P.C.H. Martens
February 20, 1995

Time-Line for SOHO Cruise Phase Science Operations: prior to MCC2

Nr.	Day & Time	Experiment	Action	Comment
1	0 & 00:00	SPACECRAFT	Launch	For detailed LEOP timeline, see Flight Operations Plan
2	0 & 00:10	SPACECRAFT	Centaur main engine cutoff	Beginning of parking orbit
3	0 & 00:18	SPACECRAFT	Second Centaur main engine start	Launch into transfer trajectory, assuming short duration (00:08) parking orbit. Long duration may be up to 1:38
4	0 & 00:20	SPACECRAFT	Second Centaur main engine cutoff	Start of transfer trajectory (MECO2)
5	0 & 00:55	SPACECRAFT	Centaur/SOHO separation	First acquisition of signal by DSN
6	0 & 00:55:05	SPACECRAFT	Automatic Initial Sun Acquisition	Monitored from ground
7	0 & 01:01:00	SPACECRAFT	Solar array deployment	Assuming nominal sun acquisition
8	0 & 01:10	CEPAC	Observe ESU UTRP temperature from ESU S/C powered thermistors	Initial temperature used in ESU TCA.
9	0 & 01:10	MDI	Switch on S/C substitution heaters	MDI OFF Mode

10	0 & 01:10:00	SPACECRAFT	Beginning of ground control activities	Nominal 15 minutes after separation
11	0 & 01:10:01	SPACECRAFT	Thermal control activation	Critical support for 30:00 minutes more required
12	0 & 01:11	CEPAC	Switch ON ESU non-operational heaters.	
13	0 & 01:12	CEPAC	Start following ESU UTRP temperature.	Wait until thermal equilibrium has been reached with UTRP temp. between 15 - 20 degrees C.
14	0 & 01:13	SUMER	Switch on of non-operational heaters	
15	0 & 02:00	SPACECRAFT	Thermal Check PTCS	SSP1: several hours, OFF-LINE
16	0 & 03:03:00	SPACECRAFT	Start star mappings and roll maneuvers	Takes 8 to 12 hours
17	0 & 06:00	GOLF	Run GOLF Main Channel GLF_ON CF	Check door is closed
18	0 & 06:30	GOLF	Run Main Channel GLF_OFF	
19	0 & 12:00	MDI	Begin MDI Activation to SLEEP Mode	Duration 1 hour
20	0 & 12:05	MDI	Establish power up configuration	
21	0 & 12:15	MDI	Switch on power converters and DEP	
22	0 & 12:30	MDI	Verify DEP functionality	

23	0 & 13:00	MDI	Switch on & verify adjustable CCD heater	
24	0 & 13:10	MDI	Set CCD heater to +30 deg C	14 day bakeout
25	0 & 13:15	MDI	Switch on & verify Optics Package heater	
26	0 & 13:25	MDI	Set OP heater to +30 deg C	10 day bakeout
27	0 & 13:40	MDI	Switch off S/C substitution heaters	
28	0 & 14:00	MDI	MDI in SLEEP Mode	
29	1 & 01:00	MDI	Switch on & verify Filter Oven heater	MDI SLEEP Mode
30	1 & 01:10	MDI	Set Filter Oven heater to +35 deg C	
31	1 & 02:00	MDI	Adjust settings for CCD and OP heaters	
32	1 & 12:00:00	SPACECRAFT	First orbit correction maneuver (MCC1)	S/C in orbital maneuver mode
33	1 & 13:15	SPACECRAFT	Single Event Upset Survey	SSD12: 15 minutes, to be repeated daily (continuously?)
34	1 & 13:55	SPACECRAFT	Fuel Budget Verification	S4: 2 hours, OFF-LINE
35	1 & 14:00	SPACECRAFT	Power Subsystem Good Health Check	SSE1: 1 hour
36	1 & 16:00	SPACECRAFT	AOCS Subsystem Good Health Test	SSA11: 1 hour

