

SOHO Events List

Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
DEC	2	1995		Spacecraft	336	1	8:08	Launch
DEC	2	1995		Spacecraft	336	1	10:10	Separation from Centaur
DEC	2	1995		Spacecraft	336	1	10:14	Telemetry acquired (delayed by ~ 3 min.)
DEC	2	1995		Spacecraft	336	1	10:19	Solar Array deployed
DEC	2	1995		Spacecraft	336	1	16:48	Fail-over to Gyro Mode
DEC	2	1995		Spacecraft	336	1	18:30	High Gain Antenna deployed
DEC	3	1995		Spacecraft	337	2	2:04	Thermal Reconfiguration (GOLF Sub.Htr.)
DEC	4	1995		Spacecraft	338	3	0:10	MCC1 X-1 Burn
DEC	4	1995		Spacecraft	338	3	2:05	ESR-1 (Emergency Sun Reorientation), by roll rate; failure was ACU Reset
DEC	4	1995		Spacecraft	338	3	18:00	MCC1 X-2 Burn
DEC	4	1995		Spacecraft	338	3	19:18	Fail-over to Gyro Mode
DEC	14	1995		Spacecraft	348	13	0:27	Momentum Management; +3500/+600/+1000
DEC	14	1995		Spacecraft	348	13	5:50	Roll to nominal attitude complete
DEC	14	1995		Spacecraft	348	13	16:15	Fail-over to Gyro Mode
DEC	15	1995		Spacecraft	349	14	4:34	Fail-over to Gyro Mode
DEC	17	1995		Spacecraft	351	16	6:46	Fail-over to Gyro Mode
DEC	18	1995		Spacecraft	352	17	16:41	Tape Recorder Maintenance
DEC	23	1995		Spacecraft	357	22	13:37	Onboard Time Frequency Adjustment
DEC	26	1995		Spacecraft	360	25	23:33	Onboard Time Frequency Adjustment

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JAN	5	1996		Spacecraft	5	35	5:40	MCC2 X-1 Burn
JAN	13	1996		Spacecraft	13	43	14:31	Onboard Time Frequency Adjustment
JAN	16	1996		Spacecraft	16	46	18:25	Momentum Management; -1200/+1000/+3200
FEB	1	1996		Spacecraft	32	62	10:16	Fail-over to Gyro Mode
FEB	14	1996		Spacecraft	45	75	17:00	Halo Orbit Insertion Manoeuvre (HOI)
FEB	14	1996		Spacecraft	45	75	19:01	Reaction Wheel 4 Commissioning
FEB	16	1996		GOLF	47	77	16:11	GOLF power cycle for re-boot (4 minutes)
FEB	17	1996		Spacecraft	48	78	14:45	Offset Tests:FPSS Pi&Ya; Golf: Ro,Pi,Ya (PCPG)
FEB	21	1996		GOLF	52	82	5:52	J2 - Golf Oscillation Tests - Yaw (PCPG)
FEB	22	1996		GOLF	53	83	2:30	J2 - Golf Oscillation Tests - Pitch (PCPG)
FEB	24	1996		Spacecraft	55	85	9:52	Fail-over to Gyro Mode
FEB	26	1996		Spacecraft	57	87	21:56	Telemetry Submodes 2,3,4 tested
MAR	2	1996		Spacecraft	62	92	14:52	Tape Recorder Maintenance
MAR	5	1996		Spacecraft	65	95	21:02	Fail-over to Gyro Mode
MAR	7	1996		Spacecraft	67	97	13:32	FPSS Pitch reference updated to -810 arcsec
MAR	11	1996		Spacecraft	71	101	18:50	COBS patch for ACU Reset Monitoring (via "troubleshoot" function)
MAR	14	1996		Spacecraft	74	104	16:13	ACU Patch 5 uplinked (SEU's are screened by "staircase filter"); name:CSEA003
MAR	15	1996		Spacecraft	75	105	8:00	GOLF Roll Oscillations +/-45 arcsec for 16 hrs (PCPG)
MAR	18	1996		Spacecraft	78	108	21:56	Momentum Management; +2350/-3010/+958
MAR	19	1996		Spacecraft	79	109	16:58	J1 Test - 360 degree roll, steps of 30,45 and 90 degrees
MAR	20	1996		Spacecraft	80	110	16:45	Wheels Test and MMM: -1200/+1000/+3000
MAR	20	1996		Spacecraft	80	110	22:45	Halo Orbit Insertion Manoeuvre (HOI) - Trim
MAR	21	1996		GOLF	81	111	18:18	GOLF commissions redundant channel
MAR	26	1996		VIRGO	86	116	15:46	VIRGO LOI Door opened with COBS Patch
APR	3	1996		Spacecraft	94	124	17:10	J3 - FPSS Trim -10 arcmin North (in 50 min) 20 moves
APR	4	1996		Spacecraft	95	125	12:20	J3 - FPSS Trim - 20 arcmin East (in 55 min) 40 moves
APR	13	1996		Spacecraft	104	134	16:55	Fail-over to Gyro Mode
APR	16	1996		Spacecraft	107	137	23:13	FPSS Pitch Bias set 3.3 arcmin
APR	19	1996		Spacecraft	110	140	19:21	Onboard Time Frequency Adjustment
APR	21	1996		Spacecraft	112	142	17:11	Fail-over to Gyro Mode
APR	24	1996	1996-04-27	MDI	115	145		MDI Continuous Coverage, 3 days until 119/08:30
APR	26	1996		Spacecraft	117	147	15:32	Fail-over to Gyro Mode
MAY	16	1996		Spacecraft	137	167	20:45	Tape Recorder Maintenance
MAY	17	1996		Spacecraft	138	168	22:56	Momentum Management; -2000/+1000/-1000
MAY	20	1996		R	141	171	23:30	Roll 90 degrees for CDS, SUMER (JOP2)
MAY	22	1996		Spacecraft	143	173	19:40	Momentum Management; -800/+1000/-800
MAY	23	1996		Spacecraft	144	174	0:02	SK-1; X-1; (141 sec)
MAY	23	1996	1996-08-26	MDI	144	174		MDI Continuous Coverage, 2 months until 206/04:30
MAY	26	1996		Spacecraft	147	177	18:18	Fail-over to Gyro Mode
JUN	25	1996		Spacecraft	177	207	13:46	Onboard Time Frequency Adjustment
JUN	27	1996		Spacecraft	179	209	18:05	Momentum Management; -1200/+1000/+3000
JUL	24	1996		Spacecraft	206	236	16:52	Fail-over to Gyro Mode
JUL	26	1996		Spacecraft	208	238	19:31	Fail-over to Gyro Mode
JUL	27	1996	1996-08-29	SWAN	209	239	20:39	SWAN powered off until July 29 at 15:01
JUL	30	1996		Spacecraft	212	242	18:41	Fail-over to Gyro Mode
AUG	18	1996	1996-08-22	MDI	231	261		MDI Continuous Coverage, 3 days until 235/03:10
AUG	18	1996	1996-11-29	CELIAS	231	261	19:06	CTOF (CELIAS) power -off untill Nov 29,96
SEP	3	1996		Spacecraft	247	277	17:55	Fail-over to Gyro Mode
SEP	9	1996	1996-09-12	VIRGO	253	283	15:48	VIRGO "safe " mode (low power) untill Sept.12, 19:50
SEP	11	1996		Spacecraft	255	285	19:59	Reaction Wheel 4 maintenance
SEP	11	1996		Spacecraft	255	285	20:42	Momentum Management; -1200/+1000/+3000
SEP	11	1996		Spacecraft	255	285	23:15	SK-2; X-1; (210 sec)
SEP	12	1996		Spacecraft	256	286	15:15	ACU Patch 6 uplinked ("star jump filter"); name: CSEA004
SEP	17	1996	1996-09-20	MDI	261	291		MDI Continuous Coverage, 3 days until 265/01:35
OCT	1	1996		Spacecraft	275	305	15:49	Tape Recorder Maintenance

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OCT	4	1996		Spacecraft	278	308	14:50	Onboard Time Frequency Adjustment
OCT	13	1996		Spacecraft	287	317	2:28	Fail-over to Gyro Mode
OCT	13	1996		Spacecraft	287	317	18:32	Fail-over to Gyro Mode
OCT	17	1996	1996-10-20	MDI	291	321		MDI Continuous Coverage, 3 days until 295/07:30
OCT	20	1996		Spacecraft	294	324	21:26	Fail-over to Gyro Mode
NOV	9	1996		Spacecraft	314	344	21:53	Momentum Management; +1800/+800/+3000
NOV	10	1996		Spacecraft	315	345	15:41	Fail-over to Gyro Mode
NOV	16	1996	1996-11-16	MDI	321	351		MDI Continuous Coverage, 3 days until 325/00:30
NOV	20	1996		Spacecraft	325	355	21:05	FPSS Off-pointing by 10 arcsec Pitch and Yaw
NOV	21	1996		Spacecraft	326	356	16:29	Roll to 45 and 90 degrees
NOV	22	1996		Spacecraft	327	357	7:15	Roll back from 90 to 0 degrees
NOV	22	1996		Spacecraft	327	357	17:07	Momentum Management; +500/+1000/+2500
NOV	30	1996		Spacecraft	335	365	16:22	Fail-over to Gyro Mode
DEC	2	1996		Spacecraft	337	367	15:23	Tape Recorder Maintenance
DEC	4	1996		Spacecraft	339	369	18:30	Telemetry Submode 2 tested for 4 hrs
DEC	5	1996		Spacecraft	340	370	13:00	Telemetry Submode 3 tested for 3 hrs
DEC	15	1996		Spacecraft	350	380		MDI Continuous Coverage, 3 days until 354/01:50

