaters	1.12	1.12	5 min	30 0/0/0/0/0/9.5	231	Need OK from Pwr Lead before turning on. Use duty cycle 65 seconds on and 55 seconds off in macro 492. Leave on for 30 days. IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr OFF SECCHI Surv Pwr ON, Op Pwr OFF, Decontam Htr ON, Interface Htr OFF SWAVES Op Pwr OFF, Replacement Htr ON	Obs PDR, 12/5/01. DAO email 7/8/05  System Lead email, 2/10/06
ME	Event #14 - HGA Deployment	1.24	1.24	10 min	30 0/0/0/0/0/9.5	231	Telltale at full deployment	RF Lead
ME	Event #15 - HGARA power on	1.26	1.26	2 min	30 0/0/0/0/0/9.5	231	After HGA deployment has been confirmed. Reset HGA Control in G&C before powering	ME Lead phone call, 3/14/03
G&C	Event #16 - Load new HGA pointing parameter before pointing	1.29	1.29	2 min	30 0/0/0/0/0/9.5	231	Launch default is stowed position. After HGA deployment change to uncaged	Fault Prot. Req. Doc. Rev, 5/20/02
			1.33					

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 2 of 2

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
C&DH	Event #17 - Stop SSR playback and Set G&C and C&DH Routine partitions to overwrite	1.33	1.33	2 min	30 0/0/0/0/9.5	231	Routine partitions set to block for launch (G&C Routine overwrites at 1.5 hrs from last playback)	Mission Sim #1 dev, 1/15/05
****	<b>AOS Second DSN Track - Madrid</b>	<b>1.30</b>	<b>1.30</b>					
RF	Enable Transponder Ranging	1.35	1.35	2 min	30 0/0/0/0/9.5	231	DSN needs OFF due to attenuator. Modulation index = 0.611 rad Set after BOT of second track (non-attenuator support)	RF Lead Email 6/27/03
C&DH/EA	Load flight autonomy rules and macros	1.44	1.44	2 hrs	30 0/0/0/0/9.5	231	Refer to FP Spec, section 4.1.2.2 Load to EEPROM1, 2, & RAM. Load script options: EE2, No, EE1, Yes, select copy 1 after loading.	Fault Prot. Peer Rev, 12/10/02
****	<b>AOS Third DSN Track - Goldstone</b>	<b>1.6</b>	<b>1.6</b>					
C&DH	Change SCLT delay to 24 hrs in C&DH and EA	1.99	1.99	2 min	30 0/0/0/0/9.5	231	Launch SCLT = 8 hrs. Update storage variables 0 & 1	Fault Prot. Peer Rev, 12/10/02
****	<b>Mission Day 2</b>							
RF	Switch to -Z LGA	2	2	5 min	30 0/0/0/0/9.5	231	May need to leave arrayed for longer to reduce transmit power levels	RF phone call, 3/14/03
RF	Step HGARA	2	2	5 min	30 0/0/0/0/9.5	231	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
C&DH	Stop SSR Playback	2	2	2 min	30 0/0/0/0/9.5	231	SECCHI pwr on uses too much RT downlink and SSR PB not possible when RT TLM > 15 kbps @ 30 kbps downlink rate	Mission Sim #2, 10/12/05
SECCHI	Switch ON SECCHI Operational Power	2	2	5 min	30 0/0/19/0/0/9.5	243	SECCHI Surv Pwr OFF, Op Pwr ON, Decontam Htr ON, Interface Htr OFF	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
C&DH	Abort SECCHI Decontamination Heater Duty Cycling Macro	2	2	2 min	30 0/0/0/0/9.5	243	After SECCHI SEB has control of decontamination heater temperatures. Abort relative TT #6 and #7	System Lead email, 2/10/06
SECCHI	Perform SECCHI Electronics/software Abbrev. Funct Test	2	2	1 hr 40 min	30 0/0/19/0/0/9.5	243		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Move COR1/COR2 doors from Superclosed to Closed. Crack open EUVI and COR1/2 doors.	2	2	20 min	30 0/0/19/0/0/9.5	243		SECCHI Telecon 1/23/04. COR1/2 door openings: M-O-R 11/04.
C&DH	Enable SSR Playback, S/C only	2	2	2 min	30 3.2/1/1.8/2.2/0/3.3	244	No instrument SSR data will be played back while at 30 kbps due to bandwidth limitations	SSC TLM Input, 10/21/05
SWAVES	Power-up aliveness check	2	2	1 hr	30 3.2/1/1.8/2.2/0/3.3	244	SWAVES Op Pwr ON, Replacement Htr OFF	SWAVES CDR, 2/12/03; SWAVES email 12/17/03; DAO email 7/8/05

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 3 of 3

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SWAVES	Deploy SWAVES antennas	2	2	1 hr	30 3.2/1/1.8/2.2/0/3.3	244	Dependent on G&C maneuvering recommendation Need RT cmd & TLM, deploy 1 antenna, observe 20 minutes, repeat for other 2 antennas	SWAVES CDR, 2/12/03; SWAVES email 12/17/03; SWAVES presentation for MOR 11/09/04
G&C	Load new G&C mass properties after SWAVES Antenna deployments	2	2	2 min	30 3.2/1/1.8/2.2/0/3.3	244	One each may be required for HGA deployment, SWAVES, and IMPACT boom	G&C Lead, 5/22/02; SWAVES email 12/17/03
<b>**** Mission Day 3</b>								
ME	Close umbilical cover	3	3	2 min	30 3.2/1/1.8/2.2/0/8.4	232	After SWAVES deployment so SWAVES can characterize noise level with it open	SWAVES email, 5/19/06
G&C/LPS	Conduct Engineering Burn as an end-to-end test of G&C and LPS	3	3	3 hrs	30 3.2/1/1.8/2.2/0/8.4	232	Before A1 burn. Need same S/C deployment config. as will be used in A1 burn	Maneuver CONOPs mtg, 6/3/02
C&DH/EA	Change APID Rate Table to normal 3 kbps generation in C&DH and EA EEPROM	3	3	2 min	30 3.2/1/1.8/2.2/0/8.4	232	Launch default is 9.5 kbps	Mission Sim #1A, 3/23/05
G&C/EA	Change G&C TLM Schedule to normal G&C and EA EEPROM	3	3	2 min	30 3.2/1/1.8/2.2/0/8.4	232	Default is for first week	Mission Sim #1A, 3/23/05
<b>IMPACT</b>	Power-up IDPU. IDPU/MAG preliminary checkout	3	3	30 min.	30 3.2/1/1.8/2.2/0/3.3	244	IMPACT MAG Htr Enabled, Boom Htr Disabled & Op Pwr ON	IMPACT Lead email 4/29/03. TLM and SSR usage per lead worksheet 2-17-2004. STE removed per M-O-R 11/04.
<b>IMPACT</b>	Power-up SWEA. SWEA preliminary checkout	3	3	30 min	30 3.2/1/1.8/2.2/0/3.3	244	IMPACT SWEA/STE Surv Pwr OFF, Op Pwr ON	IMPACT Lead email 4/29/03. TLM and SSR usage per lead worksheet 2-17-2004. STE removed per M-O-R 11/04.
<b>IMPACT</b>	Deploy SWEA cover	3	3	2 min	30 3.2/1/1.8/2.2/0/3.3	244	After IDPU power-up. Non-reclosable cover. Deployment cmd and verification controlled by POC	IMPACT Lead email 4/29/03; autonomy rule note – DAO email 12/31/03. TLM and SSR usage per lead worksheet 2-17-2004. Impact Lead email 8/15/05
<b>IMPACT</b>	Complete IDPU/MAG/SWEA checkout	3	3	2-4 hrs	30 3.2/1/1.8/2.2/0/3.3	244		IMPACT Lead email 4/29/03. TLM and SSR usage per lead worksheet 2-17-2004. STE moved to Day 19 per M-O-R 11/04
PLASTIC	Power-up and functional test	3	3	2 hrs	30 3.2/1/1.8/2.2/0/3.3	244	Low voltages only. PLASTIC Surv Pwr OFF, Op Pwr ON	PLASTIC PDR, 9/25/02. OWGM 4/21/04
<b>**** Mission Day 4</b>								