37	1 & 18:00	SPACECRAFT	Data Handling Subsystem Good Health Test	SSD9: 1 hour
38	1 & 20:00	SPACECRAFT	Antenna Subsystem Good Health Test	SSR3: 1 hour
39	1 & 22:00	SPACECRAFT	Dump Programmable Part of S/W Package	SSD1: 8 hours
40	2 & 00:00	SWAN	SWN_ON Proc	After 2 days for outgassing (no cover)
41	2 & 02:00	SWAN	SU1 Launch Lock Actuation	Modified Comm_n Proc. wait 3 minutes. Data Analysis
42	2 & 02:10	SWAN	SU2 Launch Lock Actuation	Wait 3 minutes. Data Analysis
43	2 & 02:20	SWAN	Sensor Head Orientation	for Improved Outgassing
44	2 & 02:25	SWAN	Deep Sky Observation (no star)	Redirect sensors, HV ON and adjusted
45	2 & 03:25	SWAN	Readjust HV SU1 and SU2	
46	2 & 04:25	SWAN	H Cell Verification	Modified comm-e/f Proc
47	2 & 14:00	SPACECRAFT	Transition from TR1 to SSR	SSD7: 1 hour
48	2 & 16:00	SPACECRAFT	Single Event Upset Survey	SSD12: 15 minutes, daily, won't be repeated after this
49	2 & 16:30	SPACECRAFT	HGA Centering	SSR1: 2 hours
50	2 & 20:30	SPACECRAFT	Fourth Reaction Wheel Functional Test	SSA9: 2 hours

51	3 & 00:00:00	SPACECRAFT	Begin G/S nominal daily support	
52	3 & 00:00	SWAN	Moon Observation	
53	3 & 00:10	SPACECRAFT	Thermal Prediction Check	SSS1: 24 hours no movements + 4 hours measurements, use SSR, OFF-LINE
54	4 & 00:00	SWAN	Geocoronal Observation	
55	4 & 00:00:00	SPACECRAFT	S/C nominal transfer mode and ranging mode	Science data acquisition possible
56	4 & 00:08	CELIAS	CELIAS DPU Initial Turn On	DPU functional test
57	4 & 00:10	SPACECRAFT	Measurements for Thermal Prediction Check	SSS1: second part, OFF-LINE
58	4 & 00:30	GOLF	Run Main Channel GLF_ON	Initiate Main Ch. Commissioning
59	4 & 00:48	CELIAS	CELIAS CTOF Initial Turn On	
60	04 & 01:00	LASCO+EIT	Execute FOT procedure to turn power on to LEB	
61	4 & 01:00	GOLF	Run Main GLF_COM and GLF_COM_D	Including motors tests
62	4 & 01:00	MDI	Begin MDI transition to SAFE Mode	
63	04 & 01:01	LASCO+EIT	Disable Auto Boot, Configure ICA & ICB, Manual Boot IC	

64	4 & 01:10	MDI	Verify MDI 160k telemetry in FILL mode	5 min VC2 required
65	4 & 01:15	MDI	Power up Image Processor & CCD camera	10 min VC2 required
66	4 & 01:18	CELIAS	Initial CELIAS CTOF Checkout IFC	CTOF electronics test
67	4 & 01:30	MDI	Power up internal mechanisms	
68	4 & 01:45	MDI	Power up Image Stabilization System	
69	4 & 01:48	CELIAS	Initial CELIAS CTOF Checkout SSD	CTOF detector test
70	04 & 02:00	LASCO+EIT	Fire EIT Door LL Paraffin Actuator	S/C Command
71	04 & 02:15	LASCO+EIT	Fire COB Launch Lock Paraffin Actuator	
72	4 & 02:18	CELIAS	CELIAS CTOF Bakeout and Outgassing Begins	
73	4 & 02:30	MDI	Adjust settings for heaters	
74	04 & 02:30	LASCO+EIT	Move FP Launch Lock to unlock	
75	04 & 02:40	LASCO+EIT	Open C1, C2, C3, EIT doors slightly	
76	4 & 02:48	CELIAS	CELIAS STOF Initial Turn On	
77	4 & 02:55	MDI	MDI in SAFE Mode	