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JAN	14	1997		Spacecraft	14	410	16:39	SK-3; (X 1=16sec, X 2=3.6sec)
JAN	14	1997		Spacecraft	14	410	23:53	Fail-over to Gyro Mode
JAN	15	1997	1997-01-18	MDI	15	411		MDI Continuous Coverage, 3 days (until 018/21:50)
JAN	21	1997		Spacecraft	21	417	21:55	Fail-over to Gyro Mode
JAN	30	1997		Spacecraft	30	426	14:44	SSU staircase threshold for fail-over to gyro: increased from 5 to 30
FEB	1	1997		Spacecraft	32	428	17:30	Tape Recorder Maintenance
FEB	10	1997		Spacecraft	41	437	17:00	Telemetry Submode 5 (new) replaces submode 1
FEB	11	1997		Spacecraft	42	438	17:01	Telemetry Submode 6 (new) tested for 4 hrs
FEB	13	1997	1997-02-16	MDI	44	440		MDI Continuous Coverage, 3 days (until 048/05:30)
FEB	13	1997		Spacecraft	44	440	19:41	SEU counter trace with COBS min/max channels 15,16
FEB	15	1997		Spacecraft	46	442	10:26	Thermal Reconfiguration (CEPAC/ESU hot)
MAR	6	1997		Spacecraft	65	461	9:08	Fail-over to Gyro Mode (2hrs in RMW)
MAR	12	1997		Spacecraft	71	467		MDI Continuous Coverage, 3 days (until 075/04:20)
MAR	18	1997		Spacecraft	77	473	17:50	Wheel 4 maint. & Momentum Mgmt: 2517/-3103/1615 (till 22:40)
MAR	20	1997		Spacecraft	79	475	12:02	Two Rolls for MDI&SWAN; 12 *30 deg.& 4*90 deg. (till 02:33)
MAR	21	1997		Spacecraft	80	476	5:37	HGA points to center of earth, not to station D16 from now on
APR	2	1997		Spacecraft	92	488	17:45	Tape Recorder Maintenance
APR	10	1997		Spacecraft	100	496	10:10	Fail-over to Gyro Mode (6.1 hrs in RMW)
APR	11	1997		Spacecraft	101	497	17:09	Mom. Mgmt. (-501/512/1589)
APR	11	1997		Spacecraft	101	497		SK-4; Delta-V = - 0.19 m/s, burn time 1.5 min, fuel used 0.21 kg; NM at 22:50
APR	13	1997	1997-07-13	MDI	103	499		MDI Continuous Coverage, 3 months (until 195/04:20)
APR	23	1997		Spacecraft	113	509	3:20	Spacecraft Receiver 1 lost lock
APR	28	1997		Spacecraft	118	514	19:51	Spacecraft Receiver 1 lock frequency found @ 2066.86 Mhz
MAY	2	1997		Spacecraft	122	518	14:59	OBT Frequency Adjustment
MAY	19	1997		Spacecraft	139	535		Medoc Campaign #1, run for 3 weeks until June 6,1997
MAY	29	1997		Spacecraft	149	545	9:28	Fail-over to Gyro Mode (3 hrs in RMW)
JUN	1	1997		Spacecraft	152	548	21:00	Tape Recorder Maintenance
JUN	13	1997		Spacecraft	164	560		SSU Staircase Filter changed from 30 to 60 in AOCSS Software
AUG	1	1997		Spacecraft	213	609	16:00	Tape Recorder Maintenance
AUG	1	1997		Spacecraft	213	609	20:26	Fail-over to Gyro Mode (52 min in RMW)
AUG	10	1997	1997-08-13	MDI	222	618		MDI Continuous Coverage, 3 days (until 226/03:50)
SEP	1	1997		Spacecraft	244	640	15:33	Momentum Management preparing for roll; fuel 53 gr.;done 18:36
SEP	2	1997		Spacecraft	245	641	14:50	Fail-over to Gyro Mode (75 min in RMW)
SEP	3	1997	1997-09-04	Spacecraft	246	642	8:32	Roll;dwll: @ 45 deg. 1.5 hrs, @ 90 deg. 12 hrs; done 247/00:09
SEP	3	1997		Spacecraft	246	642	16:06	Fail-over to Gyro Mode (114 min in RMW) during dwell @ 90 deg
SEP	4	1997		Spacecraft	247	643	1:00	Switch to Communications Back-up (TM low rate), recovered: 7:39
SEP	4	1997		Spacecraft	247	643	16:51	Wheel 4 Maintenance & Mom. Mgmt. (-500/500/1600); done 19:00
SEP	4	1997		Spacecraft	247	643	21:49	SK-5; Delta-V = - 1.9 m/s, burn time 15.5 min, fuel used 2 kg; done 00:18
SEP	11	1997	1997-09-14	MDI	254	650		MDI Continuous Coverage, 3 days (until 258/05:20)
SEP	25	1997		Spacecraft	268	664	19:07	Test of new TM submode 3, until 24:00
SEP	26	1997		Spacecraft	268	664	15:10	Test of new TM submode 2, until 19:05
OCT	7	1997	1997-10-11	MDI	280	676		MDI Continuous Coverage, 3 days (until Oct.11, 04:35)
OCT	8	1997		CDS	281	677	13:30	CDS processor swap (to remedy the watch dog triggering)
OCT	13	1997		Spacecraft	286	682	22:14	Fail-over to Gyro Mode (2 hrs in RMW)
OCT	27	1997		Spacecraft	300	696		Medoc Campaign #2, run for 3 weeks until Nov.9,1997
OCT	30	1997		Spacecraft	303	699	15:02	Fail-over to Gyro Mode (50 min in RMW)
NOV	5	1997	1997-11-09	MDI	309	705		MDI Continuous Coverage, until Nov. 9 at 06:00)
NOV	6	1997		Spacecraft	310	706	17:31	Fail-over to Gyro Mode (76 min in RMW) due to X9.4 flare in AR8100
NOV	7	1997		Spacecraft	311	707	0:51	Fail-over to Gyro Mode, 3 times (4 hrs, 41 min total in RMW)
NOV	19	1997	1997-11-20	Spacecraft	323	719	14:40	ESR-2, by off-pointing (ACU power failure), recovered Nov.20 at 15:43
NOV	20	1997		Spacecraft	324	720	10:20	Switch to Communications Back-up (TM low rate), recovered:12:33
NOV	29	1997		Spacecraft	333	729	14:05	Wheel 4 Maint.,Mom. Mgmt. (3000/500/1800)
NOV	29	1997		Spacecraft	333	729	20:45	SK-6, Delta -V = + 0.04 m/s, 15 sec burn, fuel 0.03 kg
DEC	11	1997	1997-12-15	MDI	345	741		MDI Continuous Coverage, (until Dec.15, 07:00)
DEC	15	1997		Spacecraft	349	745	14:45	OBT Frequency Adjustment

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DEC	19	1997		Spacecraft	353	749	18:00	Mom. Mgmt. (3000/500/1800) & SK 07; done 20:38 (result of ESR)
DEC	19	1997		Spacecraft	353	749	20:30	SK-7, Delta -V = - 0.4 m/s, 3min burn, fuel 0.42 kg
				Spacecraft				

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JAN	30	1998		Spacecraft	30	791	1:54	Fail-over to Gyro Mode (2 hours in RMW)
FEB	27	1998		Spacecraft	58	819	23:49	Fail-over to Gyro Mode (1 hr, 42 min in RMW)
MAR	2	1998		Spacecraft	61	822	14:00	New Telemetry Subformat 3 test, ran until Warm Start-up
MAR	3	1998		Spacecraft	62	823	9:02	DHSS Warm Start-Up
MAR	3	1998		Spacecraft	62	823	19:03	ESR-3 by off-pointing
MAR	3	1998	1998-03-04	Spacecraft	62	823	22:53	ESR-4 by roll rate; back to Normal Mode: March 5 at 00:04 UT
MAR	14	1998		Spacecraft	73	834		OBT Frequency Adjustment.
MAR	25	1998	1998-03-26	VIRGO	85	846	2:40	VIRGO "safe" mode (low power) until Mar. 26, @00:00
APR	8	1998		Spacecraft	98	859		OBT Frequency Adjustment.
APR	10	1998		Spacecraft	100	861	11:13	Fail-over to Gyro Mode (2 hrs 26 min in RMW)
APR	17	1998		Spacecraft	107	868	18:52	SK-8, Delta V = 1.4 m/sec, 11 min burn, 1.5kg fuel
APR	20	1998		Spacecraft	110	871	3:58	Fail-over to Gyro Mode (2 hrs in RMW)
MAY	1	1998		Spacecraft	121	882	17:35	Fail-over to Gyro-Mode (1 hr, 20 min in RMW)
MAY	1	1998	1998-05-07	MDI	121	882		MDI Continuous Coverage (until May 7, 21:30 UT)
JUN	11	1998	1998-06-18	MDI	162	923		MDI Continuous Coverage (until June 18, 05:30 UT)
JUN	24	1998		Spacecraft	175	936	23:16	ESR-5 by (false) roll rate
JUN	25	1998		Spacecraft	176	937	2:35	ESR-6 by roll rate
JUN	25	1998		Spacecraft	176	937	4:38	ESR-7 by off-pointing
JUN	25	1998		Spacecraft	176	937	4:43	Loss of Telemetry
JUL	23	1998		Spacecraft	204	965	10:00	RADAR from DSN & Arecibo determine SOHO position and Spin Rate
AUG	3	1998		Spacecraft	215	976	22:51	SOHO Telemetry carrier signal received by DSN
AUG	8	1998		Spacecraft	220	981	23:14	Reception of Telemetry, Batteries charging
AUG	9	1998		Spacecraft	221	982		Payload RTU switched ON
AUG	12	1998		Spacecraft	224	985	23:39	Begin of hydrazine tank thawing
AUG	28	1998		Spacecraft	240	1001	23:02	Completion of hydrazine tank thawing;
AUG	30	1998		Spacecraft	242	1003		Begin of hydrazine lines thawing
SEP	16	1998		Spacecraft	259	1020	5:45	Begin of Attitude Recovery
SEP	16	1998		Spacecraft	259	1020	18:29	ESR-8 (Commanded as part of the recovery)
SEP	16	1998		Spacecraft	259	1020	18:30	SOHO locks onto the sun
SEP	22	1998		Spacecraft	265	1026	19:35	ESR-9 by (false) off-pointing
SEP	22	1998		Spacecraft	265	1026	21:32	DHSS Warm start-up
SEP	23	1998		Spacecraft	266	1027	16:58	Attitude Control in Roll Maneuver Wheels Mode
SEP	25	1998		Spacecraft	268	1029	18:00	SK-9, Delta - V = - 6.21 m/sec, 45.5 min burn, 6.7 kg fuel (in 2 segments)
SEP	25	1998		Spacecraft	268	1029	19:52	Attitude Control in Normal Mode
OCT	1	1998		Spacecraft	274	1035	12:15	SSU Patch, repeated on Oct.2
OCT	4	1998		Spacecraft	277	1038	13:15	Fail-over to Gyro Mode (0.5 hrs in RMW)
OCT	5	1998		SUMER	278	1039	18:20	SUMER power ON post recovery
OCT	6	1998		VIRGO	279	1040	17:53	VIRGO power ON post recovery
OCT	7	1998		Spacecraft	280	1041	18:52	Offset -198 arcsec
OCT	7	1998		Spacecraft	280	1041	13:55	Fail-over to Gyro Mode (0.5 hrs in RMW)
OCT	8	1998		GOLF	281	1042	17:38	GOLF power ON post recovery
OCT	9	1998		CEPAC	282	1043	10:35	CEPAC power ON post recovery
OCT	10	1998		UVCS	283	1044	17:28	UVCS power ON post recovery
OCT	12	1998		MDI	285	1046	19:42	MDI power ON post recovery
OCT	13	1998		LASCO	286	1047	17:22	LASCO power ON post recovery
OCT	12	1998		Spacecraft	286	1047	17:26	Fail-over to Gyro Mode (0.5 hrs in RMW)
OCT	13	1998	1998-14-10	Spacecraft	287	1048	15:46	OSR & FPSS duty cycle to 20%, to zero Oct 14
OCT	16	1998		Spacecraft	289	1050	21:42	Mom. Mgmt. (-666/602/2357) & roll from 53 to 3 deg
OCT	16	1998		Spacecraft	289	1050		SK-10, Delta - V = 2.4 m/sec
OCT	17	1998		Spacecraft	290	1051	8:17	Fail-over to Gyro Mode (1.7 hrs in RMW)
OCT	17	1998		Spacecraft	290	1051	18:52	Fail-over to Gyro Mode (0.4 hrs in RMW)
OCT	17	1998		CDS	290	1051	19:51	CDS power ON post recovery
OCT	17	1998		Spacecraft	290	1051	21:11	Fail-over to Gyro Mode (0.6 hrs in RMW)
OCT	18	1998		SWAN	291	1052	17:23	SWAN power ON post recovery
OCT	19	1998		Spacecraft	292	1053	18:17	Close LV-B

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OCT	23	1998		Spacecraft	296	1057	15:35	X-Panel duty cycle decreased by 20% (TCS2, TCS3)
OCT	24	1998		CELIAS	297	1058	17:59	CELIAS power ON post recovery
NOV	4	1998		Spacecraft	308	1069		Instrument Recommissioning Ends
NOV	12	1998		Spacecraft	316	1077		Instrument Prep. for Leonids Begins
NOV	13	1998		Spacecraft	317	1078	19:46	Mom. Mgmt (-719/911/1173) & SK-11 (2m/sec)
NOV	15	1998		Spacecraft	319	1080	18:30	Roll to -120 degrees (protect for Leonids)
NOV	20	1998		Spacecraft	324	1085		SSU Patch; this time successful
NOV	22	1998		Spacecraft	326	1087		Instrument Recovery from Leonids Ends
DEC	21	1998		Spacecraft	355	1116	17:49	ESR-10 by off-pointing (loss of the last gyro)
DEC	21	1998		Spacecraft	355	1116	23:30	Started with roll rate braking (thruster 5B)
JAN	7	1999		Spacecraft	7	1133	22:40	SK-12 (in ESR), Delta-V = -8.1 m/s, segment 1/2/3/4 = 5/15/28/15 min, fuel 8.6 kg
JAN	8	1999		Spacecraft	8	1134	15:47	Gyro B Test