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 4 of 4

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
<b>IMPACT</b>	SWEA HVPS power-up and test	4	4	1-2 hrs	30 3.2/1/1.8/2.2/0/3.3	244	No earlier than 24 hrs after SWEA cover deployment.	IMPACT Lead email 4/29/03
<b>**** Mission Day 5</b>								
PWR	Solar Array Production Test	5	5	1 hr	30 3.2/1/1.8/2.2/0/3.3	244	Cannot determine SA production w/ PPT ON. Disable PPT, high charge rate, and high VT level.	PWR Lead Email 8/19/04
<b>**** Mission Day 6</b>								
RF	Step HGARA	6	6	5 min	30 3.2/1/1.8/2.2/0/3.3	244	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
G&C/LPS	Conduct Engineering Burn to test A side thruster electrical path	6	6	3 hrs	30 3.2/1/1.8/2.2/0/8.4	232	Switch G&C to use PDU side A. Same as Engineering Burn on day 3.	EACDRPR-10 AI response, 5/5/04
S/C	Test timekeeping system and updating	6	6	2 min	30 3.2/1/1.8/2.2/0/3.3	244	Before A1 burn	SEPR RFA #2, 4/16/02
<b>**** Mission Day 7</b>								
RF	Switch to 360 kbps downlink rate	7	7	2 min	360 3.2/3.2/3.6/2.2/0.6/3.3	237	Macro 214, NRZ-L	RF Lead email, 4/16/03
SECCHI	Switch OFF SECCHI Operational Power	7	7	5 min	360 3.2/3.2/3.6/2.2/0.6/3.3	237	SECCHI Surv Pwr ON, Op Pwr OFF, Interface Htr Off Decontamination Power to remain ON.	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SWAVES PLASTIC <b>IMPACT</b>	Power down before A1 Maneuver	7	7	10 min 30 min. (PLASTIC)	360 3.2/3.2/3.6/2.2/0.6/3.3	237	If needed. Baseline instru. off during maneuvers due to power limitations. PLASTIC OFF prior to IMPACT IDPU OFF. SWAVES off last. IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr OFF SWAVES Op Pwr OFF, Replacement Htr ON	SRD. PLASTIC-Ops WGM 4/21/04. SWAVES-MOR D-R #2 10/28/04. DAO email 7/8/05
<b>**** Week 2 (Mission Days 8 thru 14)</b>								
<b>**** Switch from continuous DSN coverage to 3 hour tracks centered every 24 hours</b>								
S/C	A1 Prime Delta V Maneuver	4-8	4-8	4 hrs	96 3.2/3.2/3.6/2.2/0.6/26.1	234	<b>Deterministic. Not needed for a nominal orbit insertion for launch on Day 1 or 2</b>	<b>Mission Design, 7/11/2005</b>
C&DH/EA	Change SCLT delay to 60 hrs	8	8	2 min	360 3.2/3.2/3.6/2.2/0.6/3.3	237	Disable autonomy rules 191 and 192. Launch SCLT = 8 hrs, L+1 to L+8 days = 24 hrs	Fault Prot. Peer Rev, 12/10/02

FSCM NO.	SIZE	DRAWING NO.	REV.
<b>88898</b>	<b>A</b>	<b>7381-9300</b>	<b>d</b>
SCALE	DO NOT SCALE PRINT		SHEET 5 of 5

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SWAVES <b>IMPACT</b> PLASTIC	Power and recover from A1 Maneuver	9	9	1 hr (two 1hr obs - PLASTIC)	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. SWAVES power-up first. IDPU & SWEA/STE-D only for IMPACT. PLASTIC ON after IMPACT IDPU. IMPACT MAG Htr Enabled, Boom Htr OFF, & IDPU Op Pwr ON IMPACT SWEA/STE Surv Pwr OFF, Op Pwr ON PLASTIC Surv Pwr ON, Op Pwr ON SWAVES Op Pwr ON, Replacement Htr OFF. IMPACT ramp up SWEA HV (5 minutes)	SRD. IMPACT TLM and SSR usage per lead worksheet 2-17-2004. PLASTIC-Ops WGM 4/21/04. . SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05. IMPACT Lead email 8/15/05.
SECCHI	Turn ON SECCHI Operational Power	9	9	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr OFF, Op Pwr ON, Decontam Htr ON, Interface Htr OFF	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
G&C	Enable GT Use	9	9	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Collect G&C GT performance data	G&C phone call 8/8/05
<b>S/C</b>	<b>A1 Backup Delta V Maneuver</b>	<b>6-10</b>	<b>6-10</b>	<b>4 hrs</b>	<b>96</b> <b>3.2/3.2/3.6/2.2/0.6/ 26.1</b>	<b>234</b>	<b>Deterministic. Not needed for a nominal orbit insertion for launch on Day 1 or 2. Only if prime maneuver was not successful.</b>	<b>Mission Design, 7/11/2005</b>
RF	Step HGARA	10	10	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
<b>IMPACT</b>	Power-up Boom Deployment Heater	10	10	30 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Boom deployment heater needs to be on 30 min (and in sunlight) before boom deployment. After that, it never needs to be on. Ensure that rule 97 (IMPACT Boom High Temp) is enabled.	IMPACT CDR, 11/22/02; IMPACT Presentation for MOR 11/09/04
<b>IMPACT</b>	Turn off Boom Deployment Heater. Deploy IMPACT SW/MAG boom	10	10	1-2 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	No boom deployment telltale – use RT MAG data	PDR, 9/11/01 IMPACT Lead email 4/29/03. TLM and SSR usage per lead worksheet 2-17-2004
G&C	Load new G&C mass properties after IMPACT Boom deployment	10	10	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	One each may be required for HGA deployment, SWAVES, and IMPACT boom	G&C Lead, 5/22/02
PLASTIC	Internal Pulser Test	10	10	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	First hour for set-up, last 1/2 hour for contingency action. Central part for observation	PLASTIC-Ops WGM 4/21/04. PLASTIC lead email 9/1/05

