

Timeline revs 1-6 issue 3 ver 2

REV #2

UT	ACTIVITY DURATION	TIME FROM PERIGEE	EVENT/ACTIVITY	TEAM	GS	FD/PG	FCP Reference / Notes	PST	BCP Pnt Nr
2002-10-19 23:58:04		P1 + 0:00:00	Perigee passage, start of revolution 2	B					
2002-10-19 23:58:04	0:05:53	P1 + 0:00:00		B					
2002-10-20 00:03:57	0:00:00	P1 + 0:05:53	Eclipse End	B					
2002-10-20 00:03:57	0:38:43	P1 + 0:05:53		B					
2002-10-20 00:42:40	0:22:20	P1 + 0:44:36	AOS Redu, AOS checks: > AOS TM 00:42:40 > AOS TC 00:48:49	B	R	IREM to check recorded TM	FCP_SYS_1100 AOS_CHK operations		
2002-10-20 01:05:00	0:10:00	P1 + 1:06:56	Check the correct execution of TT commands at eclipse exit.	B	R	OMC PI to monitor the decrease of CCD temperature.	The OMC Baking heater is not switched on again after the eclipse, since the requested 2 days of decontamination have already elapsed.		
2002-10-20 01:15:00	0:30:00	P1 + 1:16:56	Instrument Periphery post-eclipse re-activations : > disable SECL > switch on JEMX1&2 DFEE > switch on IBIS VEB, PEB, IEB, MCEs, (PDMs stay off) > switch on SPI DFEE, AFEE, ACS and PSD	B	R		Use Eclipse exit EDs: DESCLD00 to disable SECL (FCP_DHS_1365) KECLEX01, LECLEX01, EECLEX02, GECLEX02 for instrument reactivations NOTE: remove PDM switch on commands		
2002-10-20 01:45:00	1:05:00	P1 + 1:46:56	On Project/Alenia go-ahead, re-enable instrument nominal substitution heaters	B	R	Project/Alenia to monitor and provide go-ahead	FCP_RCS_1020 (ED TENPE_00) Enable Heaters Post Eclipse. NOTE: Remove command to enable Csl HTR-B; the ED contains also SECL re-enable		
2002-10-20 02:50:00	0:00:00	P1 + 2:51:56	40000 Km crossing ascending	B	R				
2002-10-20 02:50:00	0:05:00	P1 + 2:51:56	> Check reactions of instruments to BCP Rad Belt Exit Time > Switch on Annealing heaters A&B to resume SPI Outgassing > Load BCP G1 parameters for next rad Belt / Eclipse passage	B	R	FD to provide the rad belt times	FCP_DHS_1301 Load BCP G1 parameters EEORTM01 SPI S/A STATUS TM REFRESH To reconfigure SPI heaters for outgassing refer to FCP_SPI1_0191 SPI OUTGASSING at 37degC, steps 4.10 to 4.16		
2002-10-20 02:55:00	2:20:00	P1 + 2:56:56	> IBIS ISGRI transition to Nominal > IBIS Electronic Box Activations : PICSIT PDM Switch on (IBIS-015) - ~2hr 20m	B	R	IBIS PI to monitor the activation and check that VC7 TM is received by IBIS W/S's at MOC	FCP_IBIS1_0145 - 0159 ISGRI MCEX NOMINAL MODE (set bias at 0 V) DEPST200_defSolarMax.TPF (FCP_DHS_1413 Load PST2) FCP_DHS_1302 Load BCP G2 At the end of the IBIS-015, in order to test the VC7 Science TM generation (for the 1st time) and transmission/distribution to ground, the transition to PPM mode will be performed. After TBD hr the PDMs will be then switched off to avoid any possible interference with Platform LEOP activities.	136 IBIS	5150
2002-10-20 05:15:00	0:00:00	P1 + 5:16:56	J. Piñeiro on shift, for the AOCS reconfiguration [-9hr]	B	R				
2002-10-20 05:15:00	0:20:00	P1 + 5:16:56	> End of AOCS PP period. > Reset of the FDE criteria for sunlight. This is placed here following User Manual instructions. This FDE reconfiguration could be advanced if ALS/Project agrees. > RMU Calibration performed	B	R		FCP_AOC_0017: FDE Reconfiguration After POPP FCP_AOC_0550: RMU Null Bias Calibration		
2002-10-20 05:35:00	0:15:00	P1 + 5:36:56	End of the B Team shift. From this shift onwards, the A-B scheme is not applied anymore. There will be permanent engineering support for "baby sitting". Rest of the team to be present according to the needs.		R				

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2002-10-20 05:50:00	0:00:00	P1 + 5:51:56	M.Rezazad on shift [-13hr]	M.R.	R				
2002-10-20 05:50:00	0:40:00	P1 + 5:51:56	RWB, (using IMU's 1 and 4), to prepare for the slew to OG attitude, if needed.	J.P.	R	FD to provide the LRW and LCS TPF's	FCP_AOC_0055: Momentum Biasing (LEOP) FCP_AOC_0051: Offset Slew (LEOP)		
2002-10-20 06:30:00	0:30:00	P1 + 6:31:56	Open loop preparation	J.P.	R	FD to prepare the TPF.			