78	04 & 02:55	LASCO+EIT	Open EIT Pressure Release Valve	
79	4 & 03:00	MDI	Begin initial MDI Commissioning	MDI SAFE Mode
80	04 & 03:00	LASCO+EIT	Adjust pointing of COB to sun center	
81	4 & 03:05	MDI	Internal mechanisms checkout	
82	4 & 03:18	CELIAS	Initial CELIAS STOF Checkout IFC	STOF electronics test
83	4 & 03:30	GOLF	Run Main GLF_RECOVERY	Returning to Stand by mode
84	04 & 03:30	LASCO+EIT	Reconfigure for normal ops, boot all subsystems	
85	4 & 03:30	MDI	Image Stabilization System checkout	
86	4 & 04:00	MDI	Verify MDI FILL format	5 min VC2 required
87	4 & 04:00	GOLF	Send GBMMON	Activating Magnetic modulation
88	4 & 04:01	GOLF	Send GBCBCST + parameter	Initiating Bulb heating
89	4 & 04:10	MDI	Initial images (¿8)with door closed	15 min VC2 required
90	4 & 04:15	MDI	CCD Camera checkout	
91	4 & 04:40	MDI	Image Processor checkout	20 min VC2 required

92	4 & 04:48	CELIAS	Initial CELIAS STOF Checkout SSD	STOF detector test
93	4 & 05:00	MDI	Finish initial MDI Commissioning	
94	04 & 05:30	LASCO+EIT	Check out Temperature Control Algorithms	
95	04 & 06:00	LASCO+EIT	Warm up and Check Out Mechanisms	
96	4 & 06:00	SPACECRAFT	Thermal Transient on Tape Recorder	SSS2: 24 hours of nominal TR1 use, check temperature, OFF-LINE
97	4 & 06:00	CDS	Initial CDS Switch On	CDS To Standby/Eng Data Onset
98	4 & 06:00	GOLF	Send GBCSCST + parameter	Initiating Stem heating
99	4 & 08:00	UVCS	UVCS power ON (A side)	SMOCC executes U_PWR_ON(1) (ded.)
100	4 & 08:30	UVCS	Transfer UVCS control to IWS	(dedicated)
101	4 & 09:00	UVCS	Check mechanism launch lock/switch status	(dedicated)
102	4 & 09:15	UVCS	Check-out commanding by IWS	(dedicated) send UBNO cmd, verify cmd counters and S/C toggle bit state
103	4 & 09:30	UVCS	Check out heaters and heater power relay	(dedicated)
104	4 & 10:00	UVCS	Monitor UVCS status	for 48 hrs while in INIT mode (shared)

105	4 & 23:00	VIRGO	Power ON	1h before 24h pulse 4d/5d, covers still locked
106	05 & 00:00	LASCO+EIT	Adjust Temperature Control parameters	
107	5 & 00:00	SWAN	First Sky Map (50	
108	05 & 00:10	LASCO+EIT	Determine optimum mechanism parameters	
109	5 & 00:15	VIRGO	Switch ON instruments sequentially	SPM heaters ON
110	5 & 00:18	CELIAS	CELIAS CTOF SWITCH OFF	Preparation for MTOF cover release
111	5 & 00:18	CELIAS	CELIAS STOF SWITCH OFF	Preparation for MTOF cover release
112	5 & 00:48	CELIAS	CELIAS MTOF Initial Turn On	
113	5 & 00:59	CEPAC	Switch OFF ESU non-operational heaters.	
114	5 & 01:00	MDI	Image Processor functional tests	
115	5 & 01:00	CEPAC	Switch ON CEPAC.	Control file CPC_ON.
116	5 & 01:18	CELIAS	CELIAS MTOF Cover Release	
117	5 & 01:30	CEPAC	Start observing ESU thermal behaviour.	Change by commands (TBD) ESU TCA parameters as appropriate, if needed.

118	5 & 01:48	CELIAS	Initial CELIAS MTOF Checkout IFC	MTOF electronics test
119	5 & 02:00	MDI	Image Processor image tests	20 min VC2 required
120	5 & 02:00	CEPAC	Start EPHIN commissioning.	Control file CPC_EPHIN1, duration 1.5 hours.
121	5 & 02:18	CELIAS	CELIAS MTOF Bakeout and Outgassing Begins	
122	5 & 02:48	CELIAS	CELIAS CTOF Switch On	After MTOF cover release
123	5 & 03:18	CELIAS	CELIAS STOF Switch On	After MTOF cover release
124	5 & 04:00	CEPAC	Start LION commissioning.	Control file CPC_LION, duration 0.5 hours.
125	05 & 04:00	LASCO+EIT	Check out C1, C2, C3, EIT Cameras, Adjust temp control	
126	06 & 00:00	LASCO+EIT	Adjust COB and EIT Temperature Control parameters	
127	6 & 00:00	SWAN	Star Calibration	
128	06 & 00:10	LASCO+EIT	Check out FP	4 day duration
129	6 & 00:15	VIRGO	Unlock covers	
130	6 & 00:45	VIRGO	Open covers of CROM and PMO-A	
131	6 & 01:00	MDI	Begin Image Processor table loads	MDI SAFE Mode