FSCM NO.	SIZE	DRAWING NO.	REV.
<b>88898</b>	<b>A</b>	<b>7381-9300</b>	<b>d</b>
SCALE	DO NOT SCALE PRINT		SHEET 6 of 6

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
PLASTIC	SSD to Op levels.	11	11	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	First hour for set-up, last 1/2 hour for contingency action. Central part for observation	PLASTIC-Ops WGM 4/21/04. PLASTIC M-O-R presentation 11/10/04. PLASTIC lead email 9/1/05
RF	Step HGARA	14	14	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
SECCHI	Verify with SECCHI Ops Team that all reclosable doors (COR1, COR2, & EUVI) are closed.	15	15	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI reclosable doors are not grounded and could arc while passing through the radiation belts.	System Eng Lead email, 5/15/03
G&C	Disable GT Use	15	15	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		G&C phone call 8/5/05
SECCHI	Switch OFF SECCHI Operational Power	15	15	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr ON, Op Pwr OFF, Interface Htr Off Decontamination Power to remain ON.	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SWAVES PLASTIC IMPACT	Power down before P1 Maneuver	15	15	10 min 1 hr PLASTIC	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. Baseline instru. off during maneuvers due to power limitations. PLASTIC OFF prior to IMPACT IDPU OFF. SWAVES off last. IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr OFF SWAVES Op Pwr OFF, Replacement Htr ON	SRD. PLASTIC-Ops WGM 4/21/04. . SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05
<b>***** Week 3 (Mission Days 15 thru 21)</b>								
S/C	Ranging capability test of the DSS with Attenuator installed	15	15	2 min	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Configure XPNDR & DSS for ranging with attenuator in at DSS	FDF Lead email, 5/19/06
S/C	<b>P1 Delta V Maneuver</b>	16	16	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	<b>Non-deterministic.</b>	<b>Mission Design, 7/11/2005</b>
S/C	Test system reset and EA mode - <b>AHEAD</b> only	16	NA	4-5 hrs	96 0/0/0/0/0/3.1	290	Schedule after S/C has recovered from P1 burn and when SPE angle is favorable. May need additional track time. Schedule when system momentum is low. Will power off all instruments and ST	SEPR RFA, 11/02

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 7 of 7



Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SWAVES <b>IMPACT</b> PLASTIC	Power and recover SWAVES and IMPACT from P1 Maneuver & EA mode test. PLASTIC turn on SSDs again, Pac to 5kV then 10kV	17	17	1 hr 3 hrs PLASTIC	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SWAVES power-up first. IDPU & SWEA/STE-D only for IMPACT. PLASTIC ON after IMPACT IDPU IMPACT MAG Htr Enabled, Boom Htr OFF, & IDPU Op Pwr ON IMPACT SWEA/STE Surv Pwr OFF, Op Pwr ON PLASTIC Surv Pwr ON, Op Pwr ON SWAVES Op Pwr ON, Replacement Htr OFF. IMPACT ramp up SWEA HV (5 minutes)	SRD. PLASTIC-Ops WGM 4/21/04. . SWAVES - MOR D-R #2 10/28/04. PLASTIC M-O-R presentation 11/10/04. DAO email 7/8/05. IMPACT Lead email 8/15/05
SECCHI	Turn ON SECCHI Operational Power	17	17	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr OFF, Op Pwr ON, Decontam Htr ON, Interface Htr OFF	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
G&C	Enable GT Use	17	17	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Collect G&C GT performance data	G&C phone call 8/8/05
SWAVES	Commissioning	17	17	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Need RT cmd & TLM	SWAVES CDR, 2/12/03
PLASTIC	PLASTIC Pac to 5kV then 10kV	17	17	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Need RT cmd & TLM	PLASTIC-Ops WGM 4/21/04
SECCHI	Perform SECCHI Electronics/Software Functional Test – <b>AHEAD</b> only	17	--	2hrs	360 3.2/3.2/93/2/0/3.3	245	20 min/mech (6) = 2 hrs 30 min/CEB (2) = 1 hr	SECCHI CDR, 11/6/02. SECCHI M-O-R presentation 11/10/04.
RF	Step HGARA	18	18	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
SECCHI	Perform Functional Test of SECCHI Mechanisms and Cameras – <b>AHEAD</b> only	18	--	3 hrs	360 3.2/3.2/93/2/0/3.3	245		
G&C	Enable Wheel Rebalancing Function in G&C	19	19	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Launch default is disabled. Enable before SECCHI GT Cal.	CCB, 7/26/05
PLASTIC	MCP HV on to low Op levels – Day 1	19	19	2 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Need RT cmd & TLM	PLASTIC-Ops WGM 4/21/04

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 8 of 8



Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SECCHI G&C	GT calibration w/ G&C – AHEAD only	19	--	45 min	360 3.2/3.2/93/2/0/3.3	245	Configure G&C Blackbox for APIDs: 14F (Standby pkt) @ 1/second 14C (GT Raw Messages @ 250 Hz) @ 7/second 152 (RTW Output of Y and Z sung's) @ 2/second Playback SSR using macro 427 afterwards to get G&C data	SECCHI CDR, 11/6/02. SECCHI M-O-R presentation 11/10/04.
SWAVES	Observe other Instrument's Commissioning	19	19	?	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Need RT cmd & TLM	SWAVES CDR, 2/12/03
IMPACT	Power-up and checkout SEP and STE	19	19	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	IMPACT SEP/SEPT2 Surv Pwr OFF, Op Pwr ON, Interface Htr (2) OFF	IMPACT CDR, 11/22/02. TLM and SSR usage per lead worksheet 2-17- 2004. STE c/o added M- O-R 11/04
SECCHI G&C	GT calibration w/ G&C– AHEAD only	20	--	45 min	360 3.2/3.2/93/2/0/3.3	245	Configure G&C Blackbox for APIDs: 14F (Standby pkt) @ 1/second 14C (GT Raw Messages @ 250 Hz) @ 7/second 152 (RTW Output of Y and Z sung's) @ 2/second Playback SSR using macro 427 afterwards to get G&C data	SECCHI CDR, 11/6/02. SECCHI M-O-R presentation 11/10/04.
PLASTIC	MCP HV on to low Op levels – Day 2	20	20	2 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Need RT cmd & TLM	PLASTIC-Ops WGM 4/21/04
IMPACT	SIT HVPS power-up and checkout. SEP and STE Checkout – Day 2	20	20	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Individual instrument testing will be done in parallel.	IMPACT CDR, 11/22/02. TLM and SSR usage per lead worksheet 2-17- 2004. IMPACT lead email 9/1/05
PLASTIC	MCP HV on to low Op levels – Day 3	21	21	2 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Need RT cmd & TLM	PLASTIC-Ops WGM 4/21/04
IMPACT	SIT HVPS power-up and checkout. SEP and STE Checkout – Day 3	21	21	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	RT data not stored in SSR. Individual instrument testing will be done in parallel.	IMPACT CDR, 11/22/02. TLM and SSR usage per lead worksheet 2-17- 2004. IMPACT lead email 9/1/05
***** Week 4 (Mission Days 22 thru 28)								
RF	Step HGARA	21	21	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 9 of 9

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
G&C	Disable GT Use	21	21	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		G&C phone call 8/5/05
SECCHI	Switch OFF SECCHI Operational Power	21	21	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr ON, Op Pwr OFF, Interface Htr Off Decontamination Power to remain ON.	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SWAVES PLASTIC IMPACT	Power down before A2 Maneuver	21	21	10 min 30 min PLASTIC	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. Baseline instru. off during maneuvers due to power limitations. PLASTIC OFF prior to IMPACT IDPU OFF. SWAVES off last. IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr OFF SECCHI Surv Pwr ON, Op Pwr OFF, Interface Htr Off Decontam Htr to remain ON. SWAVES Op Pwr OFF, Replacement Htr ON.	SRD. PLASTIC-Ops WGM 4/21/04. . SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05
S/C	A2 Prime Delta V Maneuver	22	22	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Non-deterministic	Mission Design, 7/11/2005
SWAVES IMPACT PLASTIC	Power and recover SWAVES, IMPACT, and PLASTIC from A2 Maneuver	23	23	1 hr two 1-hr obs PLASTIC	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. SWAVES power-up first. IDPU, SWEA/STE-D, & SEP for IMPACT. PLASTIC ON after IMPACT IDPU IMPACT MAG Htr Enabled, Boom Htr OFF, & IDPU Op Pwr ON IMPACT SWEA/STE Surv Pwr OFF, Op Pwr ON IMPACT SEP/SEPT2 Surv Pwr OFF, Op Pwr ON, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr ON SWAVES Op Pwr ON, Replacement Htr OFF. IMPACT: ramp up SWEA HV, configure SEP, and ramp up SIT HVPS (~15 minutes.)	SRD. PLASTIC-Ops WGM 4/21/04. . SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05/ IMPACT Lead email 8/15/05.
IMPACT	SEP and STE Checkout – Day 4	23	23	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		IMPACT CDR, 11/22/02. TLM and SSR usage per lead worksheet 2-17-2004