2002-10-20 07:00:00	0:00:00	P1 + 7:01:56	Viispa connected to redundant TM, to provide double station coverage.	J.P.	R-V				
2002-10-20 07:00:00	1:30:00	P1 + 7:01:56	Slew to the OG attitude	J.P.	R-V	FD to produce the slew TPF	In order to achieve the right attitude and star, the following sequence is needed: FCP_AOC_0050: Open Loop Slew (LEOP) FCP_AOC_0529: Change of Guide Star FCP_AOC_0051: Offset Slew (LEOP) FCP_AOC_0529: Change of Guide Star		
2002-10-20 08:30:00	0:40:00	P1 + 8:31:56	RWB.	J.P.	R-V	FD to produce the relevant RWB TPF	FCP_AOC_0055: Momentum Biasing (LEOP) FCP_AOC_0051: Offset Slew (LEOP)		
2002-10-20 09:10:00	0:10:00	P1 + 9:11:56	IMU's off (IMU-1 and 4).	J.P.	R-V		FCP_AOC_0011: IMUs 1&4 Off (LEOP)		
2002-10-20 09:20:00	0:00:00	P1 + 9:21:56	Viispa released, end of double station coverage.	J.P.	R				
2002-10-20 09:20:00	0:53:00	P1 + 9:21:56	Spare Time.	J.P.	R				
2002-10-20 10:13:00	4:30:00	P1 + 10:14:56	JEMX1 verification of the Trigger Logic vs Discriminator Setting (JEM-006) - ~4hr 30m	M.R.	R	JEMX PI to monitor operations and process the VC-7 TM	FCP_JEM1_4006 JEM1-006: VERIFICATION OF TRIGGER LOGIC	min 9 JEMX1	6060
2002-10-20 14:43:00	0:30:00	P1 + 14:44:56	JEMX1 1st Electronic Calibration (JEM-007) - ~30m	M.R.	R		DEPST200_36E_19G_50K_50L_40M_2D.TPF (FCP_DHS_1413) FCP_JEM1_4007 JEM1-007: ANODE ELECTRONIC CALIBRATION	min 40 JEMX1	6070
2002-10-20 15:13:00	3:00:00	P1 + 15:14:56	JEMX2 verification of the Trigger Logic vs Discriminator Setting (JEM-006) - ~4hr 30m	M.R.	R		FCP_JEM2_4006 JEM2-006: VERIFICATION OF TRIGGER LOGIC		7060
2002-10-20 18:13:00	0:01:00	P1 + 18:14:56	Reset RMU integrator and start the RMU calibration.	M.R.	R	FD to process the RMU TM and calculate the drift	FCP_AOC_0550: RMU Null Bias Calibration		
2002-10-20 18:14:00	0:40:00	P1 + 18:15:56	Continuation of JEM-006 on JEMX2	M.R.	R	JEMX PI			
2002-10-20 18:54:00	0:06:00	P1 + 18:55:56	Uplink RMU drift correction.	M.R.	R	FD to produce the relevant TPF	FCP_AOC_0550: RMU Null Bias Calibration		
2002-10-20 19:00:00	1:00:00	P1 + 19:01:56	Continuation of JEM-006 on JEMX2	M.R.	R	JEMX PI to monitor operations and process the VC-7 TM			
2002-10-20 20:00:00	0:30:00	P1 + 20:01:56	JEMX2 1st Electronic Calibration (JEM-007) - ~30m	M.R.	R		FCP_JEM2_4007 JEM2-007: ANODE ELECTRONIC CALIBRATION No PST change. The last one loaded should be ok.	min 40 JEMX2	7070
2002-10-20 20:30:00	0:00:00	P1 + 20:31:56	F.Di Marco on shift [-10hr]	F.D.M.	R				
2002-10-20 20:30:00	0:15:00	P1 + 20:31:56	JEMX1&2 2nd Electronic Calibration(JEM-007) - ~15m	M.R.	R		FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2 The electronic calibration will be repeated every ~4 hours and can be performed in parallel with other instrument activities	min 9+9 JEMX	
2002-10-20 20:45:00	0:15:00	P1 + 20:46:56	Spare Time.	M.R.	R				
2002-10-20 21:00:00	1:55:00	P1 + 21:01:56	OMC EU Activation and CCD Health Check (OMC-003) - ~5hr 30m	F.D.M.	R	OMC PI to monitor operations and process the VC-7 TM	FCP_OMC_4003 OMC-003: OMC EU ACTIVATION AND CCD HEALTH CHECK No PST change. The last one loaded should be ok.	40 OMC	8031-8033
2002-10-20 22:55:00	0:15:00	P1 + 22:56:56	H/O Redu to Goldstone	F.D.M.	G				
2002-10-20 23:10:00	0:15:00	P1 + 23:11:56	JEMX1 & JEMX2 3rd Electronic Calibration (JEM-007) - ~15m	F.D.M.	G	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-20 23:25:00	3:38:00	P1 + 23:26:56	Continuation of OMC-003	F.D.M.	G	OMC PI			
2002-10-21 03:03:00	0:15:00	P1 + 27:04:56	H/O Goldstone to Redu	F.D.M.	R				
2002-10-21 03:18:00	0:15:00	P1 + 27:19:56	JEMX1 & JEMX2 4th Electronic Calibration (JEM-007) - ~15m	F.D.M.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	

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2002-10-21 03:33:00	1:27:00	P1 + 27:34:56	Spare - Night Time	F.D.M.	R				
2002-10-21 05:00:00	0:00:00	P1 + 29:01:56	J. Piñeiro on shift, for the AOCS RWB [-9hr]	J.P.	R				
2002-10-21 05:00:00	0:30:00	P1 + 29:01:56	Probably not needed -> IMU's 1 and 3 on, allow 30 minutes for warm-up, and health assesment.	J.P.	R		FCP_AOC_0053: Configure IMU's 1&3 for LEOP.		