132	6 & 03:48	CELIAS	CELIAS CTOF Bakeout Ends	Heater OFF
133	6 & 08:00	UVCS	Verify checksums of EEP-ROM segments with flight s/w	(ded.)
134	6 & 08:30	UVCS	Main flight s/w ON (JUMP)	Only if SEU rate is low (ded.)
135	6 & 08:45	UVCS	UVCS Local On-Board Time (LOBT) update by SMOCC	(dedicated) IWS checks OBT vs. LOBT
136	6 & 09:00	UVCS	Enter Installation mode and set software flags (TBC)	(ded.)
137	6 & 09:30	UVCS	Dump onboard tables and check against MOPS database	(ded.)
138	6 & 10:00	UVCS	Enter Pre-Operations software mode	(dedicated)
139	6 & 10:15	UVCS	Monitoring UVCS status	for at least 24 hrs (shared)
140	7 & 00:00	SWAN	Mechanical Offsets Measurement	
141	07 & 00:00	LASCO+EIT	Adjust COB and EIT Temperature Control Parameters	
142	7 & 00:55	SUMER	Switch on instrument	Non-operational heaters: off
143	7 & 01:00	MDI	Shutter performance tests	MDI SAFE Mode
144	7 & 01:00	CEPAC	Start ESU commissioning.	Control files CPC_DPU, CPC_ESU, CPC_ESCAL.

145	7 & 01:00	SUMER	Initial commissioning of electronics	
146	7 & 04:18	CELIAS	CELIAS CTOF Outgassing Ends - Reconfigure	
147	7 & 06:18	CELIAS	CELIAS CTOF MCP Initial Turn On	
148	7 & 06:48	CELIAS	CELIAS MTOF Bakeout Ends	Heater OFF
149	7 & 08:00	UVCS	LYA/OVI detectors ON	for better outgassing (HV OFF) (ded.)
150	7 & 08:30	SUMER	Partial opening of door	w/o UV illumination of mirrors
151	7 & 08:30	UVCS	Partially open door	UVCS already in diagnostics mode (ded.)
152	7 & 08:31	SUMER	Switch on non-operational heaters and set to 100	
153	7 & 09:00	UVCS	Adjust htr. setpoints	to further increase temp. (dedicated)
154	7 & 09:30	UVCS	Monitor temperatures	If necessary, adjust heaters (shared)
155	7 & 15:00	UVCS	Start outgassing period	2 months (TBC) (shared)
156	8 & 00:00	GOLF	Run Main Channel GLF_OFF	Before switching to Red
157	8 & 00:00	SWAN	Measurement of SWAN Induced Jitter	

158	8 & 00:00	SPACECRAFT	On Board Time Stability	SSD10: 0.1 hours (?), non-interference, repeat at each OBT adjustment
159	08 & 00:00	LASCO+EIT	Adjust COB and EIT Temperature Control Parameters	
160	8 & 00:18	CELIAS	CELIAS CTOF MCP Turn On Continues	
161	8 & 00:30	GOLF	Run Red Channel GLF_ON	Initiating Red Ch. Commissioning
162	8 & 00:48	CELIAS	CELIAS MTOF Outgassing Ends - Reconfigure MAIN	
163	8 & 01:00	CEPAC	Start observation.	Check correct functioning of on-board analysis SW.
164	8 & 01:00	GOLF	Run Red Channel GLF_COM and GLF_COM_D	Including motors test
165	8 & 01:18	CELIAS	CELIAS MTOF Outgassing Ends - Reconfigure PM	
166	8 & 01:48	CELIAS	CELIAS MTOF MCP Initial Turn On	
167	8 & 03:30	GOLF	Run Red GLF_RECOVERY	
168	8 & 04:00	GOLF	Send GBMMON	Activating modulation
169	8 & 04:01	GOLF	Send GBCBCST + parameter	Initiating cell Bulb heating
170	8 & 06:00	GOLF	Send GBCSCST + parameter	heating Stem