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 10 of 10

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SECCHI	Turn ON SECCHI Operational Power	23	23	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr OFF, Op Pwr ON, Decontam Htr ON, Interface Htr OFF	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
G&C	Enable GT Use	23	23	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Collect G&C GT performance data	G&C phone call 8/8/05
SECCHI	Perform SECCHI Electronics/Software Functional Test – BEHIND only	--	23	2hrs	360 3.2/3.2/93/2/0/3.3	245	20 min/mech (6) = 2 hrs 30 min/CEB (2) = 1 hr	SECCHI CDR, 11/6/02. SECCHI M-O-R presentation 11/10/04.
S/C	A2 Backup Delta V Maneuver	24	24	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	<b>Non-deterministic. Only if prime maneuver was not successful.</b>	<b>Mission Design, 7/11/2005</b>
IMPACT	SEP and STE Checkout – Day 5	24	24	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	RT data not stored in SSR	IMPACT CDR, 11/22/02. TLM and SSR usage per lead worksheet 2-17-2004
SECCHI	Perform Functional Test of SECCHI Mechanisms and Cameras – BEHIND only	--	25	3 hrs	360 3.2/3.2/93/2/0/3.3	245		
PLASTIC	PAC to 5kV, SSD bias V on, and MCP HV to ops levels	25	25	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		PLASTIC-Ops WGM 4/21/04. PLASTIC M-O-R presentation 11/10/04.
IMPACT G&C PLASTIC	Threel slow rolls about X-axis to calibrate MAG DC offsets with HGA end-to-end slews	25	25	1.5 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Region of small magnetic field strength. RT data not stored in SSR. MAG team also needs the HGA to slew from 0 to 180 to 0 degrees then back to expected HGA commissioning angle during the roll.	SRR, 5/24/00. TLM and SSR usage per lead worksheet 2-17-2004  MAG email, 2/15/06
RF	Step HGARA	26	26	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
SECCHI G&C	GT calibration w/ G&C – BEHIND only	--	26	45 min	360 3.2/3.2/93/2/0/3.3	245	Configure G&C Blackbox for APIDs: 14F (Standby pkt) @ 1/second 14C (GT Raw Messages @ 250 Hz) @ 7/second 152 (RTW Output of Y and Z sung's) @ 2/second Playback SSR using macro 427 afterwards to get G&C data	SECCHI CDR, 11/6/02. SECCHI M-O-R presentation 11/10/04.
PLASTIC	PAC to 10kV then 15 (over 3 days)	26	26	2-3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		PLASTIC-Ops WGM 4/21/04

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 11 of 11

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SECCHI G&C	GT calibration w/ G&C – BEHIND only	--	27	45 min	360 3.2/3.2/93/2/0/3.3	245	Configure G&C Blackbox for APIDs: 14F (Standby pkt) @ 1/second 14C (GT Raw Messages @ 250 Hz) @ 7/second 152 (RTW Output of Y and Z sung's) @ 2/second Playback SSR using macro 427 afterwards to get G&C data	SECCHI CDR, 11/6/02. SECCHI M-O-R presentation 11/10/04.
PLASTIC	PAC to 10kV then 15	27	27	2-3 hrs	360 3.2/3.2/3.6/2.2/0.6/3.3	237		PLASTIC-Ops WGM 4/21/04
PLASTIC	PAC to 10kV then 15	28	28	2-3 hrs	360 3.2/3.2/3.6/2.2/0.6/3.3	237		PLASTIC-Ops WGM 4/21/04
<b>**** Week 5 (Mission Days 29 thru 35)</b>								
SECCHI	Verify with SECCHI Ops Team that all reclosable doors (COR1, COR2, & EUVI) are closed.	28	28	5 min	360 3.2/3.2/3.6/2.2/0.6/3.3	237	SECCHI reclosable doors are not grounded and could arc while passing through the radiation belts.	System Eng Lead email, 5/15/03
G&C	Disable GT Use	28	28	2 min	360 3.2/3.2/3.6/2.2/0.6/3.3	237		G&C phone call 8/5/05
SECCHI	Switch OFF SECCHI Operational Power	28	28	5 min	360 3.2/3.2/3.6/2.2/0.6/3.3	237	SECCHI Surv Pwr ON, Op Pwr OFF, Interface Htr Off Decontamination Power to remain ON.	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SWAVES, PLASTIC IMPACT	Power down before P2 Maneuver	29	29	10 min 30 min - PLASTIC	360 3.2/3.2/3.6/2.2/0.6/3.3	237	If needed. Baseline instru. off during maneuvers due to power limitations. PLASTIC OFF prior to IMPACT IDPU OFF. SWAVES off last. IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr OFF SECCHI Surv Pwr ON, Op Pwr OFF, Interface Htr Off Decontam Htr to remain ON. SWAVES Op Pwr OFF, Replacement Htr ON	SRD. PLASTIC-Ops WGM 4/21/04. . SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05
RF	Step HGARA	30	30	5 min	360 3.2/3.2/3.6/2.2/0.6/3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 12 of 12

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
S/C	P2 Delta V Maneuver	31	31	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Deterministic.	Mission Design, 7/11/2005
SWAVES IMPACT PLASTIC	Power and recover SWAVES, IMPACT, and PLASTIC from P2 Maneuver	32	32	1 hr	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. SWAVES power-up first. IDPU, SWEA/STE-D, & SEP for IMPACT. PLASTIC ON after IMPACT IDPU IMPACT MAG Htr Enabled, Boom Htr OFF, & IDPU Op Pwr ON IMPACT SWEA/STE Surv Pwr OFF, Op Pwr ON IMPACT SEP/SEPT2 Surv Pwr OFF, Op Pwr ON, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr ON SWAVES Op Pwr ON, Replacement Htr OFF. IMPACT: ramp up SWEA HV, configure SEP, and ramp up SIT HVPS (~15 minutes.)	SRD. SWAVES - MOR D- R #2 10/28/04. DAO email 7/8/05. IMPACT Lead email 8/15/05.
SECCHI	Turn ON SECCHI Operational Power	32	32	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr OFF, Op Pwr ON, Decontam Htr ON, Interface Htr OFF	Obs PDR, 12/5/01, SECCHI Telecon 1/23/04
G&C	Enable GT Use	32	32	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Collect G&C GT performance data	G&C phone call 8/8/05
SECCHI	Perform SECCHI Electronics/Software Functional Test	32	32	2 hrs	360 3.2/3.2/93/2/0/3.3	245		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
PLASTIC	Recover from P2.PAC to 5kV, SSDs ON, the Pac to 10kV, MCPs ON (over 3 days)	32	32	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		PLASTIC-Ops WGM 4/21/04
PLASTIC	Recover from P2.PAC to 5kV, SSDs ON, the Pac to 10kV, MCPs ON	33	33	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		PLASTIC-Ops WGM 4/21/04
SECCHI	Switch OFF Decontamination Power and move EUVI door from cracked to closed	33	33	20 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		SECCHI CDR, 11/6/02, SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
PLASTIC	Recover from P2.PAC to 5kV, SSDs ON, the Pac to 10kV, MCPs ON	34	34	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		PLASTIC-Ops WGM 4/21/04
SECCHI	Perform SECCHI Camera Readouts of Dark Images & calibration lamp exposures - AHEAD only	34	--	2 hrs	360 3.2/3.2/93/2/0/3.3	245		SECCHI CDR, 11/6/02, SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 13 of 13