2002-10-21 05:30:00	0:15:00	P1 + 29:31:56	JEMX1 & JEMX2 5th Electronic Calibration (JEM-007) - ~15m	F.D.M.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-21 05:45:00	0:40:00	P1 + 29:46:56	Probably not needed -> RWB	J.P.	R	Probably not needed -> FD to produce the relevant TPF	FCP_AOC_0055: Momentum Biasing (LEOP) FCP_AOC_0051: Offset Slew (LEOP)		
2002-10-21 06:25:00	0:10:00	P1 + 30:26:56	Probably not needed -> IMU's 1 and 3 off	J.P.	R		FCP_AOC_0010: IMU's 1&3 OFF		
2002-10-21 06:35:00	0:00:00	P1 + 30:36:56	F.Cordero on shift [-12hr]	F.C.	R				
2002-10-21 06:35:00	0:25:00	P1 + 30:36:56	OMC CCD calibration with cover closed (OMC-006) - ~10hr 30m	F.C.	R	OMC PI to monitor operations and process VC-7	FCP_OMC_4006 OMC-006: OMC CCD CALIBRATION WITH COVER CLOSED No PST change. The last one loaded should be ok.	40 OMC	8061-8065
2002-10-21 07:00:00	2:30:00	P1 + 31:01:56	Continuation of OMC-006	F.C.	R	OMC PI to process the VC-7 TM			
2002-10-21 09:30:00	0:15:00	P1 + 33:31:56	JEMX1 & JEMX2 6th Electronic Calibration (JEM-007) - ~15m	F.C.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-21 09:45:00	3:45:00	P1 + 33:46:56	Continuation of OMC-006	F.C.	R	OMC PI to process the VC-7 TM			
2002-10-21 13:30:00	0:15:00	P1 + 37:31:56	JEMX1 & JEMX2 7th Electronic Calibration (JEM-007) - ~15m	F.C.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-21 13:45:00	1:49:00	P1 + 37:46:56	Continuation of OMC-006	F.C.	R	OMC PI to process the VC-7 TM			
2002-10-21 15:34:00	0:01:00	P1 + 39:35:56	Reset RMU integrator and start the RMU calibration.	F.C.	R	FD to process the RMU TM and calculate the drift	FCP_AOC_0550: RMU Null Bias Calibration		
2002-10-21 15:35:00	1:50:00	P1 + 39:36:56	Continuation of OMC-006	F.C.	R	OMC PI to process the VC-7 TM			
2002-10-21 17:25:00	0:05:00	P1 + 41:26:56	Uplink RMU drift correction.	F.C.	R	FD to produce the relevant TPF	FCP_AOC_0550: RMU Null Bias Calibration		
2002-10-21 17:30:00	0:15:00	P1 + 41:31:56	JEMX1 & JEMX2 8th Electronic Calibration (JEM-007) - ~15m	F.C.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-21 17:45:00	0:30:00	P1 + 41:46:56	Continuation of OMC-006	F.C.	R	OMC PI to process the VC-7 TM			
2002-10-21 18:15:00	0:00:00	P1 + 42:16:56	M.Rezazad on shift [-12hr]	M.R.	R				
2002-10-21 18:15:00	2:40:00	P1 + 42:16:56	OMC Cover Release and CCD/Optics Tests with Cover Open (OMC-007)- ~5hr	M.R.	R	OMC PI to monitor operations and process VC-7	FCP_OMC_4007 OMC-007: OMC COVER RELEASE AND CCD/OPTIC TESTS No PST change. The last one loaded should be ok.	40 OMC	8071-8073
2002-10-21 20:55:00	0:15:00	P1 + 44:56:56	JEMX1 & JEMX2 9th Electronic Calibration (JEM-007) - ~15m	M.R.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-21 21:10:00	1:00:00	P1 + 45:11:56	Continuation of OMC-007	M.R.	R	OMC PI to process VC-7 TM			
2002-10-21 22:10:00	0:15:00	P1 + 46:11:56	H/O Redu to Goldstone	M.R.	G				
2002-10-21 22:25:00	1:20:00	P1 + 46:26:56	Continuation of OMC-007	M.R.	G				
2002-10-21 23:45:00	0:15:00	P1 + 47:46:56	Continuation of IBIS-015 : switch off PDMS, transtion to Stand-by	M.R.	G				
2002-10-22 00:00:00	1:05:00	P1 + 48:01:56	Spare	M.R.	G				
2002-10-22 01:05:00	0:15:00	P1 + 49:06:56	Spare Time (JEMX 1th preriodic calibration was deleted by CR PI-OPS-013)	M.R.	G				
2002-10-22 01:20:00	3:10:00	P1 + 49:21:56	Spare - Night Time. This time could be needed to start the AOCS configuration for the PP, if the time after the LOS period is not considered sufficient based on the experience from Rev. 1.	M.R.	G				
2002-10-22 04:30:00	0:00:00	P1 + 52:31:56	J.Pineiro On shift.	J.P.	G				
2002-10-22 04:30:00	0:31:00	P1 + 52:31:56	Spare Time.	M.R.	G				

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UT	ACTIVITY DURATION	TIME FROM PERIGEE	EVENT/ACTIVITY	TEAM	GS	FD/PG	FCP Reference / Notes	PST	BCP Pnt Nr
2002-10-22 05:01:00	0:14:00	P1 + 53:02:56	JEMX1 & JEMX2 11th Electronic Calibration (JEM-007) - ~15m	M.R.	G	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-22 05:15:00	0:15:00	P1 + 53:16:56	LOS Checks	M.R. J.P.	G		FCP_SYS_1110 LOS_CHK operations (skip time verification reports)		
2002-10-22 05:30:00	0:00:00	P1 + 53:31:56	LOS (Goldstone)						
2002-10-22 05:30:00	0:00:00	P1 + 53:31:56	M.Rezazad off shift						
2002-10-22 05:30:00	0:43:00	P1 + 53:31:56							
2002-10-22 06:13:00	0:20:00	P1 + 54:14:56	AOS TM Redu		R TM				
2002-10-22 06:33:00	0:00:00	P1 + 54:34:56	AOS TC Redu		R				
2002-10-22 06:33:00	0:15:00	P1 + 54:34:56	AOS Checks	J.P.	R	IREM PI to check recorded TM	FCP_SYS_1100 AOS_CHK operations (skip time verification reports)		
2002-10-22 06:48:00	0:15:00	P1 + 54:49:56	IMU -1 and IMU-4 power on for warm-up, IMU selection in ACC and FDE.	J.P.	R	FD to process the IMU/RMU TM and calculate the drift	FCP_AOC_0054: Configure IMUs 1&4 for LEOP		
2002-10-22 07:03:00	0:27:00	P1 + 55:04:56	Spare Time.	J.P.	R				