171	9 & 00:00	SWAN	Measure Mirror Polarization	Using S/C Roll
172	09 & 00:00	LASCO+EIT	Adjust COB and EIT Temperature Control Parameters	
173	9 & 00:18	CELIAS	CELIAS CTOF E/Q Initial Turn On	
174	9 & 01:18	CELIAS	CELIAS MTOF MCP Turn On Continues	
175	10 & 00:00	SWAN	H Cell Measurement	On +/-Z directions
176	10 & 00:00	LASCO+EIT	Adjust COB and EIT Temperature Control Parameters	
177	10 & 00:10	LASCO+EIT	Checkout software control	3 days duration
178	10 & 00:15	VIRGO	Open covers of LOI and SPM-A	
179	10 & 00:18	CELIAS	CELIAS MTOF MCP Turn On Continues	
180	10 & 00:45	VIRGO	Open cover of PMO-B	
181	10 & 01:00	VIRGO	Switch from A to B operational	A is now in backup mode, but still Sun exposed
182	10 & 01:00	MDI	Adjust OP heater to +20 deg C	MDI SAFE Mode
183	10 & 01:18	CELIAS	CELIAS CTOF PAPS Initial Turn On	

184	11 & 00:00	LASCO+EIT	Adjust COB and EIT Temperature Control Parameters	
185	11 & 00:00	SWAN	H Cell Measurement	On antisolar directions
186	11 & 00:18	CELIAS	CELIAS MTOF MCP Turn On Continues	
187	11 & 00:18:30	CELIAS	CELIAS CTOF PAPS Turn On Continues	
188	11 & 01:00	VIRGO	Switch back to PMO-A operational	
189	11 & 01:15	VIRGO	Close cover PMO-B	
190	11 & 01:30	VIRGO	Open cover of SPM-B and MUX	SPM Mode for a few hours
191	11 & 08:30	VIRGO	Close cover SPM-B	
192	12 & 00:00	LASCO+EIT	Adjust COB and EIT Temperature Control Parameters	
193	12 & 00:00	SWAN	H Cell Measurement	On Sun illuminted S/C
194	12 & 00:00	GOLF	Run Red Channel GLF_OFF CF	Optional : if Main is to be run
195	12 & 00:18	CELIAS	CELIAS CTOF PAPS Turn On Continues	
196	12 & 00:30	GOLF	Run Main Ch. GLF_ON	Optional if Main is selected for next test
197	12 & 00:48	CELIAS	CELIAS CTOF SWITCH OFF	Preparation for STOF shutter release

198	12 & 01:01	GOLF	Send GBMMON	
199	12 & 01:02	GOLF	Send GBPOINI + parameter	Select Polariser initial angle
200	12 & 01:03	GOLF	Send GBQWINI + parameter	Select Quarter-Wave initial angle
201	12 & 01:04	GOLF	Send GBPONOM	Initiating mechanisms nominal actuation
202	12 & 01:05	GOLF	Send GBDOOP	Opening Door for stray light measurement
203	12 & 01:15	GOLF	Send GBCBCST + parameter	Initiating Cell Bulb heating
204	12 & 01:48	CELIAS	CELIAS MTOF SWITCH OFF	Preparation for STOF shutter release
205	12 & 02:48	CELIAS	CELIAS STOF Shutter Release	
206	12 & 03:18	CELIAS	CELIAS STOF Bakeout and Outgassing Begins	
207	12 & 04:18	CELIAS	CELIAS CTOF Switch On	After STOF shutter release
208	12 & 05:18	CELIAS	CELIAS MTOF Switch On	After STOF shutter release
209	13 & 00:00	SWAN	Test of Sunshade Efficiency	
210	13 & 00:00	GOLF	Send GBCSCST + parameter	Initiating Stem heating
211	13 & 00:00	LASCO+EIT	Adjust COB and EIT Temperature Control Parameters	