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
RF	Step HGARA	34	34	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
G&C	Disable GT Use	35	35	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		G&C phone call 8/5/05
SECCHI	Verify with SECCHI Ops Team that all reclosable doors (COR1, COR2, & EUVI) are closed.	35	35	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI reclosable doors are not grounded and could arc while passing through the radiation belts.	System Eng Lead email, 5/15/03
SECCHI	Switch OFF SECCHI Operational Power	35	35	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr ON, Op Pwr OFF, Decontam Htr OFF, Interface Htr OFF	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SWAVES, PLASTIC IMPACT	Power down before A3 through P3 Maneuver	35	35	10 min 30 min. PLASTIC	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. Baseline instru. off during maneuvers due to power limitations. PLASTIC OFF prior to IMPACT IDPU OFF. SWAVES off last. IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr OFF SWAVES Op Pwr OFF, Replacement Htr ON	SRD. PLASTIC-Ops WGM 4/21/04. . SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05
<b>**** Week 6 (Mission Days 36 thru 42)</b>								
S/C	A3 Prime Delta V Maneuver	36	36	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Non-deterministic	Mission Design, 7/11/2005
S/C	A3 Backup Delta V Maneuver	38	38	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Non-deterministic. Only if prime maneuver was not successful.	Mission Design, 7/11/2005
RF	Step HGARA	38	38	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
S/C	A3+ Prime Delta V Maneuver	40	40	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Deterministic. Not needed for nominal launch	Mission Design, 7/11/2005
S/C	A3+ Backup Delta V Maneuver	41	41	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Deterministic. Only if prime maneuver was not successful.	Mission Design, 7/11/2005

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 14 of 14

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
MOT	Coordinate with NOPEs to record 10 samples/sec of the DSN station received power levels in the TRK 2-34 data sent to the FDF. RF Team needs this for each HGA Optimization test	42	42	--	--	--	Notify NOPE a week before each test	NOPE telecon, 12/13/04
S/C	P3 Delta V Maneuver	42	42	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Non-deterministic	Mission Design, 7/11/2005
RF	Step HGARA	42	42	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
SWAVES IMPACT PLASTIC	Power and recover SWAVES, IMPACT, and PLASTIC from A3 through P3 Maneuvers.	43	43	1 hr	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. SWAVES power-up first. IDPU, SWEA/STE-D, & SEP for IMPACT. PLASTIC ON after IMPACT IDPU IMPACT MAG Htr Enabled, Boom Htr OFF, & IDPU Op Pwr ON IMPACT SWEA/STE Surv Pwr OFF, Op Pwr ON IMPACT SEP/SEPT2 Surv Pwr OFF, Op Pwr ON, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr ON SWAVES Op Pwr ON, Replacement Htr OFF. IMPACT: ramp up SWEA HV, configure SEP, and ramp up SIT HVPS (~15 minutes.)	SRD. PLASTIC-Ops WGM 4/21/04. SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05. IMPACT lead email 8/15/05.
SECCHI	Turn ON SECCHI Operational Power	43	43	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr OFF, Op Pwr ON, Decontam Htr OFF, Interface Htr OFF	Obs PDR, 12/5/01, SECCHI Telecon 1/23/04
G&C	Enable GT Use	43	43	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Collect G&C GT performance data	G&C phone call 8/8/05
SECCHI	Perform SECCHI Electronics/Software Functional Test - BEHIND only	--	43	2 hrs	360 3.2/3.2/93/2/0/3.3	245		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
PLASTIC	PLASTIC HV to 10kV, then 15kV, SSD bias V on, increase MCP HV to Op level	43	43	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		SRD. PLASTIC-Ops WGM 4/21/04.
PLASTIC	Complete recovery from A3+ and P3 Maneuvers. PLASTIC HV to 10kV, then 15kV, SSD bias V on, increase MCP HV to Op level.	43	43	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		Ops WGM 4/21/04

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 15 of 15



Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SECCHI	Perform SECCHI Camera Readouts of Dark Images & calibration lamp exposures – BEHIND only	--	44	2 hrs	360 3.2/3.2/93/2/0/3.3	245		SECCHI CDR, 11/6/02, SECCHI Telecon 1/23/04
PLASTIC	ESA, S-channel, and DEFL checkouts	44	44	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Need RT cmding	PLASTIC PDR, 9/25/02. Ops WGM 4/21/04
PLASTIC	ESA, S-channel, and DEFL checkouts	45	45	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Need RT cmding	PLASTIC PDR, 9/25/02. Ops WGM 4/21/04
G&C	Disable GT Use	45	45	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		G&C phone call 8/5/05
SECCHI	Switch OFF SECCHI Operational Power	45	45	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr ON, Op Pwr OFF, Decontam Htr OFF, Interface Htr OFF	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
*****	<b>Week 7 (Mission Days 43 thru 49)</b>							
SWAVES, PLASTIC, <b>IMPACT</b>	Power down before A4 Maneuver	46	46	10 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. Baseline instru. off during maneuvers due to power limitations. PLASTIC OFF prior to IMPACT IDPU OFF. SWAVES off last. IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr OFF SWAVES Op Pwr OFF, Replacement Htr ON	SRD. PLASTIC-Ops WGM 4/21/04. . SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05
RF	Step HGARA	46	46	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
S/C	<b>A4 Prime Delta V Maneuver</b>	<b>47</b>	<b>47</b>	<b>4 hrs</b>	<b>96</b> <b>3.2/3.2/3.6/2.2/0.6/ 26.1</b>	<b>234</b>	<b>Non-deterministic</b>	<b>Mission Design,</b> <b>7/11/2005</b>

FSCM NO.	SIZE	DRAWING NO.	REV.
<b>88898</b>	<b>A</b>	<b>7381-9300</b>	<b>d</b>
SCALE	DO NOT SCALE PRINT		SHEET 16 of 16

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SWAVES <b>IMPACT</b> PLASTIC	Power and recover SWAVES, IMPACT, and PLASTIC from A4 Maneuver	48	48	10 min 30 min PLASTIC	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. SWAVES power-up first. IDPU, SWEA/STE-D, & SEP for IMPACT. PLASTIC ON after IMPACT IDPU IMPACT MAG Htr Enabled, Boom Htr OFF, & IDPU Op Pwr ON IMPACT SWEA/STE Surv Pwr OFF, Op Pwr ON IMPACT SEP/SEPT2 Surv Pwr OFF, Op Pwr ON, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr ON SWAVES Op Pwr ON, Replacement Htr OFF. IMPACT: ramp up SWEA HV, configure SEP, and ramp up SIT HVPS (~15 minutes.)	SRD. PLASTIC-Ops WGM 4/21/04. SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05. IMPACT Lead email 8/15/05.
SECCHI	Turn ON SECCHI Operational Power	48	48	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr OFF, Op Pwr ON, Decontam Htr OFF, Interface Htr OFF	Obs PDR, 12/5/01, SECCHI Telecon 1/23/04
G&C	Enable GT Use	48	48	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Collect G&C GT performance data	G&C phone call 8/8/05
S/C	Start Space Weather broadcast post-track	48	48	21 hrs	0/0/0/0.6/0	225	Macro 203. Configure for space weather data rate, 633 bps, turbo, r=1/6 for non-DSN time.	RF Lead email, 9/12/03
PLASTIC	Complete recovery from A4 Maneuver. MCPs to ops. Turn on Entrance system.	48	48	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		Ops WGM 4/21/04
RF	Step HGARA	48	48	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
S/C	<b>A4 Backup Delta V Maneuver</b>	49	49	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	<b>Non-deterministic. Only if prime maneuver was not successful.</b>	<b>Mission Design, 7/11/2005</b>
RF	HGA Checkout and Optimization #1	49	49	2 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Need DSN track Use 360 kbps, NRZ-L, turbo encoding, ranging on Desire GT on SPE angle = 137 deg (AHEAD). SPE angle = 137 deg (BEHIND) Disable autonomy rule 25 (Monitor HGA health) before each test. Earth range > 175,000 km	RF email, 3/4/04. DAO email 8/3/05.