2002-10-22 07:30:00	0:40:00	P1 + 55:31:56	RWB	J.P.	R	FD to produce the relevant RWB TPF	FCP_AOC_0055: Momentum Biasing (LEOP) FCP_AOC_0051: Offset Slew (LEOP)		
2002-10-22 08:10:00	0:00:00	P1 + 56:11:56	Vilspa connected to redundant TM, to provide double station coverage.	J.P.	R-V				
2002-10-22 08:10:00	1:20:00	P1 + 56:11:56	Slew to the PP attitude	J.P.	R-V	FD to produce the slew TPF	In order to achieve the right attitude and star, the following sequence is needed: FCP_AOC_0050: Open Loop Slew (LEOP) FCP_AOC_0529: Change of Guide Star FCP_AOC_0051: Offset Slew (LEOP) FCP_AOC_0529: Change of Guide Star		
2002-10-22 09:30:00	0:05:00	P1 + 57:31:56	Start of IMU + RMU calibration	J.P.	R-V		FCP_AOC_1620: FDE IMU Drift Calibration FCP_AOC_1621: ACC IMU Drift Calibration		
2002-10-22 09:35:00	0:20:00	P1 + 57:36:56	Uplink of the ACC eclipse timer (probably not needed)	J.P.	R-V	FD to produce the relevant TPF's	FCP_AOC_1005: ACC ECLIPSE TIMER LOAD		
2002-10-22 09:55:00	0:20:00	P1 + 57:56:56	Load BP Group 1, from the current orbital predictions (probably not needed)	J.P.	R-V	FD to provide latest predictions of the rad belt/eclipse times	FCP_DHS_1301 Load BCP G1		
2002-10-22 10:15:00	0:20:00	P1 + 58:16:56	Tracking of 4 additional stars, in order to monitor 5 stars simultaneously.	J.P.	R-V		FCP_AOC_0527: STR SEARCH/TRACK		
2002-10-22 10:35:00	0:30:00	P1 + 58:36:56	Spare time (IMU/RMU data processing).	J.P.	R-V				
2002-10-22 11:05:00	0:23:00	P1 + 59:06:56	Uplink of the drift correction (IMU)	J.P.	R-V	FD to produce the relevant TPF's	FCP_AOC_1622: Update ACC IMU Drift FCP_AOC_1623: Update FDE IMU Drift		
2002-10-22 11:28:00	0:20:00	P1 + 59:29:56	FDE configuration for the PP.	J.P.	R-V		FCP_AOC_0015: FDE CONFIGURATION FOR POPP		
2002-10-22 11:48:00	0:12:00	P1 + 59:49:56	Uplink of the RMU drift correction.	J.P.			FCP_AOC_0550: RMU Null Bias Calibration.		
2002-10-22 12:00:00	0:00:00	P1 + 60:01:56	Vilspa released, end of double station coverage.	J.P.	R				
2002-10-22 12:00:00	0:00:00	P1 + 60:01:56	F.Cordero on shift. J.P. off shift (30 minutes later).	F.C.	R				
2002-10-22 12:00:00	0:15:00	P1 + 60:01:56	JEMX1 & JEMX2 12th Electronic Calibration (JEM-007) - ~15m	F.C.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-22 12:15:00	0:15:00	P1 + 60:16:56	Load TT commands for eclipse management: @ Ecl entry - 1min: switch off SPI AFEE TM/TC I/F and Detector Chains, switch on SPI Antifreeze 1&2 htr A, Switch off Csl HTR-B @ Ecl exit + 1min: switch-off Antifreeze 1&2 A, switch on SPI Heat Pipes A&B, switch on IBIS additional detector heater M	F.C.	R		FCP_TCS_1400 Load TT TC for rev.1 & 2 eclipses		
2002-10-22 12:30:00	0:00:00	P1 + 60:31:56	PICSIT PDMs periodic switch on (IBIS-016) - ~15min (in parallel to IREM activity RM-030)	F.C.	R	IBIS team to check PDM health			

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2002-10-22 12:30:00	0:00:00	P1 + 60:31:56	OMC Imaging at PP Attitude (in parallel to IREM activity RM-030)	F.C.	R	OMC PI to process VC7 TM	FCP_OMC_4020 GROUND COMMANDED IMAGING ACQUISITION via TPF BCP Pnt nr will be set first to identify OMC imaging and then for RM-030	min 5 OMC	8801
2002-10-22 12:30:00	0:30:00	P1 + 60:31:56	IREM Verification of the Counters inside Radiation Belts (RM-030)	F.C.	R	IREM Team to process IREM data	FCP_DHS_1302 Load BCP G2 FCP_RM_4030 IREM COMMISSIONING ACTIVITY 030 The activity RM-030 continues throughout the radiation belt passage whenever TC link is available.		9302
2002-10-22 13:00:00	0:00:00	P1 + 61:01:56	Start of AOCs PP. The PP period is ~10 hours. If needed, reset the IAAD accumulators.	F.C.	R		FCP_AOC_1210 Reset IAAD Accumulators.		
2002-10-22 13:00:00	1:00:00	P1 + 61:01:56	Continuation of IREM Verification of the Counters inside Radiation Belts (RM-030)	F.C.	R	IREM Team to process IREM data			
2002-10-22 14:00:00	0:00:00	P1 + 62:01:56	M. Schmidt on shift.	M.S.	R				
2002-10-22 14:00:00	1:00:00	P1 + 62:01:56	Continuation of IREM Verification of the Counters inside Radiation Belts (RM-030)	F.C.	R	IREM Team to process IREM data			
2002-10-22 15:00:00	0:21:30	P1 + 63:01:56	JEMX1 & JEMX2 13th Electronic Calibration (JEM-007) - ~15m	F.C.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX-007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1 & 2	min 9+9 JEMX	
2002-10-22 15:21:30	0:00:00	P1 + 63:23:26	40000 Km crossing descending	F.C.	R				
2002-10-22 15:21:30	0:05:00	P1 + 63:23:26	Check reactions of instruments to BCP Rad Belt Entry Time	F.C.	R		EEORTM01 SPI S/A STATUS TM REFRESH		
2002-10-22 15:26:30	0:33:30	P1 + 63:28:26	Continuation of IREM Verification of the Counters inside Radiation Belts (RM-030)	F.C.	R				
2002-10-22 16:00:00	0:00:00	P1 + 64:01:56	R.Southworth on shift.	R.S.	R				
2002-10-22 16:00:00	1:12:30	P1 + 64:01:56	Continuation of IREM Verification of the Counters inside Radiation Belts (RM-030)	F.C.					