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JAN	8	1999		Spacecraft	8	1134	19:58	Start reduction of yaw rate
JAN	19	1999		Spacecraft	19	1145	18:30	SK-13 (in ESR), Delta-V = - 8.6 m/s, segment 1/2/3: 20/30/20 min, fuel 9.2 kg
JAN	20	1999		Spacecraft	20	1146		Reaction wheels spinning and wheel 4 maintenance
JAN	26	1999		Spacecraft	26	1152	19:00	SK-14 (in ESR), Delta-V =-3.9m/s ; segment 1/2/3 = 5/21/1 min, fuel 4.27 kg
JAN	28	1999		Spacecraft	28	1154		Flight test of FPSS raw data processing
JAN	29	1999		Spacecraft	29	1155		Preparation of ESR exit maneuver (ACU & SSU patches)
JAN	30	1999		Spacecraft	30	1156		ESR exit maneuver
JAN	30	1999		Spacecraft	30	1156	17:45	In RMW (Roll Angle -63 deg); mom mgt 21:10
JAN	30	1999		Spacecraft	30	1156	22:57	DHS Reconfiguration
FEB	1	1999		Spacecraft	32	1158	19:15	SK-15 (in RMW), Delta-V = +0.32 m/s, segment 1/2 = 10/25 min; fuel: 0.27 kg
FEB	1	1999		Spacecraft	32	1158	22:12	DHS Reconfiguration
FEB	2	1999		Spacecraft	33	1159	16:11	Transition Tests RMW/NM
FEB	2	1999		Spacecraft	33	1159	19:12	Back to Normal Mode
FEB	5	1999		Spacecraft	36	1162	15:59	Tape Recorder Maintenance
FEB	14	1999		Spacecraft	45	1171	13:53	ESR-11 , by off-pointing
FEB	18	1999		Spacecraft	49	1175	18:52	Back to Normal Mode (Roll Angle -120 deg), mom mgt 15:20
MAR	3	1999		Spacecraft	62	1188	16:05	Mom.Mgmt, 4 segments: yaw/roll/pitch/yaw;final speeds: 600/-750/600 rpm
MAR	4	1999		Spacecraft	63	1189	16:18	Roll by 120 degrees to 0.653; roll trim to - 0.109 degrees; 198 arcsec yaw off-set 23:03
MAR	4	1999		Spacecraft	63	1189		Loss of SSU Patch during S/C roll.
MAR	5	1999		Spacecraft	64	1190	17:35	Mom.Mgmt, 3 segments: pitch/yaw/roll;final speeds: 2000/2000/-2000 rpm; 20:05 done
MAR	5	1999		Spacecraft	64	1190	20:30	SK-16, Delta V = -11.87 cm/sec; 4 segments: jets 1/2/4/6: 52/52/2/2 sec on-time
MAR	5	1999		Spacecraft	64	1190	21:30	Mom.Mgmt, 3 segments: roll/yaw/pitch;final speeds: 3000/500/-1700 rpm, 22:30 done
MAR	6	1999		Spacecraft	65	1191	19:25	SSU SEU Flag (Fail-over to no roll control); back to Normal Mode 20:00
MAR	8	1999		Spacecraft	67	1193	16:00	Roll trim by 1645 arcsec (0.45 degrees) for RSL activation at 17:25
MAR	13	1999	1999-06-14	MDI	72	1198		MDI Continuous Coverage, planned until June 14 at 01:50
MAR	15	1999		Spacecraft	74	1200	16:48	Roll trim by 378.86 arcsec (RSL correction)
MAR	18	1999		Spacecraft	77	1203		SSU-A: heater for startracker head switched off
APR	9	1999		Spacecraft	99	1225		RSL preparation on ground changed to skip pixel boundaries
APR	29	1999		Spacecraft	119	1245	19:09	SSU SEU Flag (Fail-over to no roll control); back to Normal Mode 20:26
MAY	10	1999		Spacecraft	130	1256		Medoc Campaign #3, run for 3 weeks until May 31,1999
MAY	11	1999		Spacecraft	131	1257	17:37	Gyro B power off (all 3 gyros are off)
MAY	18	1999		Spacecraft	138	1264	14:00	Mom.Mgmt, 3 segments: roll/pitch/yaw; final speeds: -581/762/1877 rpm; 17:00 done
MAY	20	1999		Spacecraft	140	1266	17:07	SSU SEU Flag (Fail-over to no roll control); back to Normal Mode 18:31
JUN	11	1999		Spacecraft	162	1288	19:49	SSU Staircase Filter changed from 60 to 600 in AOCS Software
JUN	14	1999		Spacecraft	165	1291	13:10	Tape Recorder Maintenance
JUN	17	1999		Spacecraft	168	1294	20:30	SK-17, Delta V = 0.46m/sec; 3 segments: jets 2/3/4: 3.5/155/151 sec on-time
JUN	17	1999		Spacecraft	168	1294	23:00	Mom.Mgmt, 3 segments: roll/yaw/pitch;final speeds: -520/520/1900 rpm, 00:00 done
AUG	27	1999		Spacecraft	239	1365	12:33	SSU SEU Flag (Fail-over to no roll control); back to Normal Mode 12:42
SEP	24	1999		Spacecraft	267	1393		Gyroless Flight Comm.: AOCS Software part 1 upload
SEP	27	1999		Spacecraft	270	1396		Gyroless Flight Comm.: AOCS Software part 2 and COBS upload; test of CRP,RMW,NM
SEP	28	1999		Spacecraft	271	1397		Gyroless Flight Comm.: star swap, P/Y/R profiles in NM, protection functions, Mom mgt
SEP	29	1999		Spacecraft	272	1398	14:55	Gyroless Flight Comm.: P/Y profiles in CRP, 1st part of 360 deg. roll: 8, 10 and 54 deg.
SEP	30	1999		Spacecraft	273	1399	10:30	Gyroless Flight Comm.: final part of 360 deg.roll: 90, 105 and 90 deg.
OCT	1	1999		Spacecraft	274	1400		Gyroless Flight Comm.: SSU patch, profiles P/Y/R in RMW, fallback to CRP & recovery
OCT	2	1999		Spacecraft	275	1401		Gyroless Flight Comm.: Mom.Mgt, RW4 maint., Mom.Mgt, SK-18 (delta V=0.05m/sec)
OCT	4	1999		Spacecraft	277	1403		Gyroless Flight Comm.: test of routine ops (release guide star, RSL uplink, recover star
OCT	6	1999		Spacecraft	279	1405		Medoc Campaign #4, run until Oct.17,1999
OCT	13	1999	1999-10-19	MDI	286	1412		MDI Continuous Coverage, planned until Oct.19 at 12:45 UT
OCT	21	1999		Spacecraft	294	1420		Tape Recorder Maintenance
NOV	8	1999		Spacecraft	312	1438		Instruments Prep. for Leonides begins
NOV	9	1999		Spacecraft	313	1439	20:34	Mom.Mgmt, 3 segments: jets 5/4/1;final speeds: -600/800/1500 rpm, done 21:48
NOV	9	1999	1999-11-16	MDI	313	1439		MDI Continuous Coverage, planned until Nov.16,13:30 UT
NOV	16	1999		Spacecraft	320	1446	17:20	Leonides roll in CRP: -113.42 deg. to position -120.992 deg.; TM in MR; SSR, SSU off
NOV	19	1999		Spacecraft	323	1449	14:39	Leonides roll back in CRP: -114 deg. to position -6.12 deg.; TM in MR; done 18:30
NOV	19	1999		Spacecraft	323	1449	22:16	Mom.Mgmt, 1 segment : jet 4; final speeds: 2106/1439/-2127 rpm, done 23:40

SOHO Events List

Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
NOV	20	1999		Spacecraft	324	1450	0:20	SK-19, Delta V = 6.8 cm/sec; jets 1/2/4/6; 27.9/28.4/1/1.3 sec on-time
NOV	20	1999		Spacecraft	324	1450	1:00	Mom.Mgmt, 2 segm.;jets 1/5; speeds: 2986/511/-1285 rpm, Hx=10.52 Nms; done 1:45
NOV	22	1999		Spacecraft	326	1452		Instruments Recovery from Leonides Ends
NOV	28	1999		Spacecraft	332	1458	11:55	ESR-12 , triggered by ACU Reset Monitoring
NOV	29	1999		Spacecraft	333	1459	18:35	Recovery to CRP, roll angle -125 deg
NOV	30	1999		Spacecraft	334	1460	1:13	Mom.Mgmt, 2 segments : jets 5/2; final speeds: 2021/-2389/1967 rpm, done 15:40
NOV	30	1999		Spacecraft	334	1460	16:20	roll-back by 117.22 deg; to -7.219 deg; done 20:16
DEC	1	1999		Spacecraft	335	1461	15:00	Mom.Mgmt, 3 segments : jets 4/2/5; final speeds: 1750/1750/-1750 rpm, done 16:40
DEC	1	1999		Spacecraft	335	1461	18:00	SK-20, Delta V = 0.364 m/sec; jets 1/2/4/6; 148/151/5/6 sec. on-time
DEC	1	1999		Spacecraft	335	1461	18:09	Guide star loss during station keeping; CRP mode fails to control the roll
DEC	1	1999		Spacecraft	335	1461	18:43	ESR-13 , triggered from ground; no roll control in CRP due to ACU TM buffer overrun
DEC	2	1999		Spacecraft	336	1462	19:42	Recovery to CRP, roll angle -67.67 deg
DEC	8	1999	1999-12-13	MDI	342	1468		MDI Continuous Coverage, planned until Dec.13 at 14:00 UT
DEC	8	1999		Spacecraft	342	1468	15:12	AOCS patch 11 uploaded (preliminary fix of the ACU S/W to clear ACU errors in TM)
DEC	8	1999		Spacecraft	342	1468	16:45	Mom.Mgmt, 3 segments : jets 5/1/3; final speeds: 730/-1615/2485 rpm, done 17:42
DEC	8	1999		Spacecraft	342	1468	19:52	roll-back by 69.0 deg; to -6.565 deg; done 21:32
DEC	9	1999		Spacecraft	343	1469	12:25	Mom.Mgmt, 2 segments : jets 4/2; final speeds: 1624/1622/-1690 rpm, done 13:48
DEC	9	1999		Spacecraft	343	1469	14:05	SK-21, delta v = 0.73 m/s; in 4 segm.; jets 1/2/4/6; final speeds: 1680/1357/-1493 rpm
DEC	9	1999		Spacecraft	343	1469	21:25	Mom.Mgmt, 3 segm.; jets 4/1/5; final rpm's: 2790/609/-1292, done 23:12; Hx=10.1Nms
DEC	10	1999		Spacecraft	344	1470	1:00	Back in Normal Mode
DEC	29	1999		UVCS	363	1489	17:32	UVCS closed door in anticipation of Y2K problems