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 17 of 17

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
PLASTIC	Complete recovery from A4 Maneuver. MCPs to ops.	49	49	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		Ops WGM 4/21/04
PLASTIC	Complete recovery from A4 Maneuver. MCPs to ops.	50	50	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		Ops WGM 4/21/04
<b>**** Week 8 (Mission Days 50 thru 56)</b>								
MOT	Coordinate with NOPEs to record 10 samples/sec of the DSN station received power levels in the TRK 2-34 data sent to the FDF. RF Team needs this for each HGA Optimization test	51	51	--	--	--	Notify NOPE a week before each test	NOPE telecon, 12/13/04
S/C	Stop Space Weather broadcast post-track	53	53		360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Space weather cannot be transmitted on the LGA below 61,000 km altitude due to PFD limits violations.	RF Lead email, 9/12/03
G&C	Disable GT Use	53	53	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		G&C phone call 8/5/05
SECCHI	Switch OFF SECCHI Operational Power	53	53	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr ON, Op Pwr OFF, Decontam Htr OFF, Interface Htr OFF	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Verify with SECCHI Ops Team that all reclosable doors (COR1, COR2, & EUVI) are closed.	53	53	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI reclosable doors are not grounded and could arc while passing through the radiation belts.	System Eng Lead email, 5/15/03
SWAVES PLASTIC <b>IMPACT</b>	Power down before P4 Maneuver	53	53	10 min 30 min PLASTIC	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. Baseline instru. off during maneuvers due to power limitations. PLASTIC OFF prior to IMPACT IDPU OFF. SWAVES off last. IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr OFF SWAVES Op Pwr OFF, Replacement Htr ON	SRD. PLASTIC-Ops WGM 4/21/04. SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05
RF	Step HGARA	54	54	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
S/C	<b>P4 Delta V Maneuver</b>	<b>54</b>	<b>54</b>	<b>4 hrs</b>	<b>96</b> <b>3.2/3.2/3.6/2.2/0.6/ 26.1</b>	<b>234</b>	<b>Non-deterministic</b>	<b>Mission Design, 7/11/2005</b>

FSCM NO.	SIZE	DRAWING NO.	REV.
<b>88898</b>	<b>A</b>	<b>7381-9300</b>	<b>d</b>
SCALE	DO NOT SCALE PRINT		SHEET 18 of 18

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
*****	Switch from 3 hour track DSN coverage to 3.5 hour tracks centered every 24 hours – AHEAD only	55	NA					
SWAVES IMPACT PLASTIC	Power and recover SWAVES, IMPACT, and PLASTIC from P4 Maneuver	55	55	1 hr	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. SWAVES power-up first. IDPU, SWEA/STE-D, & SEP for IMPACT. PLASTIC ON after IMPACT IDPU IMPACT MAG Htr Enabled, Boom Htr OFF, & IDPU Op Pwr ON IMPACT SWEA/STE Surv Pwr OFF, Op Pwr ON IMPACT SEP/SEPT2 Surv Pwr OFF, Op Pwr ON, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr ON SWAVES Op Pwr ON, Replacement Htr OFF. IMPACT: ramp up SWEA HV, configure SEP, and ramp up SIT HVPS (~15 minutes.)	SRD. SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05. IMPACT Lead email 8/15/05.
SECCHI	Turn ON SECCHI Operational Power	55	55	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr OFF, Op Pwr ON, Decontam Htr OFF, Interface Htr OFF	Obs PDR, 12/5/01, SECCHI Telecon 1/23/04
G&C	Enable GT Use	55	55	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Collect G&C GT performance data	G&C phone call 8/8/05
PLASTIC	Recover from P4 Maneuver (first of 2 days)	55	55	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		Ops WGM 4/21/04
S/C	Start Space Weather broadcast post-track	55	55	21 hrs	0/0/0/0/0.6/0	225	When altitude > 61,000 km. Macro 203. Configure for space weather data rate, 633 bps, turbo, r=1/6 for non-DSN time.	RF Lead email, 9/12/03
IMPACT	Deploy SIT and SEPT covers - AHEAD only	55	--	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SEPT-NS and SEPT-E each have two covers. RT data not stored in SSR	IMPACT Lead email 4/29/03. TLM and SSR usage per lead worksheet 2-17-2004
PLASTIC	Recover from P4 Maneuver	56	56	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		Ops WGM 4/21/04
IMPACT	SEPT Instruments commissioning - AHEAD only	56	--	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	RT data not stored in SSR	IMPACT Lead email 1/9/04. TLM and SSR usage per lead worksheet 2-17-2004

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 19 of 19

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
RF	Switch to 96 kbps downlink rate	57	57	2 min	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Macro 211. Record G&C maneuver TLM	G&C Lead email, 5/19/06
S/C	S1 – First Lunar Swingby	57	57	?	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	$\Delta V = 200$ m/sec AHEAD Altitude = 8,358 km BEHIND Altitude = 14,681 km	Mission Design, 7/11/2005
RF	Switch to 360 kbps downlink rate	57	57	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Macro 214.	
PLASTIC	Continue Entrance System c/o as necessary	57	57	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		Ops WGM 4/21/04
C&DH/EA	Change XPNDR ranging modulation index to heliocentric orbit setting (0.305 rads) – AHEAD only	58	--	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Increase ranging bandwidth for heliocentric orbit. Change macro 403 & 409 in EEPROM	RF Lead, 9/28/04
C&DH/EA	Switch to using No Blackbox for S/C HSKP playback macros – AHEAD only	58	--	5 min	720 3.2/3.2/3.6/2.2/0.6/ 3.3	241	Macro 434 for 720 kbps. (saves 177 Mbits)	RF Lead, 9/28/04
PLASTIC	Observe simultaneous A/B science data for inter-calibration	58	58	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Daily contacts for data. As much as possible.	PLASTIC Ops WGM 4/21/04
<b>***** Week 9 (Mission Days 57 thru 63)</b>								
G&C	RW Effects on Jitter	58	58	2 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Ramp-up/down RWs	G&C Lead, 6/18/03
RF	Step HGARA – BEHIND only	--	58	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
RF	Step HGARA – BEHIND only	--	62	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
G&C	Disable GT Use – BEHIND only	--	62	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		G&C phone call 8/5/05
SECCHI	Switch OFF SECCHI Operational Power – BEHIND only	--	62	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr ON, Op Pwr OFF, Decontam Htr OFF, Interface Htr OFF	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 20 of 20