2002-10-22 17:12:30	0:15:00	P1 + 65:14:26	LOS Checks	F.C.	R		FCP_SYS_1110 LOS_CHK operations (skip time verification reports) FCP_SYS_1020 Eclipse passage monitoring (only checks at eclipse exit)		
2002-10-22 17:27:30	0:00:00	P1 + 65:29:26	LOS REDU	R.S.					
2002-10-22 17:27:30	0:37:36	P1 + 65:29:26		R.S.					
2002-10-22 18:05:06	0:00:00	P1 + 66:07:02	Eclipse start (the eclipse finishes in the next revolution)	R.S.					
2002-10-22 18:05:06	0:00:45	P1 + 66:07:02		R.S.					
2002-10-22 18:05:51	0:00:00	P1 + 66:07:47	AOS Perth, BOT, TM only	R.S.	P TM				
2002-10-22 18:05:51	0:03:23	P1 + 66:07:47		R.S.	P TM				
2002-10-22 18:09:14	0:00:00	P1 + 66:11:10	Perigee passage, end of revolution 2	R.S.	P TM				

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REV #3

UT	ACTIVITY DURATION	TIME FROM PERIGEE	EVENT/ACTIVITY	TEAM	GS	FD/PG	FCP Reference / Notes	PST	BCP Pnt Nr
2002-10-22 18:09:14	0:00:00	P2 + 0:00:00	Perigee passage, start of revolution 3	R.S.	P TM				
2002-10-22 18:09:14	0:03:36	P2 + 0:00:00		R.S.	P TM				
2002-10-22 18:12:50	0:00:00	P2 + 0:03:36	Eclipse End	R.S.	P TM				
2002-10-22 18:12:50	0:05:26	P2 + 0:03:36	Spare time	R.S.	P TM				
2002-10-22 18:18:16		P2 + 0:09:02	LOS Perth	R.S.					
2002-10-22 18:18:16	0:30:00	P2 + 0:09:02		R.S.					
2002-10-22 18:48:16	0:15:00	P2 + 0:39:02	AOS Goldstone, AOS checks. This Goldstone pass is needed in order to start with some critical reconfigurations after eclipse.	F.C.	G	IREM to check recorded TM	FCP_SYS_1100 AOS_CHK operations EEORTM01 SPI S/A STATUS TM REFRESH		
2002-10-22 19:03:16	0:10:00	P2 + 0:54:02	Check the correct execution of TT commands at eclipse exit.	F.C.	G				
2002-10-22 19:13:16	1:00:00	P2 + 1:04:02	Instrument Periphery post-eclipse re-activations : > disable SECL > switch on JEMX1&2 DFEE > switch on OMC EU > switch on IBIS VEB, PEB, IEB, MCEs, PDMs > switch on SPI DFEE, AFEE, ACS and PSD > check SPI auto-reconfiguration occurs at Eclipse exit (see CR PI-OPS-016) > switch on Annealing heaters A&B to resume SPI (see CR PI-OPS-016)	F.C.	G		Use Eclipse exit EDs: DESCLD00 to disable SECL (FCP_DHS_1365) KECLEX01, LECLEX01, EECLEX02, GECLEX02 for instrument reactivations To reconfigure SPI heaters for outgassing refer to FCP_SPI1_0191 SPI OUTGASSING at 37degC, steps 4.13, 4.14 and 4.17 NOTES: - full GECLEX02 will be executed (i.e. also PDMs on) - remove TC to switch off JDPE2 htr-A on KECLEX02 (see CR PST-006)		
2002-10-22 20:13:16	0:43:00	P2 + 2:04:02	On Project/Alenia go-ahead, re-enable instrument nominal substitution heaters	F.C.	G	Project/Alenia to monitor and provide go-ahead	FCP_RCS_1020 (ED TENPE_00) Enable Heaters Post Eclipse. NOTE: the ED contains also SECL re-enable		
2002-10-22 20:56:16	0:00:00	P2 + 2:47:02	40000 Km crossing ascending	F.C.	G				
2002-10-22 20:56:16	0:18:00	P2 + 2:47:02	> Check reactions of instruments to BCP Rad Belt Exit Time > Load BCP G1 parameters for next rad Belt / Eclipse passage > IBIS ISGRI transition to Nominal	F.C.	G	FD to provide the rad belt times	FCP_DHS_1301 Load BCP G1 parameters FCP_IBIS1_0145 - 0159 ISGRI MCEX NOMINAL MODE (set bias at 0 V) EEORTM01 SPI S/A STATUS TM REFRESH		
2002-10-22 21:14:16	0:10:00	P2 + 3:05:02	All PDMs switch off	F.C.	G		FCP_IBIS1_212 PICSIT ALL PDM ON (set OFF all the parameters of TC G0512) FCP_IBIS1_315-329 PICSIT PDMx OFF		
2002-10-22 21:24:16	0:15:00	P2 + 3:15:02	JEMX1 & JEMX2 14th Electronic Calibration (JEM-007) - ~15m	F.C.	G	JEMX PI to process the VC-7 TM	DEPST200_36E_54G_50K_50L_5M_2D.TPF (FCP_DHS_1413) FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-22 21:39:16	0:00:00	P2 + 3:30:02	F.Di Marco on shift [-11h]	F.D.M.	R				
2002-10-22 21:39:16	0:15:00	P2 + 3:30:02	H/O Goldstone to Redu. Goldstone is kept for redundant TM (double station coverage).	F.D.M.	R-G				
2002-10-22 21:54:16	1:15:00	P2 + 3:45:02	IREM Verification of the Accumulation files (RM-020) - 2hr 40m NOTE: At the end of RM-020 there is an acquisition of longer 1.5 hr that will go in parallel to the platform ops. Final commands to complete RM-020 will be sent after the slew to PRB	F.D.M.	R-G	IREM Team to process IREM data	FCP_DHS_1302 Load BCP G2 FCP_RM_4020 IREM COMMISSIONING ACTIVITY 020		9200