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Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	7	2000		Spacecraft	7	1498	0:28	ESR-14, triggered by FSPAAD
JAN	10	2000		Spacecraft	10	1501	15:15	roll-back to -6 deg; Mom.Mgmt (19:00 UT), jets 5/1/4, to 1741/-1744/1764 rpm;
JAN	10	2000		Spacecraft	10	1501	20:20	SK-22, 3 segm., jets 1/2/4/6, deltaV=0.52 m/sec
JAN	11	2000		Spacecraft	11	1502	15:10	Mom.Mgmt, jets 2/4, to 2565/867/-1539 rpm; Hx=9.0 Nms
JAN	11	2000		Spacecraft	11	1502	18:54	Normal Mode
JAN	19	2000		Spacecraft	19	1510	11:42	Automatic star swap #1
FEB	8	2000		Spacecraft	39	1530	14:39	Fall-back to CRP, back to Normal Mode 20:11
FEB	10	2000	2000-02-15	MDI	41	1532		MDI Continuous, planned until February 15 at 07:50 UT
MAR	7	2000		Spacecraft	67	1558		Uplink/ flight commissioning of ACU patch 9, patch 10, patch 12, patch 13 (until Mar.9)
MAR	23	2000		Spacecraft	83	1574	15:36	Reaction Wheel 4 maintenance, 21:25; SK-23, jets 1/2/4/6, deltaV=0.23 m/sec
MAR	23	2000		Spacecraft	83	1574	22:30	Mom.Mgmt, 7 burns, final speeds: -517/511/1512 rpm; Hx=7.4 Nms, in NM at 00:50
APR	3	2000	2000-07-11	MDI	94	1585		MDI continuous 3 month contact. First month best effort; prime from May 9-July 11
MAY	1	2000		Spacecraft	122	1613		Medoc Campaign #5; until May 21
JUL	14	2000		Spacecraft	196	1687	10:15	Proton Flare X.5.7 in AR 9077; 24000 particle flux units; UVCS, CDS& CTOFcmd'd to safe status
JUL	14	2000		Spacecraft	196	1687	14:09	3 Starswaps by AOCs due to the flare (at 14:09, 17:21 and 197/10:03)
JUL	18	2000		Spacecraft	200	1691	14:00	Mom.Mgmt, burn 1 jet 5, 30 min, speeds: -1518/1169/2020 rpm;
JUL	18	2000		Spacecraft	200	1691	15:00	SK-24, jets 1,2,4,6; two burns: 74&14 min, delta V: 0.52 & 0.09 m/sec
JUL	18	2000		Spacecraft	200	1691	18:30	Mom.Mgmt, burn 2 jet 4, 18 min, speeds: -903/1284/1237rpm;
JUL	18	2000		Spacecraft	200	1691	19:00	Mom.Mgmt, burn 3 jet 1, 19 min, speeds: -515/530/1614 rpm; overall fuel use: 0.68 kg
AUG	15	2000	2000-08-29	MDI	228	1719		MDI continuous until Aug. 29 at 05:50
AUG	26	2000		Spacecraft	239	1730	1:06	Starswap by AOCs from star 4 (mv 6.6) to star 1
SEP	20	2000	2000-09-26	MDI	264	1755		MDI continuous until Sept.26 at 8:45
OCT	18	2000	2000-10-23	MDI	292	1783		MDI continuous until Oct.23 at 16:00
OCT	27	2000		Spacecraft	301	1792	17:07	Mom.Mgmt, jets 5&4, speeds from: -2483/871/1142 rpm to 2491/1429/-2224 rpm;
OCT	27	2000		Spacecraft	301	1792	19:50	Pros Clear burn: (2523/1407/-2212); SK-25, jets 1,2,4,6; one burn: 82 min, delta V:- 0.566 m/sec
OCT	27	2000		Spacecraft	301	1792	23:05	Mom.Mgmt, jets 3&1; final speeds:2973/530/-1807 rpm, overall fuel use: 0.68 kg
OCT	30	2000		Spacecraft	304	1795		MEDOC Campaign #6, until Nov.13
NOV	9	2000		Spacecraft	314	1805	0:00	Proton Flare, lasted until Nov 10
NOV	29	2000		Spacecraft	334	1825	0:19	ESR-15, due to ACU reset; in CRP @ 10:58; Mom.Mgmt: 3 burns 19:10; start roll 20:58
NOV	30	2000		Spacecraft	335	1826	1:55	roll back (142 deg) done; Mom.Mgmt burn 1: 16:15; SK-26: 17:15; Mom.Mgmt burn 2&3: 18:05
NOV	30	2000		Spacecraft	335	1826	19:21	back to Normal Mode from ESR

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Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	14	2001		Spacecraft	14	1871	21:02	ESR-16, caused by ACU Reset
JAN	16	2001		Spacecraft	16	1873	0:30	roll back from -55 to -5.6 deg., completed 02:20
JAN	16	2001		Spacecraft	16	1873	16:45	Mom.Mgmt burn 1 with jet 4; wheels from 277/-960/1124 to 587/-910/762
JAN	16	2001		Spacecraft	16	1873	17:05	Mom.Mgmt burn 2 with jet 5; wheels go to 854/-921/1029
JAN	16	2001		Spacecraft	16	1873	17:50	SK-27: thrusters 1,2,4, and 6; delta V: 0.154 m/s, fuel:0.168 kg
JAN	16	2001		Spacecraft	16	1873	18:50	Mom.Mgmt burn 1 with jet 3; wheels go from 865/-919/1038 to 390/1049/1644
JAN	16	2001		Spacecraft	16	1873	19:15	Mom.Mgmt burn 2 with jet 2; wheels go to 309/351/991; Hx: 5.04 NMS
JAN	16	2001		Spacecraft	16	1873	20:35	Roll Profile to trim the final roll attitude (- 5.5 degrees); back in Normal Mode @ 20:49
FEB	8	2001		Spacecraft	39	1896	18:26	Offptg. for EIT (arcsec): Yaw: -225,-100,0,68,383,0; Pitch: -225,-100,0,68,383,30,0; done 21:00
FEB	22	2001		Spacecraft	53	1910	17:00	SK -28: delta V: 2 mm/s; fuel 1.8 gram
FEB	22	2001		Spacecraft	53	1910	17:30	Mom.Mgmt; jets 1 & 3, final speeds: -977; 501; 1023 rpm ;
FEB	28	2001	2001-05-31	MDI	59	1916		MDI continuous until May 31 at 1:50
APR	2	2001		Spacecraft	92	1949	21:51	Proton event - X20 flare with elevated proton counts for 6 days
APR	15	2001		Spacecraft	105	1962	14:27	Proton event - X14 flare
APR	18	2001		Spacecraft	108	1965	3:00	Proton event
MAY	14	2001		Spacecraft	134	1991	0:00	Medoc Campaign #7, until May 28
JUN	28	2001		Spacecraft	179	2036	14:10	SK-29: thrusters 2,3,4; delta V: 0.659 m/s, fuel: 0.55 kg; 76 min
JUN	28	2001		Spacecraft	179	2036	15:55	Mom.Mgmt; 3 segments: jets 5,4,1; final speeds: -335/327/1092 rpm
JUL	28	2001		Spacecraft	209	2066	20:16	ESR-17, caused by ACU reset; recovery to CRP 3:20
JUL	29	2001		Spacecraft	210	2067	17:06	roll back (by 158°) from 162° to 4°, completed 22:46
JUL	30	2001		Spacecraft	211	2068	0:14	Mom.Mgmt; 3 segments: jets 3,1,5; final speeds: -522/585/1024 rpm
JUL	31	2001		Spacecraft	212	2069	15:30	SK-30: thrusters 1,2,4, and 6; delta V: 0.185 m/s, fuel: 0.202 kg
AUG	8	2001		Spacecraft	220	2077	19:48	ACU Patch 15 uplinked (fixing RAM corruption by selfcheck); name: CSEA015
AUG	16	2001		Spacecraft	228	2085	0:30	Proton event; intensity dropping fast, so no instrument needed to be saved
AUG	29	2001	2001-09-04	MDI	241	2098		MDI continuous until Sept.4 at 8:32
SEP	24	2001		Spacecraft	267	2124	9:36	CME; X-ray flare (X2.6), peak @ 10:38; energetic particle event @ 12:00, lasting until 269/12:00
OCT	15	2001		Spacecraft	288	2145		Medoc Campaign #8, until Oct.26
OCT	24	2001	2001-10-30	MDI	297	2154		MDI continuous until Oct.30 at 9:25
NOV	3	2001		Spacecraft	307	2164	20:09	Start of X-panel heater switch-down in 10% steps; completed Nov. 19 at 18:51
NOV	4	2001		Spacecraft	308	2165	16:00	proton event, X1 flare at 16:03; CTOF powered off after limit violation until Nov 19 @ 19:17
NOV	7	2001		Spacecraft	311	2168	7:20	SK-31: jets 1,2,4,5; delta V: 0.02 m/s, fuel: 0.02 kg; Mom.Mgmt: 3 segm.; speeds: -487/215/2477
NOV	7	2001		Spacecraft	311	2168	16:20	Mom.Mgmt: 3 segm.; speeds: -487/215/2477
NOV	14	2001		Spacecraft	318	2175	12:00	Science roll: from 6.5° to 330° in 30°steps; back to 270°- overnight stay; back to 6.5° next day
NOV	20	2001		Spacecraft	324	2181	14:45	Tank heating thresholds changed from 18-23° to 20-21°
NOV	22	2001	2001-11-24	Spacecraft	327	2184	21:00	Proton event; M9.9 flare, lasting until Nov.24 @ 13:00; CDS safed Nov.24
DEC	26	2001		Spacecraft	360	2217	5:00	Proton event, went on until 15:00

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Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	15	2002		Spacecraft	15	2237	16:30	SK-32: jets 1,2,4,6; dV: 0.048m/s; fuel 0.053 kg Mom.Mgmt: 3 segm.; speeds: -322/328/1824
FEB	5	2002		Spacecraft	36	2258	2:39	ESR-18 : main bus voltage drop. Probable cause: "Tin Wiskers"
FEB	8	2002		Spacecraft	39	2261	14:00	SK-33: jets 1,2,4,6; dV: 0.26m/s; Mom.Mgmt: 3 segm.; speeds: -1006/629/898; done 17:05
MAR	13	2002		Spacecraft	72	2294	23:06	Both battery1 BDRs configured OFF, since battery 1 lost
MAR	24	2002	2002-06-03	MDI	83	2305		MDI 60-Day Continuous until 05:00 UT, June 3
APR	21	2002		Spacecraft	111	2333	1:30	Proton event - X1 flare
JUN	3	2002		Spacecraft	154	2376	13:30	SK-34: jets 2,3,4,5; dV: 0.87m/s; Mom.Mgmt: 3 segm.; speeds: --404/483/1639 rpm; done 17:01
JUN	19	2002	2002-06-23	MDI	170	2392		MDI 5-Day Continuous until 4:20 June 23
JUN	20	2002		Spacecraft	171	2393	10:07	Kevlar Cutter electronics switched ON (to STBY) to reduce batt2 charge current by 20/40 mA
JUL	17	2002	2002-07-22	MDI	198	2420		MDI 5-Day Continuous until 7:00 July 22
AUG	20	2002		Spacecraft	232	2454	11:00	EIT Off-pointing (in NM&HR); 19 steps; max absolute off-pntg (arcsec): yaw: 720; pitch: 798
AUG	28	2002	2002-09-02	MDI	240	2462		MDI Continuous until 8:30 on September 2
SEP	4	2002		Spacecraft	247	2469	17:00	Tank heating limits changed to 25.5/26.5 °C
SEP	26	2002	2002-09-30	MDI	269	2491		MDI 5-Day Continuous until 17:10 on September 30
OCT	7	2002		Spacecraft	280	2502	20:18	Pros ring heater ON with duty cycle 100%
OCT	10	2002		Spacecraft	283	2505	15:10	SK-35: jets 2,3,4,5; dV: 0.245m/s; Mom.Mgmt: 3 segm.; speeds: --318/386/1168 rpm; done 17:50
OCT	16	2002		Spacecraft	289	2511	13:12	CAE B switched ON to monitor branch B pressure
OCT	21	2002		Spacecraft	294	2516	0:00	Medoc Campaign # 10, until Nov.3
NOV	19	2002		Spacecraft	323	2545		CAE telemetry swap between CAE A and CAE B once a week for branch press.survey