212	13 & 00:10	LASCO+EIT	Upload of IC Software	
213	13 & 00:18	CELIAS	CELIAS STOF Bakeout Ends	Heater OFF
214	13 & 00:30	LASCO+EIT	Execute FOT procedure to turn power off to LEB	
215	13 & 00:35	LASCO+EIT	Execute FOT procedure to turn power on to LEB	
216	13 & 00:48	CELIAS	CELIAS CTOF PAPS Turn On Continues	
217	13 & 01:00	GOLF	Send GBCBCST + parameter	Adjust Bulb heating
218	13 & 01:00	LASCO+EIT	Preliminary C1 Focus Check	0.5 day duration
219	13 & 01:01	GOLF	Send GBCSCST + parameter	Adjust Stem heating
220	13 & 01:18	CELIAS	CELIAS MTOF PM E/Q Initial Turn On	
221	13 & 02:00	GOLF	Send GBCBCST + param	Adjust Bulb heating
222	13 & 02:01	GOLF	Send GBCSCST + param	Adjust Stem Heating
223	13 & 02:02	GOLF	Send GBFICST + param	Adjust Filter heating
224	13 & 04:30	LASCO+EIT	Preliminary C2 Focus Check	0.5 day duration
225	14 & 00:00	LASCO+EIT	Close C1, C2, C3 doors for door closed calibration checks	

226	14 & 00:00	GOLF	Send GBCSCST + param	Calibrate measured velocity/cell temp.
227	14 & 00:00	SWAN	Comet Search	No Coronal Obs. until after HOI
228	14 & 00:10	LASCO+EIT	Internal Calibration checks	6 days duration
229	14 & 00:18	CELIAS	CELIAS MTOF MAIN WAVE E/Q Initial Turn On	
230	14 & 00:18	CELIAS	CELIAS STOF Outgassing Ends - Reconfigure	
231	14 & 00:48	CELIAS	CELIAS SEM Initial Turn On	
232	14 & 00:48:30	CELIAS	CELIAS CTOF PAPS Turn On Continues	
233	14 & 01:00	MDI	Adjust CCD heater to 0 deg C	MDI SAFE Mode
234	14 & 01:00	GOLF	Send GBCSCST + param	
235	14 & 02:00	GOLF	Send GBCSCST + param	
236	14 & 03:00	GOLF	Send GBCSCST + param	
237	14 & 03:18	CELIAS	CELIAS STOF MCP1 Initial Turn On	
238	14 & 04:00	GOLF	Send GBCSCST + param	
239	14 & 05:00	GOLF	Send GBCSCST + param	
240	14 & 05:18	CELIAS	CELIAS STOF MCP2 Initial Turn On	

241	14 & 06:00	GOLF	Send GBCSCST + param	
242	14 & 07:00	GOLF	Send GBCSCST + param	
243	14 & 08:00	GOLF	Send GBCSCST + param	
244	15 & 00:00	MDI	Begin MDI transition to STANDBY Mode	
245	15 & 00:00	GOLF	Send GBCSCST + param	
246	15 & 00:18	CELIAS	CELIAS CTOF PAPS Turn On Continues	
247	15 & 00:18:30	CELIAS	CELIAS MTOF WAVE/PM Flight Configuration	
248	15 & 00:19	CELIAS	CELIAS STOF MCP1 Turn On Continues	
249	15 & 00:19:30	CELIAS	CELIAS STOF MCP2 Turn On Continues	
250	15 & 00:48	CELIAS	CELIAS HSTOF E/Q Initial Turn On	
251	15 & 01:00	MDI	Open front door	
252	15 & 01:00	GOLF	Send GBCSCST + param	
253	15 & 01:20	MDI	First light images (12 images)	20 min VC2 required
254	15 & 01:40	MDI	Configure Image Stabilization System	
255	15 & 02:00	MDI	MDI in STANDBY Mode	