2002-10-22 23:09:16	0:00:00	P2 + 5:00:02	End of PP. Activities are started at perigee + 5 hours.		R-G				
2002-10-22 23:09:16	0:00:00	P2 + 5:00:02	J. Piñeiro on shift, for the AOCs reconfiguration.	J.P.	R-G				
2002-10-22 23:09:16	0:20:00	P2 + 5:00:02	> End of AOCs PP period. > Reset of the FDE criteria for sunlight. This is placed here following User Manual instructions. This FDE reconfiguration could be advanced if ALS/Project agrees. > RMU Calibration > Stop ACC eclipse timer	J.P.	R-G		FCP_AOC_0017: FDE Reconfiguration After POPP FCP_AOC_0550: RMU Calibration FCP_AOC_0522 AOCs reconfiguration after eclipse season (last step)		

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UT	ACTIVITY DURATION	TIME FROM PERIGEE	EVENT/ACTIVITY	TEAM	GS	FD/PG	FCP Reference / Notes	PST	BCP Pnt Nr
2002-10-22 23:29:16	0:40:00	P2 + 5:20:02	RWB (if needed for the slew to PRB).	J.P.	R-G	FD to produce the relevant RWB TPF	FCP_AOC_0055: Momentum Biasing (LEOP) FCP_AOC_0051: Offset Slew (LEOP)		
2002-10-23 00:09:16	1:30:00	P2 + 6:00:02	Slew to the PRB attitude	J.P.	R-G	FD to produce the slew TPF	In order to achieve the right attitude and star, the following sequence is needed: FCP_AOC_0050: Open Loop Slew (LEOP) FCP_AOC_0529: Change of Guide Star FCP_AOC_0051: Offset Slew (LEOP) FCP_AOC_0529: Change of Guide Star		
2002-10-23 01:39:16	0:40:00	P2 + 7:30:02	RWB.	J.P.	R-G	FD to produce the relevant RWB TPF	FCP_AOC_0055: Momentum Biasing (LEOP) FCP_AOC_0051: Offset Slew (LEOP)		
2002-10-23 02:19:16	0:10:00	P2 + 8:10:02	IMU's off (IMU-1 and 4).	J.P.	R-G				
2002-10-23 02:29:16	0:00:00	P2 + 8:20:02	EOT Goldstone. End of double station coverage.	J.P.	R				
2002-10-23 02:29:16	0:10:00	P2 + 8:20:02	Spare	F.D.M.	R				
2002-10-23 02:39:16	0:15:00	P2 + 8:30:02	JEMX1 & JEMX2 15th Electronic Calibration (JEM-007) - ~15m	F.D.M.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-23 02:54:16	2:00:00	P2 + 8:45:02	> IREM Verification of the HK Acquisition files (RM-021) - ~2hr > PICSIT PDMs periodic switch on (IBIS-016) - ~15min (in parallel during acquisitions)	F.D.M.	R	IREM Team to process IREM data	FCP_DHS_1302 Load BCP G2 FCP_RM_4021 IREM COMMISSIONING ACTIVITY 021 FCP_IBIS_4016 IBIS COMMISSIONING ACTIVITY 016		9210
2002-10-23 04:54:16	2:45:00	P2 + 10:45:02	IBIS ISGRI MCE4 Bias Setting and Check (IBIS-019) - ~1.5hr	F.D.M.	R	IBIS PI to process VC7 TM	DEPST200_defSolarMax.TPF (FCP_DHS_1413) FCP_DHS_1302 Load BCP G2	min 136 IBIS	5190
2002-10-23 07:39:16	0:15:00	P2 + 13:30:02	JEMX1 & JEMX2 16th Electronic Calibration (JEM-007) - ~15m	F.D.M.	R	JEMX PI to monitor and process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-23 07:54:16	0:15:00	P2 + 13:45:02	Spare Time		R				
2002-10-23 08:09:16	0:00:00	P2 + 14:00:02	F.Cordero and M.Walker on shift [-11hr]	F.C.	R				
2002-10-23 08:09:16	2:45:00	P2 + 14:00:02	SPI S/A software dump (SPI-31)	M.W.	R	SPI PI to monitor		min 15 SPI	
2002-10-23 10:54:16	0:30:00	P2 + 16:45:02	OMC Imaging at PRB Attitude	F.C.	R	OMC PI to process VC7 TM	FCP_OMC_4020 GROUND COMMANDED OMC IMAGING ACQUISITION by TPF	min 5 OMC	8810
2002-10-23 11:24:16	0:00:00	P2 + 17:15:02	F.Possanzini	F.P.	R				
2002-10-23 11:24:16	1:58:00	P2 + 17:15:02	Spare time (could be needed for RWB or other activities).	F.C.	R				
2002-10-23 13:22:16	0:15:00	P2 + 19:13:02	JEMX1 & JEMX2 17th Electronic Calibration (JEM-007) - ~15m	F.C.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2		
2002-10-23 13:37:16	2:00:00	P2 + 19:28:02	Spare time (could be needed for RWB or other activities).	F.P.	R				
2002-10-23 15:37:16	0:01:00	P2 + 21:28:02	Reset RMU integrator and start the RMU calibration.	F.P.	R	FD to process the RMU TM and calculate the drift	FCP_AOC_0550: RMU Null Bias Calibration		
2002-10-23 15:38:16	0:05:00	P2 + 21:29:02	Spare Time	F.P.	R				
2002-10-23 15:43:16	1:25:00	P2 + 21:34:02	> PICSIT PDMs periodic switch on (IBIS-016) - ~15min > IBIS and SPI DPE software dump (IBIS-017 & SPI-030)	M.W.	R	IBIS and SPI PI to monitor the operations / IBIS team to check PDM health		min 10 IBIS/15 SPI	
2002-10-23 17:08:16	0:05:00	P2 + 22:59:02	Uplink RMU drift correction. (the uplink time is flexible, could be delayed as convenient for the on-going JEMX activities).	F.P.	R	FD to produce the relevant TPF			