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Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	20	2003	2003-02-16	MDI	20	2607		MDI Best Effort Continuous until February 16
FEB	25	2003		Spacecraft	56	2643	15:00	SK-36: jets 2,3,4,5; dV: 0.623m/s; Mom.Mgmt: 3 segm.
FEB	27	2003	2003-03-03	MDI	58	2645		MDI 5-Day Continuous until 7:55 on March 3
MAR	26	2003	2003-03-31	MDI	85	2672		MDI 5-Day Continuous until 7:25 on March 31
APR	26	2003	2003-04-27	MDI	116	2703		MDI Continuous until 6:30 on Apr.27 (original plan was to start Apr.23)
MAY	5	2003		Spacecraft	125	2712	0:00	Comms Backup triggered by HGA monitoring on antenna Z-axis, Anomaly S3-0017
MAY	14	2003	2003-05-19	GOLF	134	2721	11:10	GOLF switch-off by itself; turned back ON May 19, 2003
MAY	19	2003		Spacecraft	139	2726	0:00	Medoc Campaign # 11, until June 1
MAY	25	2003		Spacecraft	145	2732	8:00	Stop HGA movements after 2003/05/25 08:00 (investigation of HGA anomaly; OCD 1779)
JUN	4	2003		Spacecraft	155	2742	16:25	HGA pattern/pointing test
JUN	11	2003		Spacecraft	162	2749	15:10	SK-37: jets 2,3,4,5; dV: 0.41m/s; Mom.Mgmt: 3 segm.; speeds: --555/402/1417 rpm; done 17:51
JUN	18	2003		Spacecraft	169	2756	15:30	HGA pattern/pointing test
JUN	18	2003	2003-06-23	MDI	169	2756		MDI 5-Day Continuous until 14:45 on June 23
JUN	19	2003		Spacecraft	170	2757	18:05	HGA moves ok with APME-A and APME-B motor currents used in parallel
JUN	25	2003		Spacecraft	176	2763	18:35	SSR Memory Unit 15 switched back ON
JUN	27	2003	2003-07-14	Spacecraft	178	2765		<i>Beginning of June keyhole period</i>
JUL	1	2003		Spacecraft	182	2769	10:00	HR downlink on 34 m station lost as expected (HGA off-point from LOS to earth: 12.75 °)
JUL	8	2003		Spacecraft	189	2776	0:15	ESR-19 caused by FSPAAD
JUL	8	2003		Spacecraft	189	2776	17:40	SK-38: jets 1,2,4,6; dV: -0.12 m/s; Mom.Mgmt: 2 segm.; speeds: 1154/-722/-1982 rpm
JUL	8	2003		Spacecraft	189	2776	13:24	Roll 180 ° to prepare for next HGA "sweet spot" speeds : --2704/722/432. Position = inverted
JUL	14	2003		Spacecraft	195	2782		<i>End of June keyhole period</i>
JUL	14	2003		Spacecraft	195	2782	15:47	Warm start-up due to too tightly spaced mode 3 commands (for APME dual coil commands)
JUL	23	2003	2003-06-28	MDI	204	2791		MDI 5-day continuous til June 28, 14:05
AUG	7	2003		Spacecraft	219	2806	14:25	APME Z axis dual coil command to confirm the exact off-pointing.Off-pointing confirmed. Result is -17.9 degrees
AUG	27	2003	2003-09-01	MDI	239	2826		MDI 5-Day Continuous until September 1
SEP	2	2003		Spacecraft	245	2832	18:10	Test in Low Rate by 26m station.
SEP	10	2003	2003-11-23	MDI	253	2840		MDI 60-Day Continuous until November 23
SEP	23	2003	2003-10-19	Spacecraft	266	2853		<i>Beginning of September keyhole period</i>
SEP	29	2003		Spacecraft	272	2859		Transponder Swap (1->2)
OCT	7	2003		Spacecraft	280	2867	8:45	SK-39: jets 2,3,4; dV : 0.14m/s
OCT	7	2003		Spacecraft	280	2867	9:15	Momentum Management 3 segments. Final speeds --1330/--308/1860 rpm
OCT	7	2003		Spacecraft	280	2867	11:10	180 ° Roll, satellite back to regular position. Final speeds : 1561/312/--1630 rpm
OCT	11	2003		Spacecraft	284	2871		Transponder Swap (2->1)
OCT	19	2003		Spacecraft	292	2879		<i>End of September keyhole period</i>
OCT	20	2003		Spacecraft	293	2880		Increase Ground Limits for QTR26 : FPSS temp going up due to aging
OCT	28	2003		Spacecraft	301	2888		Proton storm (one guide star swap and one star declared ineligible)
NOV	3	2003		Spacecraft	307	2894	20:08	Beginning of Z axis movements for a ten day period as per OCD #1860
NOV	17	2003		Spacecraft	321	2908	0:00	MEDOC Campaign #12, until November 30
NOV	17	2003		Spacecraft	321	2908	6:05	End of Z axis improvement (OCD#1860)
NOV	17	2003		Spacecraft	321	2908	19:30	OCD #1865 Single coil Z axis movement try (post OCD#1860) : failed
DEC	1	2003		Spacecraft	335	2922	20:00	Beginning of Z axis movements for a ten day period as per OCD #1873
DEC	11	2003		Spacecraft	345	2932	19:00	OCD #1875 Single coil Z axis movement try (post OCD#1873) : failed
DEC	18	2003		Spacecraft	352	2939	13:00	OCD#1877 Test to operate SSR and TR simultaneously
DEC	23	2003	2004-01-09	Spacecraft	357	2944		<i>Beginning of December keyhole period</i>
DEC	26	2003		Spacecraft	360	2947		Transponder Swap (1->2)
DEC	30	2003		Spacecraft	364	2951	17:00	SK-40: jets 2,3,4; dV : 0.007349 m/s
DEC	30	2003		Spacecraft	364	2951	17:45	Momentum Management 3 segments. Final speeds 1200/400/--800 rpm
DEC	30	2003		Spacecraft	364	2951	19:00	180 ° Roll, satellite in inverted position. Final speeds : --400/--400/1600 rpm

SOHO Events List

Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	6	2004		Spacecraft	6	2958		Transponder Swap (2->1)
JAN	9	2004		Spacecraft	9	2961		End of December keyhole period
JAN	28	2004	2004-02-02	MDI	28	2980		MDI 5-Day Continuous until February 2
JAN	31	2004		Spacecraft	31	2983	11:20	First day of telemetry outage (2 minutes duration per day) from Madrid D66 station. RFI with MSG after it has been moved from 10 deg west to 3.6 deg west.
FEB	11	2004	2004-02-16	MDI	42	2994		MDI 5-Day Continuous until February 16
FEB	22	2004		Spacecraft	53	3005	14:22	Last day of telemetry outage (2 minutes duration per day) from Madrid D66 station. RFI with MSG.
FEB	23	2004		Spacecraft	54	3006	16:00	GSFC/JPL teleconference about receivers sweep times. Major conclusions: - DSN will do its best to perform only one sweep cycle to lock onto the receivers - SOHO project has agreed that it may take more than one cycle to lock since this longer duration should not harm the spacecraft receivers.
MAR	16	2004	2004-04-07	Spacecraft	76	3028		Beginning of March keyhole period
MAR	19	2004		Spacecraft	79	3031		Transponder Swap (1->2)
MAR	30	2004		Spacecraft	90	3042		SK-41: jets 2,3,4; dV : 0.008567 m/s
MAR	30	2004		Spacecraft	90	3042		Momentum Management 3 segments. Final speeds --1185/--520/2245 rpm
MAR	30	2004		Spacecraft	90	3042		180 ° Roll, satellite back to regular position. Final speeds : 1735/520/--1700 rpm
APR	2	2004	2004-04-03	VIRGO	93	3045		VIRGO switched-off by itself; turned back ON Apr 3, 2004
APR	3	2004		Spacecraft	94	3046		Transponder Swap (2->1)
APR	7	2004		Spacecraft	98	3050		End of March keyhole period
APR	21	2004		Spacecraft	112	3064	5:37	ESR 20 triggered by FSPAAD
APR	22	2004		Spacecraft	113	3065	7:27	ESR 21 triggered by FSPAAD
APR	22	2004		Spacecraft	113	3065	16:12	ESR 22 triggered by FSPAAD
APR	23	2004		Spacecraft	114	3066	23:37	ESR 23 triggered by FPSS Sun Presence monitoring
APR	27	2004		Spacecraft	118	3070	17:05	SK-42: jets 1,2,4,6; dV: 0.7349 m/s
APR	27	2004		Spacecraft	118	3070	19:20	Momentum Management 3 segments. Final speeds: --1275/340/1205 rpm
MAY	24	2004	2004-06-06	MDI	145	3097		MDI 5-Day Continuous until June 6
JUN	3	2004		Spacecraft	155	3107	0:00	MEDOC Campaign #13, until June 17
JUN	16	2004	2004-07-03	Spacecraft	168	3120		Beginning of June keyhole period
JUN	19	2004		Spacecraft	171	3123	18:24	Transponder Swap (1->2)
JUN	22	2004		Spacecraft	174	3126		SK-43: jets 2,3,4; dV : 0.476 m/s
JUN	22	2004		Spacecraft	174	3126		180 ° Roll, satellite in inverted position. Final speeds : 2250/--665/--1085 rpm
JUN	30	2004		Spacecraft	182	3134		Transponder Swap (2->1)
JUL	3	2004		Spacecraft	185	3137		End of June keyhole period
JUL	4	2004	2004-09-05	MDI	186	3138		MDI 60-Day Continuous until September 5
SEP	5	2004		Spacecraft	249	3201	6:34	Spacecraft transitioned to CRP mode due to SSU reset. Tracking windows of two stars became too close to each other leading the SSU software into an endless loop.
SEP	11	2004	2004-10-08	Spacecraft	255	3207		Beginning of September keyhole period
SEP	17	2004		Spacecraft	261	3213		Transponder Swap (1->2)
SEP	21	2004		Spacecraft	265	3217		180 ° Roll, satellite back to regular position. Final speeds : --1285/430/870 rpm
SEP	21	2004		Spacecraft	265	3217		SK-44: jets 1,2,4,6; dV : 0.01516 m/s
SEP	21	2004		Spacecraft	265	3217		Momentum Management 3 segments. Final speeds: --435/395/495 rpm
SEP	21	2004		Spacecraft	265	3217		"Intermittent recording" patch upload
SEP	22	2004		Spacecraft	266	3218		Patch "intermittent recording" test; subset #3
SEP	24	2004		Spacecraft	268	3220		Patch "intermittent recording" activation; subset #6
SEP	29	2004		Spacecraft	273	3225		SSR dump with "intermittent recording" data. Successful session
OCT	1	2004		Spacecraft	275	3227		Transponder Swap (2->1)
OCT	8	2004		Spacecraft	282	3234		End of September keyhole period
OCT	22	2004		Spacecraft	296	3248		First day of telemetry outage from Madrid D66 station. Suspected RFI with P92-3 USAF satellite.
NOV	3	2004	2004-11-07	MDI	308	3260		MDI 5-Day Continuous until November 7
NOV	8	2004		Spacecraft	313	3265		MEDOC Campaign #14, until November 21
NOV	12	2004		Spacecraft	317	3269		Last day of telemetry outage from Madrid D66 station. Suspected RFI with P92-3 USAF satellite. RFI durations of a couple of minutes around 10:45 UT occurred on: Oct 22 & 24; Nov 1,2,3,6,7,10 & 12
DEC	1	2004	2004-12-05	MDI	336	3288		MDI 5-Day Continuous until December 5
DEC	8	2004		Spacecraft	343	3295	21:59	ESR-24 triggered by CSPAAD (false trigger)