256	15 & 02:00	GOLF	Send GBCSCST + param	
257	15 & 03:00	GOLF	Send GBCSCST + param	
258	15 & 04:00	GOLF	Send GBCSCST + param	
259	15 & 04:00	MDI	Initial alignment	MDI STANDBY Mode
260	15 & 04:15	MDI	Alignment verification images	15 min VC2 required
261	15 & 04:30	MDI	ISS initial functional tests	Some leg motion
262	15 & 05:00	GOLF	Send GBCSCST + param	
263	15 & 06:00	GOLF	Send GBCSCST + param	
264	15 & 07:00	GOLF	Send GBCSCST + param	
265	15 & 08:00	GOLF	Send GBCSCST + param	
266	16 & 00:00	GOLF	Send GBCSCST + param	
267	16 & 00:18	CELIAS	CELIAS CTOF PAPS Turn On Continues	For several days
268	16 & 00:18:30	CELIAS	CELIAS STOF MCP1 Turn On Continues	For several days
269	16 & 00:19	CELIAS	CELIAS STOF MCP2 Turn On Continues	For several days
270	16 & 00:48	CELIAS	CELIAS MTOF Hyperbola (HPS) Initial Turn On	Continues for days, also during MCC2
271	16 & 01:00	GOLF	Send GBCSCST + param	
272	16 & 01:00	MDI	ISS performance tests	MDI STANDBY Mode

273	16 & 01:20	MDI	Alignment verification images	10 min VC2 required
274	16 & 01:30	MDI	ISS performance tests with leg motion	
275	16 & 01:40	MDI	Alignment verification images	10 min VC2 required
276	16 & 02:00	GOLF	Send GBCSCST + param	
277	16 & 03:00	GOLF	Send GBCSCST + param	
278	16 & 03:18	CELIAS	CELIAS STOF E/Q Initial Turn On	
279	16 & 04:00	MDI	Initial Michelson tuning Test	MDI READY Mode
280	16 & 04:00	GOLF	Send GBCSCST + param	
281	16 & 04:15	MDI	Calibration mode tuning test	10 min VC2 required
282	16 & 04:30	MDI	Observing mode tuning test	10 min VC2 required
283	16 & 05:00	GOLF	Send GBCSCST + param	
284	16 & 06:00	GOLF	Send GBCSCST + param	
285	16 & 07:00	GOLF	Send GBCSCST + param	
286	16 & 07:00	GOLF	Send GBCSCST + param	
287	17 & 01:00	MDI	Initial MDI Calibration	MDI STANDBY Mode
288	17 & 02:00	MDI	MDI focus test	20 min VC2 required

289	17 & 03:00	MDI	MDI light transfer curve test	20 min VC2 required
290	17 & 04:00	MDI	MDI image quality test	20 min VC2 required
291	17 & 05:00	MDI	Velocity & intensity algorithm test	20 min VC2 required
292	18 & 00:00	SPACECRAFT	Drift and Scale Factor of Gyros	SSA2 6 hours and 12 hours, no interference
293	18 & 00:00	GOLF	VIRGO 10 arcmin in E-W and N-S direction depointing calibration	GOLF coordinated obs.
294	18 & 00:15	VIRGO	Tests for de-pointing	e.g. +/- 10 arcmin in E-W and N-S direction, coordinated with GOLF
295	18 & 01:00	MDI	Alignment verification images	10 min VC2 required
296	18 & 01:10	MDI	Velocity time series	4 hrs VC3 required
297	19 & 00:00	SPACECRAFT	External Disturbing Torques Calibration	S5: ?? hours, OFF-LINE
298	19 & 00:18	CELIAS	CELIAS STOF HV and SEM Turn Off	For MCC2
299	19 & 00:18	CELIAS	CELIAS CTOF HV Turn Off	For MCC2
300	19 & 00:48	CELIAS	CELIAS MTOF HV Turn Off	For MCC2
301	19 & 06:00	MDI	Begin MDI transition to SAFE Mode	

302	19 & 06:00	GOLF	Send GBDOCL	Close door prior to Mid Course Correction MCC2
303	19 & 06:05	MDI	Close Front Door	
304	19 & 06:10	MDI	MDI in SAFE Mode	
305	19 & 21:30	VIRGO	Close covers	For MCC2
306	19 & 21:45	SUMER	Switch off non-operational heaters	
307	19 & 22:00	SUMER	Close door	For MCC2
308	19 & 23:00	SWAN	SWN_OF Proc.	For MCC2
309	20 & 00:00:00	SPACECRAFT	Second midcourse correction maneuver (MCC2)	S/C in orbital maneuver mode, orbit correction + wheels off-loading