2002-10-23 17:13:16	0:15:00	P2 + 23:04:02	JEMX1 & JEMX2 18th Electronic Calibration (JEM-007) - ~15m	F.C.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX- 007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-23 17:28:16	0:10:00	P2 + 23:19:02	Instruments in a save mode for PRB: > JEMX1&2 Transition to safe mode > OMC Transition to safe mode > IBIS stays in stand-by with PDMs off > SPI stays in configuration mode (all HV are off)	F.C.	R		FCP_JEM1_0040 JEMX1 Transition to Safe Mode FCP_JEM2_0040 JEMX2 Transition to Safe Mode FCP_OMC_0040 OMC Transition to Safe Mode		

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UT	ACTIVITY DURATION	TIME FROM PERIGEE	EVENT/ACTIVITY	TEAM	GS	FD/PG	FCP Reference / Notes	PST	BCP Pnt Nr
2002-10-23 17:38:16	0:07:00	P2 + 23:29:02	Spare Time	F.C.	R				
2002-10-23 17:45:16	0:00:00	P2 + 23:36:02	Vilspa connected to redundant TM, to provide double station coverage.	F.C.	R-V				
2002-10-23 17:45:16	0:30:00	P2 + 23:36:02	IMU's 1 and 3 on for warming-up.	F.P.	R-V				
2002-10-23 18:15:16	1:00:00	P2 + 24:06:02	IMU and RMU calibration.	F.P.	R-V	FD to process the IMU/RMU TM and calculate the drift	FCP_AOC_0550: RMU Null Bias Calibration		
2002-10-23 19:15:16	0:41:35	P2 + 25:06:02	Spare Time	F.P.	R-V				
2002-10-23 19:56:51	0:05:00	P2 + 25:47:37	Team A on console for the PRB preparation.	A	R-V				
2002-10-23 20:01:51	1:13:09	P2 + 25:52:37	PRB preparation: > Update of Torque Reciprocals and PWM table in FCE. > Uplink of IMU/RMU dirt corrections > Load of PRB parameters > FDE configuration	A	R-V	FD to produce the relevant TPF's			
2002-10-23 21:15:00	0:00:00	P2 + 27:05:46	BOT Goldstone. Goldstone replaces Vilspa for double station coverage. Vilspa kept until LOS.	A	R-G-(V)				
2002-10-23 21:15:00	0:47:25	P2 + 27:05:46	Continuation of PRB preparation.	A	R-G-(V)				
2002-10-23 22:02:25	0:00:00	P2 + 27:53:11	Vilspa LOS.	A	R-G				
2002-10-23 22:02:25	1:00:08	P2 + 27:53:11	PRB proper. Manoeuvre#1. The duration used in this timeline is the currently foreseen one (2000 s) with a worst case off modulation and margin (2340*4*0.3+800s). This is equivalent to the Manoeuvre Timer setting.	A	R-G				
2002-10-23 23:02:33	0:15:00	P2 + 28:53:19	Manoeuvre timer end. H/O Redu to Goldstone. LOS Redu	A	G				
2002-10-23 23:17:33	1:15:00	P2 + 29:08:19	Reconfiguration to IPS, update of parameters after the burn: > Mapping and Attitude Reconstruction > FDE reconfiguration > Transition to IPS > Update of TTIM and Reciprocal Torques + PWM > Update of Inertia Matrix	A	G	FD to produce the relevant TPF's			
2002-10-24 00:32:33	0:50:00	P2 + 30:23:19	Slew to a sun boresighted attitude for the yaw inertia calibration (PRB attitude is very close to boresight)	A	G	FD to produce the relevant TPF's and process the results of the calibration	In order to achieve the right attitude and star, the following sequence is potentially needed: FCP_AOC_0050: Open Loop Slew (LEOP) FCP_AOC_0529: Change of Guide Star FCP_AOC_0051: Offset Slew (LEOP) FCP_AOC_0529: Change of Guide Star		
2002-10-24 01:22:33	0:40:00	P2 + 31:13:19	Yaw inertia calibration operations (offset slew)	A	G	FD to produce the relevant TPF	FCP_AOC_0051: Offset slew (leop)		
2002-10-24 02:02:33	0:10:00	P2 + 31:53:19	Change of guide star prior to the RWB	A	G	FD to produce the relevant TPF	FCP_AOC_0529: Change of Guide Star		
2002-10-24 02:12:33	0:40:00	P2 + 32:03:19	RWB, if one is needed before the slew to the OG attitude.	A	G	FD to produce the relevant TPF	FCP_AOC_0055: Momentum Bias FCP_AOC_0529: Change of Guide Star		
2002-10-24 02:52:33	0:20:00	P2 + 32:43:19	Update of S/C Inertias	A	G	FD to produce the relevant TPF			
2002-10-24 03:12:33	0:00:00	P2 + 33:03:19	Redu TM AOS. Connected for redundant TM.	A	G-(R TM)				
2002-10-24 03:12:33	0:36:00	P2 + 33:03:19	Slew to the OG attitude	A	G-(R TM)	FD to produce the slew TPF	In order to achieve the right attitude and star, the following sequence is needed in the worst case: FCP_AOC_0050: Open Loop Slew (LEOP) (twice) FCP_AOC_0529: Change of Guide Star FCP_AOC_0051: Offset Slew (LEOP) FCP_AOC_0529: Change of Guide Star		
2002-10-24 03:48:33	0:00:00	P2 + 33:39:19	Redu TC AOS.	A	G-R				