SOHO Events List

Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
DEC	9	2004		Spacecraft	344	3296	16:20	--162.346 deg roll + Momentum Management 3 segments as part of the ESR-24 recovery. Final speeds: --600/3400/--1510 rpm
DEC	12	2004	2004-12-30	Spacecraft	347	3299		<i>Beginning of December keyhole period</i>
DEC	16	2004		Spacecraft	351	3303		Transponder Swap (1->2)
DEC	21	2004		Spacecraft	356	3308		SK-45: jets 1,2,4,6; dV: 0.3358 m/s
DEC	21	2004		Spacecraft	356	3308		Momentum Management 3 segments. Final speeds: 1165/455/--835 rpm
DEC	21	2004		Spacecraft	356	3308		180 ° Roll, satellite in inverted position. Final speeds: --380/--455/1615 rpm
DEC	26	2004		Spacecraft	361	3313		Transponder Swap (2->1)
DEC	26	2004		Spacecraft	361	3313	20:00	SSR Memory Unit #11 switched off by itself
DEC	30	2004		Spacecraft	365	3317		<i>End of December keyhole period</i>
				Spacecraft				

SOHO Events List

Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	20	2005		Spacecraft	20	3338		Major flare (18-21 Jan). Led to many anomalies, in particular multiple star swaps on Jan 20.
JAN	24	2005		Spacecraft	24	3342	19:15	SSR Memory Unit #11 switched back ON
FEB	3	2005	2005-02-06	MDI	34	3352		MDI 4-Day Continuous until February 6
FEB	18	2005		Spacecraft	49	3367		FSPAAD state indicated "detected"
MAR	3	2005	2005-03-31	Spacecraft	62	3380		Beginning of March keyhole period
MAR	10	2005		Spacecraft	69	3387		Transponder Swap (1->2)
MAR	22	2005		Spacecraft	81	3399		SK-46: jets 2,3,4; dV: 0.1137 m/s
MAR	22	2005		Spacecraft	81	3399		Momentum Management 3 segments. Final speeds: -974/--400/2272 rpm
MAR	22	2005		Spacecraft	81	3399		180 ° Roll, satellite back to regular position. Final speeds: 1885/400/--1370 rpm
MAR	24	2005		Spacecraft	83	3401		Transponder Swap (2->1)
MAR	31	2005		Spacecraft	90	3408		End of March keyhole period
MAR	31	2005	2005-03-04	MDI	90	3408		MDI 5-Day Continuous until April 4
APR	8 & 9	2005		GOLF	98	3416		GOLF polarizer and quarter wave electronics switched off, substitution heaters (68 & 69) to 30 %
APR	20	2005		Spacecraft	110	3428	14:14-14:	HGA Moved around Z axis by -70 steps (dual coil) to -18.553 deg to eliminate mini-keyholes
APR	27	2005	2005-05-02	MDI	117	3435		MDI 6-Day Continuous until May 2
MAY	16	2005		Spacecraft	136	3454		MEDOC Campaign #15, until June 05
MAY	16	2005		Spacecraft	136	3454	22:27	APME A switched OFF (spurious LCL OFF)
MAY	26	2005		Spacecraft	146	3464	18:58	APME A switched back ON
JUN	2	2005		Spacecraft	153	3471	15:00	HGA moved thru APME A around Y axis by -35 steps to get a fine pulse (whole APME A loop control)
JUN	5	2005	2005-06-25	Spacecraft	156	3474		Beginning of June keyhole period
JUN	9	2005		Spacecraft	160	3478		Transponder Swap (1->2)
JUN	17	2005		Spacecraft	168	3486		SK-47: jets 2,3,4; dV: 0.030 m/s
JUN	17	2005		Spacecraft	168	3486		Momentum Management 3 segments. Final speeds: 610/390/--1000 rpm
JUN	17	2005		Spacecraft	168	3486		180 ° Roll, satellite in inverted position. Final speeds: --615/--385/990 rpm
JUN	17	2005		Spacecraft	168	3486		Upload of SSU Patch 2B (One Word Patch)
JUN	17	2005		Spacecraft	168	3486		Determine exact fine pulse position vs step counter + move antenna (Y axis) to -4.06875 deg (June 20 16:00)
JUN	18	2005		Spacecraft	169	3487	7:54	Star swap from star 1 to star 2
JUN	20	2005		Spacecraft	171	3489		Transponder Swap (2->1)
JUN	25	2005		Spacecraft	176	3494		End of June keyhole period
JUN	25	2005	2005-08-30	MDI	176	3494		MDI 60-Day Continuous period until August 30
JUN	27	2005		Spacecraft	178	3496	04:00-10:	Telemetry and Telecommand test with New Norcia Station
JUL	12	2005		Spacecraft	193	3511	14:30	FPSS-B comparison with FPSS-A (OCD # 2045)
AUG	30	2005	2005-09-30	Spacecraft	242	3560		Beginning of September keyhole period
SEP	1	2005		Spacecraft	244	3562	18:15	Tape Recorder maintenance
SEP	6	2005		Spacecraft	249	3567		Transponder Swap (1->2)
SEP	8	2005		Spacecraft	250	3568		SK-48: jets 2,3,4; dV: 0.089 m/s
SEP	8	2005		Spacecraft	250	3568		Momentum Management 3 segments. Final speeds: --1495/--425/1500 rpm
SEP	8	2005		Spacecraft	250	3568		180 ° Roll, satellite back to regular position. Final speeds: 1080/425/--1910 rpm
SEP	9	2005		Spacecraft	252	3570		Star swap
SEP	22	2005		Spacecraft	265	3583		Transponder Swap (2->1)
SEP	30	2005		Spacecraft	273	3591		End of September keyhole period
OCT	12	2005	2005-10-16	MDI	285	3603		MDI 5-Day Continuous until October 16
OCT	23	2005		Spacecraft	286	3604		Star swap
NOV	9	2005	13/09/2005	MDI	313	3631		MDI 5-Day Continuous until November 13
NOV	11	2005		Spacecraft	315	3633		HGA Y axis movements down from 3/day (@ 00:00, 08:00 and 16:00) to 1/day (@ 00:00) - OCD 2088
DEC	3	2005	2005-12-21	Spacecraft	337	3655		Beginning of December keyhole period
DEC	6	2005		Spacecraft	340	3658		Transponder Swap (1->2)
DEC	14	2005		Spacecraft	348	3666		Upload of SSR patch . Software version has been updated from version 2.02 to version 2.03.0 (SEF/DEF + IT2)
DEC	15	2005		Spacecraft	349	3667		SK-49: jets 2,3,4; dV: 0.076 m/s
DEC	15	2005		Spacecraft	349	3667		Momentum Management 3 segments. Final speeds: 1230/390/--810 rpm
DEC	15	2005		Spacecraft	349	3667		180 ° Roll, satellite in inverted position. Final speeds: --430/--380/1605 rpm
DEC	17	2005		Spacecraft	351	3669		Transponder Swap (2->1)
DEC	21	2005		Spacecraft	355	3673		End of December keyhole period

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Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	5	2006	2006-01-07	MDI	5	3688		MDI 3-Day Continuous until January 07
FEB	3	2006	2006-02-06	MDI	34	3717		MDI 4-Day Continuous until February 06
FEB	3	2006		Spacecraft	34	3717		SSR Program Memory Cleanup (OCD 2104)
FEB	22	2006	2006-03-22	Spacecraft	53	3736		Beginning of "March" keyhole period
FEB	28	2006		Spacecraft	59	3742		Transponder Swap (1->2)
MAR	7	2006		Spacecraft	66	3749		SK-50: jets 2,3,4; dV: 0.0155 m/s
MAR	7	2006		Spacecraft	66	3749		Momentum Management 3 segments. Final speeds: --997/--403/2287 rpm
MAR	13	2006		Spacecraft	72	3755		180 ° Roll, satellite back to regular position. Final speeds: 1925/395/--1445 rpm
MAR	16	2006		Spacecraft	75	3758		Transponder Swap (2->1)
MAR	22	2006		Spacecraft	81	3764		End of March keyhole period
MAR	22	2006	2006-05-21	MDI	81	3764		MDI 60-Day Continuous period until May 21
MAR	23	2006		Spacecraft	82	3765		MEDOC Campaign #16, until April 02
MAR	27	2006		Spacecraft	86	3769		Investigations using oversampling facility begin (OCD 2120)
APR	29	2006		Spacecraft	119	3802	11:42	SSR Memory Units 0 to F switched off by themselves
MAY	4	2006		Spacecraft	124	3807		SSR Memory Units 0 to F switched back ON (OCD 2126)
MAY	27	2006	2006-06-15	Spacecraft	147	3830		Beginning of "June" keyhole period
MAY	31	2006		Spacecraft	151	3834		Transponder Swap (1->2)
JUN	2	2006		Spacecraft	153	3836		Tank and branch B PROS pressures equalization (OCD 2130)
JUN	6	2006		Spacecraft	157	3840		SK-51: jets 2,3,4; dV: 0.1042 m/s
JUN	6	2006		Spacecraft	157	3840		Momentum Management 3 segments. Final speeds: 705/370/--770 rpm
JUN	6	2006		Spacecraft	157	3840		180 ° Roll, satellite in inverted position. Final speeds: --405/--370/1070 rpm
JUN	6	2006		Spacecraft	157	3840		Back to SSU Patch 2A + Change magnitude check limit (OCD 2129)
JUN	8	2006		Spacecraft	159	3842		HGA moved to end of keyhole position
JUN	11	2006		Spacecraft	162	3845		Transponder Swap (2->1)
JUN	15	2006		Spacecraft	166	3849		End of June keyhole period
JUL	12	2006	2006-07-15	MDI	193	3876		MDI 4-Day Continuous until July 15
JUL	24	2006		Spacecraft	205	3888		Switched MDI TM/TC to redundant side after anomaly S06-0045
AUG	21	2006	2006-09-20	Spacecraft	233	3916		Beginning of "September" keyhole period
AUG	28	2006		Spacecraft	240	3923		Transponder Swap (1->2)
SEP	6	2006		Spacecraft	249	3932		SK-52: jets 1,2,4,6; dV: -0.1688 m/s
SEP	6	2006		Spacecraft	249	3932		Momentum Management 3 segments. Final speeds: --1505/--395/1695 rpm
SEP	11	2006		Spacecraft	254	3937		180 ° Roll, satellite back to regular position. Final speeds: 1315/415/--1935 rpm
SEP	11	2006		Spacecraft	254	3937		HGA moved to end of keyhole position
SEP	13	2006		Spacecraft	256	3939		Transponder Swap (2->1)
SEP	20	2006		Spacecraft	263	3946		End of September keyhole period
OCT	12	2006	2006-10-15	MDI	285	3968		MDI 4-Day Continuous until October 15
NOV	10	2006	2006-11-13	MDI	314	3997		MDI 4-Day Continuous until November 13
NOV	24	2006	2006-12-11	Spacecraft	328	4011		Beginning of "December" keyhole period
NOV	27	2006		Spacecraft	331	4014		Transponder Swap (1->2)
DEC	5	2006		Spacecraft	339	4022		SK-53: jets 1,2,4,6; dV: -0.0967 m/s
DEC	5	2006		Spacecraft	339	4022		Momentum Management 3 segments. Final speeds: 1200/400/--805 rpm
DEC	5	2006		Spacecraft	339	4022		180 ° Roll, satellite in inverted position. Final speeds: --410/--395/1585 rpm
DEC	7	2006		Spacecraft	341	4024		HGA moved to end of keyhole position
DEC	8	2006		Spacecraft	342	4025		Transponder Swap (2->1)
DEC	11	2006		Spacecraft	345	4028		End of December keyhole period