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SWAVES PLASTIC <b>IMPACT</b>	Power down before S1+ Maneuver – <b>BEHIND</b> only	--	62	10 min 1 hr for PLASTIC	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. Baseline instru. off during maneuvers due to power limitations. PLASTIC OFF prior to IMPACT IDPU OFF. SWAVES off last. IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr OFF SWAVES Op Pwr OFF, Replacement Htr ON	SRD. PLASTIC Ops WGM 4/21/04. SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05
<b>S/C</b>	<b>S1+ Prime Delta V Maneuver-</b> <b>BEHIND</b> only	--	63	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	<b>Non-deterministic</b>	<b>Mission Design,</b> <b>7/11/2005</b>
SWAVES <b>IMPACT</b> PLASTIC	Power and recover SWAVES, IMPACT, and PLASTIC from S1+ Maneuver – <b>BEHIND</b> only	--	64	1 hr	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. SWAVES power-up first. IDPU, SWEA/STE-D, & SEP for IMPACT. PLASTIC ON after IMPACT IDPU IMPACT MAG Htr Enabled, Boom Htr OFF, & IDPU Op Pwr ON IMPACT SWEA/STE Surv Pwr OFF, Op Pwr ON IMPACT SEP/SEPT2 Surv Pwr OFF, Op Pwr ON, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr ON SWAVES Op Pwr ON, Replacement Htr OFF	SRD. SWAVES - MOR D- R #2 10/28/04. DAO email 7/8/05
SECCHI	Turn ON SECCHI Operational Power - <b>BEHIND</b> only	--	64	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr OFF, Op Pwr ON, Decontam Htr OFF, Interface Htr OFF	Obs PDR, 12/5/01, SECCHI Telecon 1/23/04
G&C	Enable GT Use – <b>BEHIND</b> only	--	64	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Collect G&C GT performance data	G&C phone call 8/8/05
<b>S/C</b>	<b>S1+ Backup Delta V Maneuver-</b> <b>BEHIND</b> only	--	63	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	<b>Non-deterministic. Only if prime maneuver was not successful.</b>	<b>Mission Design,</b> <b>7/11/2005</b>
PLASTIC	Recover from S1+ Maneuver – <b>BEHIND</b> only	--	65	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		Ops WGM 4/21/04
PLASTIC	Recover from S1+ Maneuver – <b>BEHIND</b> only	--	66	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		Ops WGM 4/21/04

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 21 of 21

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
RF	Step HGARA – BEHIND only	--	66	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
RF	Step HGARA – BEHIND only	--	70	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
RF	Step HGARA – BEHIND only	--	74	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
G&C	Disable GT Use – BEHIND only	--	75	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		G&C phone call 8/5/05
SECCHI	Switch OFF SECCHI Operational Power – BEHIND only	--	75	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr ON, Op Pwr OFF, Decontam Htr OFF, Interface Htr OFF	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SWAVES PLASTIC IMPACT	Power down before S2- Maneuver – BEHIND only	--	75	10 min 1 hr PLASTIC	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. Baseline instru. off during maneuvers due to power limitations. PLASTIC OFF prior to IMPACT IDPU OFF. SWAVES off last. IMPACT MAG Htr Enabled, Boom Htr & Op Pwr OFF IMPACT SWEA/STE Surv Pwr ON, Op Pwr OFF IMPACT SEP/SEPT2 Surv Pwr ON, Op Pwr OFF, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr OFF SWAVES Op Pwr OFF, Replacement Htr ON	SRD. PLASTIC Ops WGM 4/21/04. SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05
S/C	A5 Prime Delta V Maneuver- BEHIND only	--	76	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Non-deterministic	Mission Design, 7/11/2005
SWAVES IMPACT PLASTIC	Power and recover SWAVES, IMPACT, and PLASTIC from S2- Maneuver – BEHIND only	--	77	1 hr	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	If needed. SWAVES power-up first. IDPU, SWEA/STE-D, & SEP for IMPACT. PLASTIC ON after IMPACT IDPU IMPACT MAG Htr Enabled, Boom Htr OFF, & IDPU Op Pwr ON IMPACT SWEA/STE Surv Pwr OFF, Op Pwr ON IMPACT SEP/SEPT2 Surv Pwr OFF, Op Pwr ON, Interface Htr (2) OFF PLASTIC Surv Pwr ON, Op Pwr ON SWAVES Op Pwr ON, Replacement Htr OFF	SRD. SWAVES - MOR D-R #2 10/28/04. DAO email 7/8/05

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 22 of 22



Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SECCHI	Switch on SECCHI Operational Power – BEHIND only	--	77	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SECCHI Surv Pwr OFF, Op Pwr ON, Decontam Htr OFF, Interface Htr OFF	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
G&C	Enable GT Use – BEHIND only	--	77	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Collect G&C GT performance data	G&C phone call 8/8/05
SECCHI	Perform SECCHI Electronics/Software Functional Test – BEHIND only	--	77	2 hrs	360 3.2/3.2/93/2/0/3.3	245		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
PLASTIC	Recover from S2- Maneuver (1 of 2) – BEHIND only	--	77	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237		Ops WGM 4/21/04
S/C	<b>A5 Backup Delta V Maneuver- BEHIND only</b>	--	78	4 hrs	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	<b>Non-deterministic. Only if prime maneuver was not successful.</b>	<b>Mission Design, 7/11/2005</b>
RF	Step HGARA – BEHIND only	--	78	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days.	Mission Sim #1 Test Plan Rev, 12/20/04.
RF	Step HGARA – BEHIND only	--	82	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days	Mission Sim #1 Test Plan Rev, 12/20/04
RF	Step HGARA – BEHIND only	--	86	5 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Move HGA similar to heliocentric orbit, i.e., 14 steps every 4 days.	Mission Sim #1 Test Plan Rev, 12/20/04.
IMPACT	Deploy SIT and SEPT covers – BEHIND only	--	89	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	SEPT-NS and SEPT-E each have two covers. RT data not stored in SSR	IMPACT Lead email 4/29/03. TLM and SSR usage per lead worksheet 2-17-2004
IMPACT	SEPT Instruments commissioning BEHIND only	--	89	3 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	RT data not stored in SSR	IMPACT Lead email 1/9/0. TLM and SSR usage per lead worksheet 2-17-20044
G&C	Enable RW Speed Avoidance Algorithm	58	89	2 min	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Default for RW speed avoidance algorithm is disabled. (GCC.CtI.SpeedAvoid=1) Need DSN track Use 360 kbps, NRZ-L, turbo encoding, ranging on	C. Ray email, 4/27/05
RF	HGA Checkout and Optimization #2	58	90	2 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Desire GT on SPE angle = 120 deg (AHEAD). SPE angle = 173 deg (BEHIND) Disable autonomy rule 25 (Monitor HGA health) before each test. Earth range > 175,000 km	RF email, 3/4/04. DAO email 8/3/05.