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Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	6	2007	2007-01-08	MDI	6	4054		MDI 3-Day Continuous until January 08
JAN	27	2007		SUMER	27	4075		SUMER redundant LCL spuriously switched ON. As corrective action, all instruments LCL's switched OFF
FEB	1	2007	2007-02-05	MDI	32	4080		MDI 5-Day Continuous until February 05
FEB	13	2007	2007-03-12	Spacecraft	44	4092		Beginning of "February/March" keyhole period
FEB	19	2007		Spacecraft	50	4098		Transponder Swap (1->2)
FEB	27	2007		Spacecraft	58	4106		SK-54: jets 2,3,4; dV: 0.123 m/s
FEB	27	2007		Spacecraft	58	4106		Momentum Management 3 segments. Final speeds: --980/--405/2270 rpm
MAR	5	2007		Spacecraft	64	4112		180 ° Roll, satellite in normal position. Final speeds: 1910/410/-1430 rpm
MAR	5	2007		Spacecraft	64	4112		HGA moved to end of keyhole position
MAR	6	2007		Spacecraft	65	4113		Transponder Swap (2->1)
MAR	12	2007		Spacecraft	71	4119		End of "February/March" keyhole period
MAR	28	2007		Spacecraft	87	4135		OCD 2229 executed: Existing macro space compacted in preparation for the TCM-in-Macros patch
MAR	29	2007		Spacecraft	88	4136		OCD 2225 executed: ACU mapping data cleared before a star mapping
MAR	30	2007	2007-04-02	MDI	89	4137		MDI 4-Day Continuous until April 2
APR	16	2007		Spacecraft	106	4154		MEDOC Campaign #17, until April 22
APR	17	2007		Spacecraft	107	4155		OCD 2232 executed: Upload of COBS Patches for Automated Operations (TCM in Macros and RW Speed Limits Updating)
APR	26	2007	2007-04-29	MDI	116	4164		MDI 4-Day Continuous until April 29
MAY	15	2007		Spacecraft	135	4183		Upload of new standard monitorings 30-32 and associated macros 15-17 for automation (TCM in macros)
MAY	18	2007	2007-06-06	Spacecraft	138	4186		Beginning of "May/June" keyhole period
MAY	21	2007		Spacecraft	141	4189		Transponder Swap (1->2)
MAY	29	2007		Spacecraft	149	4197		SK-55: jets 1,2,4,6; dV: -0.058 m/s
MAY	29	2007		Spacecraft	149	4197		Momentum Management 3 segments. Final speeds: 680/390/--775 rpm
MAY	29	2007		Spacecraft	149	4197		180 ° Roll, satellite in inverted position. Final speeds: --400/--375/1060 rpm
MAY	31	2007		Spacecraft	151	4199		HGA moved to end of keyhole position
JUN	1	2007		Spacecraft	152	4200		Transponder Swap (2->1)
JUN	6	2007		Spacecraft	157	4205		End of "May/June" keyhole period
JUL	19	2007	2007-07-23	MDI	200	4248		MDI 4-Day Continuous until July 23
AUG	11	2007	2007-09-09	Spacecraft	223	4271		Beginning of "Aug/Sep" keyhole period
AUG	18	2007		Spacecraft	230	4278		Transponder Swap (1->2)
AUG	30	2007		Spacecraft	242	4290		SK-56: jets 1,2,3,6; dV -0.195 m/s
AUG	30	2007		Spacecraft	242	4290		Momentum Management 3 segments. Final speeds: --1454/--497/1726 rpm
AUG	31	2007		Spacecraft	243	4291		180 ° Roll, satellite in normal position. Final speeds: 1234/505/--1954
SEP	3	2007		Spacecraft	246	4294		Transponder Swap (2->1)
SEP	4	2007		Spacecraft	247	4295		Power cycle APME-A
SEP	9	2007		Spacecraft	253	4301		End of "Aug/Sep" keyhole period
OCT	26	2007	2007-10-28	MDI	299	4347		MDI 3-day Continuous until Oct 28
NOV	15	2007	2007-12-02	Spacecraft	319	4367		Beginning of "November" keyhole period
NOV	18	2007		Spacecraft	322	4370		Transponder Swap (1->2)
NOV	20	2007		Spacecraft	324	4372		180 ° Roll, satellite in inverted position. Final speeds: -1045/-560/840 rpm. HGA moved to end of keyhole position.
NOV	27	2007		Spacecraft	331	4379		SK-57: jets 2,3,4; dV: 0.045 m/s. Momentum management 3 segments. Final speeds: -360/-410/1595
NOV	29	2007		Spacecraft	333	4381		Transponder Swap (2->1)
DEC	2	2007		Spacecraft	336	4384		End of "November" keyhole period
DEC	3	2007	2008-02-03	MDI	337	4385		MDI 60-day Continuous until Feb 3 2008
DEC	9	2007		SWAN	343	4391	6:31	SWAN LCL switched off, Experiment LCL monitoring triggered at 06:34
DEC	17	2007		Spacecraft	351	4399		FPSS Standard Monitoring channels 20, 21 changed to filter value 6 and trigger macro 14 (ESR)

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Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	24	2008		Spacecraft	24	4437		Tank and branch B PROS pressures equalization (OCD 2130 repeated)
FEB	3	2008		Spacecraft	34	4447		End of MDI 60-day continuous campaign
FEB	4	2008	2008-03-02	Spacecraft	35	4448		Beginning of "February" keyhole period
FEB	11	2008		Spacecraft	42	4455		Transponder Swap (1->2)
FEB	19	2008		Spacecraft	50	4463		SK-58: jets 2,3,4; dV: 0.096 m/s.
FEB	22	2008		Spacecraft	53	4466		Momentum management 3 segments (jets 5,2,3). 180° Roll, satellite in normal position. Final wheels speeds: 1906/400/-1397
FEB	25	2008		Spacecraft	56	4469		Transponder Swap (2->1)
MAR	2	2008		Spacecraft	62	4475		End of "February" keyhole period
MAR	3	2008	2008-05-04	MDI	63	4476		MDI 60-day continuous until May 4 2008
APR	9	2008		Spacecraft	100	4513		Add new COBS macro (OCD2311) for SSR almost full
MAY	7	2008	2008-05-25	Spacecraft	128	4541		Beginning of "May" keyhole period
MAY	10	2008		Spacecraft	131	4544		Transponder Swap (1->2)
MAY	19	2008		Spacecraft	140	4553	15:55	SK-59: jets 1,2,4,6; dV -0.08 m/s
MAY	19	2008		Spacecraft	140	4553		Momentum management 3 segments (jets 3,5,1). 180° Roll, satellite in inverted position. Final wheels speeds: -440/-315/1070. Start using "extended HGA table" (covers the whole period between two Key Holes).
MAY	22	2008		Spacecraft	143	4556		Transponder Swap (2->1). TC Watchdog set to 48 hours (as per UB55).
MAY	25	2008		Spacecraft	145	4558		End of "May" keyhole period
JUN	23	2008		SUMER	175	4588		SUMER campaign until July 3
JUL	2	2008		Spacecraft	184	4597		Correction of COBS Scheduler bug
JUL	9	2008	2008-07-13	MDI	191	4604		MDI 4-day continuous until July 13
AUG	1	2008	2008-08-30	Spacecraft	212	4625		Beginning of "August" keyhole period
AUG	7	2008		Spacecraft	220	4633		Transponder Swap (1->2)
AUG	21	2008		Spacecraft	234	4647	15:05	SK-60: jets 2,3,4; dV +0.065 m/s
AUG	21	2008		Spacecraft	234	4647	16:00	Momentum management 2 segments (jets 3,5). 180° Roll, satellite back in normal position. Final wheels speeds: 1260/415/-1905.
AUG	23	2008		Spacecraft	236	4649		Transponder Swap (2->1)
AUG	30	2008		Spacecraft	243	4656		End of "August" keyhole period
SEP	20	2008		SUMER	264	4677		SUMER campaign until Oct 6
SEP	26	2008	2008-09-29	MDI	270	4683		MDI 4-day continuous until Sept 29
OCT	16	2008	2008-10-19	MDI	290	4703		MDI 4-day continuous until Oct 19
NOV	5	2008	2008-11-22	Spacecraft	310	4723		Beginning of "November" keyhole period
NOV	8	2008		Spacecraft	313	4726		Transponder Swap (1->2)
NOV	18	2008		Spacecraft	323	4736	11:50	SK-61: jets 2,3,4; dV +0.054 m/s.
NOV	18	2008		Spacecraft	323	4736	12:35	Momentum management 3 segments (jets 5,4,1). 180° Roll, satellite in inverted position. Final wheels speeds: -425/-404/1600.
NOV	19	2008		Spacecraft	324	4737		Transponder Swap (2->1)
NOV	22	2008		Spacecraft	328	4741		End of "November" keyhole period
DEC	9	2008		Spacecraft	344	4757	14:57	PLM heaters reduction (upper panels and SSU-B, -15.7W)
DEC	12	2008	2008-12-15	MDI	344	4757		MDI 4-day continuous until Dec 15

SOHO Events List

Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	9	2009		GOLF	9	4788		GOLF electronics substitution heater switched OFF (circuit 69)
JAN	25	2009	2009-02-21	Spacecraft	25	4804		Beginning of keyhole period
JAN	31	2009		Spacecraft	31	4810		Transponder Swap (1->2)
FEB	12	2009		Spacecraft	43	4822	17:50	SK-62: jets 2,3,4; dV +0.036 m/s
FEB	12	2009		Spacecraft	43	4822	18:35	Momentum management 3 segments (jets 2,5,4).
FEB	14	2009		Spacecraft	45	4824	18:23	180° Roll, satellite in normal position. Final wheels speeds: 1875/420/-1430
FEB	15	2009		Spacecraft	46	4825		Transponder Swap (2->1)
FEB	21	2009		Spacecraft	52	4831		End of "February" keyhole period
MAR	3	2009	2009-03-11	Spacecraft	62	4841		SVM heaters reduction (battery 1 and gyros boxes)
MAR	28	2009	2009-03-30	Spacecraft	87	4866		MDI 3-day continuous until Mar 30
APR	15	2009	2009-04-29	SUMER	105	4884		SUMER campaign until Apr 29
APR	28	2009	2009-05-16	Spacecraft	118	4897		Beginning of keyhole period
MAY	1	2009		Spacecraft	121	4900	17:20	Transponder Swap (1->2)
MAY	12	2009		Spacecraft	132	4911	15:20	SK-63: jets 2,3,4; dV +0.028 m/s.
MAY	12	2009		Spacecraft	132	4911	15:55	Momentum management 3 segments (jets 3, 5, 1).
MAY	12	2009		Spacecraft	132	4911	17:23	180° Roll, satellite in inverted position. Final wheels speeds: -400/-410/1085
MAY	13	2009		Spacecraft	133	4912		Transponder Swap (2->1)
MAY	16	2009		Spacecraft	136	4915		End of keyhole period
MAY	18	2009	2009-07-20	MDI	138	4917		MDI 60-day continuous campaign until July 20
JUN	3	2009	2009-06-17	SUMER	157	4936		SUMER test and campaign until June 17
JUL	12	2009		Spacecraft	193	4972	4:13	ESR-25 triggered by CSPAAD (false trigger)
JUL	14	2009		Spacecraft	195	4974	15:35	Momentum management 3 segments (jets 3,2,5).
JUL	19	2009		Spacecraft	200	4979	14:00	SK-64: jets 1,2,4,6; dV -0.294 m/s.
JUL	22	2009		Spacecraft	203	4982		Beginning of keyhole period
JUL	28	2009		Spacecraft	209	4988		Transponder Swap (1->2)
AUG	11	2009		Spacecraft	223	5002	15:25	SK-65: jets 3,4; dV 0.0047 m/s.
AUG	11	2009		Spacecraft	223	5002	15:37	Momentum management 3 segments (jets 5,2,3).
AUG	13	2009		Spacecraft	225	5004	14:44	180° Roll, satellite in normal position. Final wheels speeds: 1295/405/-1920
AUG	14	2009		Spacecraft	226	5005	13:25	Transponder Swap (2->1)
AUG	14	2009		Spacecraft	226	5005	13:56	HGA Z-axis moved +197 steps (dual coil) to -16.7 degrees to reduce Keyhole (old 26m stations not used anymore)
AUG	16	2009		Spacecraft	232	5011		End of keyhole period for D27
SEP	25	2009	2009-09-27	MDI	268	5047		MDI 3-day continuous campaign until Sept 27
OCT	22	2009		Spacecraft	295	5074	13:00	ACU SW patch 16 uploaded. Tank and RWL heaters in mode 2.
OCT	26	2009	2009-10-26	Spacecraft	299	5078	14:43	Science ROLL maneuver (360 degrees)
OCT	30	2009		Spacecraft	303	5082	2:00	Beginning of keyhole period for D27
NOV	1	2009		Spacecraft	305	5084		Transponder Swap (1->2)
NOV	5	2009		Spacecraft	309	5088	14:15	PLM heaters tuning (overall reduction of 7.6W)
NOV	7	2009		Spacecraft	311	5090		SK-66: jets 2,3,4; dV +0.038m/s.
NOV	7	2009		Spacecraft	311	5090		Momentum management 3 segments (jets 5,4,1).
NOV	7	2009		Spacecraft	311	5090		180° Roll, satellite in inverted position. Final wheels speeds: -430/-390/1620
NOV	7	2009		Spacecraft	311	5090		Transponder Swap (2->1)
NOV	10	2009		Spacecraft	314	5093	10:00	End of keyhole period for D27
DEC	10	2009	2009-12-13	MDI	344	5123		MDI 3-day continuous campaign until Dec 13