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 23 of 23

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SECCHI	Perform SECCHI Electronics/Software Functional Test – AHEAD only	58	--	2 hrs	360 3.2/3.2/93/2.2/0.6/ 3.3	245		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04. DAO email 9/2/05
SECCHI	Perform Functional Test of SECCHI Mechanisms and Cameras	59	90	3 hrs (A) 2.5 hrs (B)	360 3.2/3.2/93/2/0/3.3	245		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
RF	HGA Checkout and Optimization #3	59	91	2 hrs	360 3.2/3.2/3.6/2.2/0.6/ 3.3	237	Need DSN track Use 360 kbps,NRZ-L, turbo encoding, ranging on Desire GT on SPE angle = 130 deg (AHEAD). SPE angle = 170 deg (BEHIND) Disable autonomy rule 25 (Monitor HGA health) before each test. Earth range > 175,000 km	RF email, 3/4/04. DAO email 8/3/05.
RF	Switch to HGA and 720 kbps downlink rate	59	91	2 min	720 3.2/3.2/3.6/2.2/0.6/ 3.3	241	Macro 216. S/C remains on HGA after HGA Opt. #3	
S/C	Stop Space Weather broadcast post-track	59	91		720 3.2/3.2/93/2.2/0.6/ 3.3	246	Space weather data is not required until the start of the Prime Science Mission (day 97). Space weather on the HGA exceeds PFD limits until day 104 for the Ahead S/C and until day 127 for the Behind S/C.	RF Lead emails, 9/12/03 and 8/28/04.
SECCHI	Open COR1, COR2, and EUVI Doors	60	91	30 min	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Perform Initial Camera Readout of COR1, COR2, and EUVI Telescopes	60	91	2 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Open HI Baffle Cover Door (Spacecraft-Commanded)	61	92	15 min	720 3.2/3.2/93/2.2/0.6/ 3.3	246	Enable rule 70 (HI wax actuator protection) before starting.	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Perform Initial Camera Readout of HI-1 and HI-2 Telescopes	61	92	2 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
THRM	Configure heaters for flight: S/C Survival disabled, S/C Operational enabled	61	93	5 min	720 3.2/3.2/93/2.2/0.6/ 3.3	246	After all Instruments are operating in operational configuration	Autonomy Rule Rev., 8/27/03
SECCHI	Perform HI Telescope Commissioning	62	93	22 hrs (A) 24 hrs (B)	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 24 of 24

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SECCHI	Perform HI Telescope Commissioning	63	94	22 hrs (A) 24 hrs (B)	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
RF	Switch to 96 kbps downlink rate – BEHIND only	--	97	2 min	96 3.2/3.2/3.6/2.2/0.6/ 26.1	234	Macro 211. Record G&C maneuver TLM	G&C Lead email, 5/19/06
S/C	<b>S2 – Second Lunar Swingby-</b> BEHIND only	--	97	?	720 3.2/3.2/3.6/2.2/0.6/ 3.3	241	<b><math>\Delta V = 200</math> m/sec</b> <b>BEHIND Altitude = 17,016km</b>	<b>Mission Design,</b> <b>7/11/2005</b>
<b>START OF STEREO PRIME SCIENCE MISSION</b>		--	97		720 3.2/3.2/3.6/2.2/0.6/ 3.3	241		
S/C	Start Space Weather broadcast post-track – BEHIND only	--	97	20.5 hrs	0/0/0/0.6/0	225	Configure for space weather data rate, 633 bps, turbo, r=1/6 for non- DSN time. Since the space weather on the HGA exceeds PFD limits until day 104 for the Ahead S/C and until day 127 for the Behind S/C, it may be stopped within a day upon request from another country if interference to that country's systems is detected.	RF Lead emails, 9/12/03 and 8/28/04
*****	<b>Switch from 3 hour track DSN coverage to 3.5 hour tracks centered every 24 hours – BEHIND only</b>	<b>NA</b>	<b>98</b>					
RF	Switch to 720 kbps downlink rate – BEHIND only	--	98	2 min	720 3.2/3.2/3.6/2.2/0.6/ 3.3	241	Macro 216.	
C&DH/EA	Change XPNDR ranging modulation index to heliocentric orbit setting (0.305 rads) – BEHIND only	--	98	5 min	720 3.2/3.2/3.6/2.2/0.6/ 3.3	241	Increase ranging bandwidth for heliocentric orbit. Change macro 403 in EEPROM	RF Lead, 9/28/04
C&DH/EA	Switch to using No Blackbox for S/C HSKP playback macros – BEHIND only	--	98	5 min	720 3.2/3.2/3.6/2.2/0.6/ 3.3	241	Macro 434 for 720 kbps. (saves 177 Mbits)	RF Lead, 9/28/04
SECCHI	Perform COR1 Telescope Commissioning	64	98	22 hrs (A) 24 hrs (B)	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	GT-COR1 Calibration	65	99	3 hrs (A) 24 hrs (B)	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Perform COR1 Telescope Commissioning - AHEAD only	66	--	24 hrs (B)	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 25 of 25

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
RF	HGA Checkout and Optimization #4	66	99	2 hrs	720 3.2/3.2/3.6/2.2/0.6/ 3.3	241	Need DSN track Use 720 kbps, NRZ-L, turbo encoding, ranging on Desire GT on SPE angle = 150 deg (AHEAD). SPE angle = 90 deg BEHIND) Disable autonomy rule 25 (Monitor HGA health) before each test. Earth range > 175,000 km	RF email, 3/4/04. DAO email 8/3/05.
SECCHI	Perform EUVI Telescope Commissioning	67	100	22 hrs (A) 24 hrs (B)	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Perform EUVI Telescope Commissioning- <b>AHEAD</b> only	68	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Perform COR2 Telescope Commissioning	69	101	22 hrs (A) 24 hrs (B)	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Perform COR2 Telescope Commissioning- <b>AHEAD</b> only	70	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Perform HI Telescope Commissioning	71	102	22 hrs (A) 24 hrs (B)	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	Perform EUVI Telescope/GT Calibration using 2-axis offpointing Spacecraft Motion	72	103	2 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI G&C PLASTIC	Perform COR1 & COR2 Telescope Commissioning with Calibration Rolls	73	104	2 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246	PLASTIC operational. MOC commanding	SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04. PLASTIC Ops WGM 4/21/04
SECCHI	Perform addtl. Telescope Comm. (as needed) - <b>AHEAD</b> only	75	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	76	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	80	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	81	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 26 of 26

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	82	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	83	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	84	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	85	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	86	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	87	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	88	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	89	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-B Trial Synoptic and Special Observing Program- <b>AHEAD</b> only	90	--	24 hrs	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	SECCHI FM-A and FM-B Trial Synoptic and Special Observing Program	91	106	22 hrs (A) 24 hrs (B)	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
	<b>START OF STEREO PRIME SCIENCE MISSION</b>	97	--		720 3.2/3.2/3.6/2.2/0.6/ 3.3	241		
S/C	Start Space Weather broadcast post-track – <b>AHEAD</b> only	97	--	20.5 hrs	0/0/0/0.6/0	225	Configure for space weather data rate, 633 bps, turbo, r=1/6 for non-DSN time. Since the space weather on the HGA exceeds PFD limits until day 104 for the Ahead S/C and until day 127 for the Behind S/C, it may be stopped within a day upon request from another country if interference to that country's systems is detected.	RF Lead emails, 9/12/03 and 8/28/04

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 27 of 27

Subsys/ Instr	Events	AHEAD Obs. Schedule (Mission Day)	BEHIND Obs. Schedule (Mission Day)	Duration (per Obs.)	Real-time Downlink TLM Rate (kbps) (IM/PL/SE/SW/WT /SC)	RTDF D (macro #)	Remarks	Source
SECCHI	SECCHI FM-A/ FM-B Joint Observing Test Program	107	107	22 hrs (A) 24 hrs (B)	720 3.2/3.2/93/2.2/0.6/ 3.3	246		SECCHI Telecon 1/23/04. SECCHI M-O-R presentation 11/10/04.
SECCHI	<b>SECCHI Campaign Mission Days 125 thru 152</b>	<b>125-152</b>	<b>125-152</b>	<b>NA</b>	720 3.2/3.2/3.6/2.2/0.6/ 3.3	241	<b>Additional 1.75 hour track 12 hours after the start of the daily 3.5 hour track</b>	

FSCM NO.	SIZE	DRAWING NO.	REV.
88898	A	7381-9300	d
SCALE	DO NOT SCALE PRINT		SHEET 28 of 28