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Month	Day	Year	1995-12-02	Affected	Day of Year	Flight Day	Time (UTC)	Event
JAN	21	2010		Spacecraft	22	5166		<i>Beginning of keyhole period for D27</i>
JAN	22	2010		Spacecraft	22	5166	7:49	SSR Memory Unit 9 switched OFF by itself
JAN	23	2010		Spacecraft	23	5167	20:32	SSR Memory Unit 9 switched back ON
JAN	25	2010		Spacecraft	25	5169		Transponder Swap (1->2)
FEB	3	2010		Spacecraft	34	5178		SK-67: jets 1,2,4,6 ; dV -0.023m/s.
FEB	3	2010		Spacecraft	34	5178		Momentum management 3 segments (jets 5, 2 and 4).
FEB	3	2010		Spacecraft	34	5178		180° Roll, satellite in normal position. Final wheels speeds: 2000/410/-1385
FEB	3	2010		Spacecraft	34	5178		Transponder Swap (2->1)
FEB	7	2010		Spacecraft	38	5182		<i>End of keyhole period for D27</i>
MAR	25	2010	2010-03-27	MDI	84	5228		MDI 3-day continuous campaign until March 27
APR	22	2010		Spacecraft	112	5256		<i>Beginning of keyhole period for D27</i>
APR	24	2010		Spacecraft	114	5258		Transponder Swap (1->2)
APR	30	2010		Spacecraft	120	5264	15:45	SK-68: jets 1,2 ; dV -0.023 m/s.
APR	30	2010		Spacecraft	120	5264	16:15	Momentum management 3 segments (jets 3, 5 and 1).
APR	30	2010		Spacecraft	120	5264	17:32	180° Roll, satellite in inverted position. Final wheels speeds: -500/-490/1375 rpm
APR	30	2010		Spacecraft	120	5264		Transponder Swap (2->1)
MAY	3	2010		Spacecraft	123	5267		<i>End of keyhole period for D27</i>
MAY	4	2010	2010-07-17	Spacecraft	124	5268		MDI 2-month continuous campaign until July 17
JUN	18	2010	2010-06-29	SUMER	169	5313		SUMER campaign until June 29
JUL	19	2010		Spacecraft	200	5344		<i>Beginning of keyhole period for D27</i>
JUL	21	2010		Spacecraft	202	5346		Transponder Swap (1->2)
JUL	29	2010		Spacecraft	210	5354	15:15	SK-69: jets 1,2 ; dV -0.041 m/s
JUL	29	2010		Spacecraft	210	5354	15:50	Momentum Management 3 segments (jets 5, 1 and 4)
AUG	2	2010		Spacecraft	214	5358	14:28	180° Roll, satellite in normal position. Final wheels speeds: 1310/395/-1942 rpm
AUG	2	2010		Spacecraft	214	5358	16:25	Transponder Swap (2->1)
AUG	5	2010		Spacecraft	217	5361		<i>End of keyhole period for D27</i>
AUG	20	2010		Spacecraft	232	5376	13:55	ESR-26 triggered by CSPAAD (false trigger)
AUG	21	2010		Spacecraft	233	5377	14:35	Momentum Management 3 segments (jets 2, 3 and 6)
AUG	21	2010		Spacecraft	233	5377	20:17	142-degree Roll to put spacecraft to normal position (2.25 degrees). Wheels at 1380/305/-1950 rpm
AUG	27	2010		Spacecraft	239	5383	15:00	SK-70: jets 1,2 ; dV -0.185 m/s (as aborted after 27 minutes) . Wheels at 1372/110/-1846 rpm
AUG	27	2010		Spacecraft	239	5383	16:25	Momentum Management 3 segments (jets 2, 5 and 4)
SEP	17	2010		Spacecraft	260	5404	14:45	SK-71: jets 1,2 ; dV -0.082 m/s. Wheels at 937/647/-1968 rpm
OCT	20	2010		Spacecraft	293	5437		<i>Beginning of keyhole period for D27</i>
OCT	22	2010		Spacecraft	295	5439		Transponder Swap (1->2)
OCT	29	2010		Spacecraft	302	5446	16:30	Momentum Management 3 segments (jets 5, 3 and 1)
OCT	29	2010		Spacecraft	302	5446	17:30	PLM heaters reduction (-12.5W per OCD2479)
OCT	29	2010		Spacecraft	302	5446	17:57	185.6-degree Roll to put spacecraft to inverted position (180 degrees). Beginning of BOGART phase Wheels at -504/-194/1492 rpm
OCT	29	2010		Spacecraft	302	5446	21:00	Transponder Swap (2->1)
NOV	1	2010		Spacecraft	305	5449		<i>End of keyhole period for D27</i>
NOV	9	2010		Spacecraft	313	5457	17:25	COBS patch to increase number of standard monitoring channels uploaded and tested

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JAN	6	2011	2011-01-06	VIRGO	7	5516	20:50	VIRGO switched ON on B-side (was OFF since Jan 2 at ~4UT)
JAN	12	2011	2011-01-12	Spacecraft	12	5521		Beginning of keyhole period for D27
JAN	14	2011		Spacecraft	14	5523		Transponder Swap (1->2)
JAN	19	2011		Spacecraft	19	5528	10:45	SK-72: jets 1,2 ; dV -0.011m/s. Wheels at -1235 / -522 / 2182 rpm
JAN	19	2011		Spacecraft	19	5528	11:20	Momentum Management 3 segments (jets 5A, 4A and 2A)
JAN	25	2011		Spacecraft	25	5534	10:58	180° Roll, satellite in normal position. Final wheels speeds: 1850/ 477 / -1610 rpm
JAN	25	2011		Spacecraft	25	5534		ACU SW patch 16 Version 2 uploaded
JAN	25	2011		Spacecraft	25	5534		Transponder Swap (2->1)
JAN	30	2011		Spacecraft	30	5539		End of keyhole period for D27
MAR	23	2011		CELIAS	82	5591		CELIAS switched OFF and later on turned back ON with CTOF kept OFF
APR	12	2011		Spacecraft	102	5611		Beginning of keyhole period for D27
APR	15	2011		Spacecraft	105	5614		Transponder Swap (1->2)
APR	22	2011		Spacecraft	112	5621	11:00	SK-73: jets 1,2 ; dV -0.092m/s. Wheels at 244 / 810 / -1716 rpm
APR	22	2011		Spacecraft	112	5621	11:35	Momentum Management 3 segments (jets 5A, 1A and 3A)
APR	22	2011		Spacecraft	112	5621	13:04	180° Roll, satellite in normal position. Final wheels speeds: -493/ -510 / 1394 rpm
APR	22	2011		Spacecraft	112	5621	13:10	CTOF substitution heater (circuit 64) reduced from 80% to 60%
APR	22	2011		Spacecraft	112	5621		ACU SW patch 17 uploaded
APR	22	2011		Spacecraft	112	5621		Transponder Swap (2->1)
APR	24	2011		Spacecraft	114	5623		End of keyhole period for D27
JUN	30	2011	2011-07-08	SUMER	181	5690	12:30	SUMER campaign
JUL	9	2011		Spacecraft	190	5699		Beginning of keyhole period for D27
JUL	12	2011		Spacecraft	193	5702	17:35	Transponder Swap (1->2)
JUL	19	2011		Spacecraft	200	5709	15:30	SK-74: jets 3,4 ; dV 0.010m/s. Wheels at -1482 / -423 / 1631 rpm
JUL	19	2011		Spacecraft	200	5709		Momentum Management 3 segments (jets 5A, 4A and 1A). Final wheels speeds: -1306 / -509 / 1727 rpm
JUL	22	2011		Spacecraft	203	5712	15:08	180° Roll, satellite in normal position. Final wheels speeds: 1243 / 500 / -1833 rpm
JUL	23	2011		Spacecraft	204	5713	11:20	Transponder Swap (2->1)
JUL	27	2011		Spacecraft	208	5717		End of keyhole period for D27
OCT	11	2011		Spacecraft	284	5793		Beginning of keyhole period for D27
OCT	13	2011		Spacecraft	287	5796	20:25	Transponder Swap (1->2)
OCT	20	2011		Spacecraft	293	5802		SK-75: jets 3,4 ; dV 0.037m/s. Wheels at 290/ 330/ -1270 rpm
OCT	20	2011		Spacecraft	293	5802		Momentum Management 3 segments (jets 5A, 4A and 2A). Final wheels speeds: 1210 / 400 / -810 rpm
OCT	20	2011		Spacecraft	293	5802	18:23	180° Roll (4 segments), satellite in 180-degree position. Final wheels speeds: -410 / -400 / 1600 rpm
OCT	20	2011		Spacecraft	293	5802	21:50	Transponder Swap (2->1)
OCT	22	2011		Spacecraft	295	5804		End of keyhole period for D27
NOV	30	2011		Spacecraft	334	5843	16:04	PLM thermal reconfiguration caused by CEPAC getting too hot (QTH11A at 53°C)
DEC	1	2011		Spacecraft	335	5844	12:02	PLM RTU and PDU switched back to nominal side
DEC	7	2011		Spacecraft	341	5850	15:14	CEPAC switched back ON with ESU kept OFF

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JAN	3	2012		Spacecraft	3	5877		<i>Beginning of keyhole period for D27</i>
JAN	5	2012		CEPAC	5	5879		CEPAC ESU switched ON (with new COBS monitorings of HIPWA and QTH11A)
JAN	6	2012		Spacecraft	6	5880	21:40	Transponder Swap (1->2)
JAN	13	2012		Spacecraft	13	5887	17:25	SK-76: jets 1,2 ; dV -0.007m/s. Wheels at -1435/ -642/ 2004 rpm
JAN	13	2012		Spacecraft	13	5887	18:05	Momentum Management 3 segments (jets 5A, 4A and 2A). Final wheels speeds: -976 / -380 / 2270 rpm
JAN	17	2012		Spacecraft	17	5891	17:49	180° Roll, satellite in 0-degree position. Final wheels speeds: 1914 / 409 / -1407 rpm
JAN	17	2012		Spacecraft	17	5891	20:50	Transponder Swap (2->1)
JAN	20	2012		Spacecraft	20	5894		<i>End of keyhole period for D27</i>