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UT	ACTIVITY DURATION	TIME FROM PERIGEE	EVENT/ACTIVITY	TEAM	GS	FD/PG	FCP Reference / Notes	PST	BCP Pnt Nr
2002-10-24 03:48:33	0:55:58	P2 + 33:39:19	Continuation of the slew to OG activities.		G-R				
2002-10-24 04:44:31	0:15:00	P2 + 34:35:17	H/O Goldstone to Redu. (Goldstone LOS 25 m later).	A	R				
2002-10-24 04:59:31	0:30:00	P2 + 34:50:17	Continuation of the slew to OG activities.		R				
2002-10-24 05:29:31	0:40:00	P2 + 35:20:17	RWB.	A	R	FD to produce the relevant RWB TPF	FCP_AOC_0055: MOMENTUM Bias FCP_AOC_0051:Offset Slew (LEOP)		
2002-10-24 06:09:31	0:10:00	P2 + 36:00:17	IMU's 1 and 3 off	A	R		FCP_AOC_0010: IMUs 1&3 Off (LEOP)		
2002-10-24 06:19:31	0:15:00	P2 + 36:10:17	Team A off console.	A	R				
2002-10-24 06:34:31	0:41:27	P2 + 36:25:17	Spare time.		R				
2002-10-24 07:15:58	0:00:00	P2 + 37:06:44	F.Cordero on shift [-8hr]	F.C.	R				
2002-10-24 07:15:58	0:25:00	P2 + 37:06:44	Resume instruments configuration after PRB: > JEMX1&2 Transition to Set-up mode > OMC Transition from safe to stand-by mode > PICSIT PDMs periodic switch on (IBIS-016) - ~15min	F.C.	R	IBIS team to check PDM health	FCP_JEM1_0041 JEMX1 Transition to Set-up mode FCP_JEM2_0041 JEMX2 Transition to Set-up mode FCP_OMC_0041 OMC Exit from Safe Mode		
2002-10-24 07:40:58	0:15:02	P2 + 37:31:44	JEMX1 & JEMX2 19th Electronic Calibration (JEM-007) - ~15m	F.C.	R	JEMX PI to process the VC-7 TM	FCP_JEM1_4107 JEMX-007: PERIODIC ELECTRONIC CALIBRATION OF JEMX 1& 2	min 9+9 JEMX	
2002-10-24 07:56:00	2:45:00	P2 + 37:46:46	JEMX1 Minimum High Voltage Activation (JEM-008) - 2hr 45m	F.C.	R	JEMX PI to monitor the operations and process the VC-7 TM.	No bright sources in the FOV of JEMX if possible. OG attitude is ok in this respect DEPST200_36E_54G_90K_10L_5M_2D.TPF (FCP_DHS_1413) FCP_JEM1_4008 JEM1-008: MINIMAL HIGH VOLTAGE ACTIVATION	min 80 JEMX1	6080
2002-10-24 10:41:00	3:00:00	P2 + 40:31:46	JEMX2 Minimum High Voltage Activation (JEM-008) - ~2hr 45m	F.C.	R		DEPST200_36E_54G_10K_90L_5M_2D.TPF (FCP_DHS_1413) FCP_JEM2_4008: JEM2-008: MINIMAL HIGH VOLTAGE ACTIVATION	min 80 JEMX2	7080
2002-10-24 13:41:00	0:10:00	P2 + 43:31:46	Load BP Group 1, from the updated orbital predictions post PRB	F.C.	R	FD to provide latest predictions of the rad belt/eclipse times	FCP_DHS_1301 Load BCP G1		
2002-10-24 13:51:00	0:59:00	P2 + 43:41:46	Spare Time	F.C.	R				
2002-10-24 14:50:00	0:25:00	P2 + 44:40:46	OMC Imaging at OG Attitude	F.C.	R	OMC PI to process VC7 TM	FCP_OMC_4020 GROUND COMMANDED OMC IMAGING ACQUISITION by TPF	min 5 OMC	8820
2002-10-24 15:15:00	0:00:00	P2 + 45:05:46	M.Rezazad on shift [-6hr]	M.R.	R				
2002-10-24 15:15:00	3:00:00	P2 + 45:05:46	JEMX1 Nominal Cathode High Voltage Adjustment (JEM-009) - ~3hr	M.R.	R	JEMX PI to monitor ops and process VC-7 TM.	No bright sources in the FOV of JEMX if possible. OG attitude is ok in this respect DEPST200_36E_54G_90K_10L_5M_2D.TPF (FCP_DHS_1413) FCP_JEM1_4009 JEM1-009: NOMINAL CATHODE HIGH VOLTAGE ADJUSTMENT	min 80 JEMX1	6090
2002-10-24 18:15:00	3:00:00	P2 + 48:05:46	JEMX2 Nominal Cathode High Voltage Adjustment (JEM-009) - ~3hr	M.R.	R		DEPST200_36E_54G_10K_90L_5M_2D.TPF (FCP_DHS_1413) FCP_JEM2_4009 JEM2-009: NOMINAL CATHODE HIGH VOLTAGE ADJUSTMENT	min 80 JEMX2	7090
2002-10-24 21:15:00	0:00:00	P2 + 51:05:46	F.Di Marco and M.Walker on shift [-5.5hr]	F.D.M. M.W.	G				
2002-10-24 21:15:00	0:20:00	P2 + 51:05:46	Spare - Night Time	F.D.M.	R				
2002-10-24 21:35:00	0:15:00	P2 + 51:25:46	H/O Redu to Goldstone	F.D.M.	G				
2002-10-24 21:50:00	0:15:00	P2 + 51:40:46	PICSIT PDMs periodic switch on (IBIS-016) - ~15min	F.D.M.	G	IBIS team to check PDM health			
2002-10-24 22:05:00	2:30:00	P2 + 51:55:46	IBIS Periphery software dump (IBIS-18)	M.W.	G	JEMX PI to monitor		min 10 IBIS	
2002-10-25 00:35:00	1:05:00	P2 + 54:25:46	Spare - Night Time	F.D.M.	G				

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UT	ACTIVITY DURATION	TIME FROM PERIGEE	EVENT/ACTIVITY	TEAM	GS	FD/PG	FCP Reference / Notes	PST	BCP Pnt Nr
2002-10-25 01:40:00	0:01:00	P2 + 55:30:46	Reset RMU integrator and start the RMU calibration.	F.D.M.	G	FD to process the RMU TM and calculate the drift	FCP_AOC_0550: RMU Null Bias Calibration		
2002-10-25 01:41:00	0:43:00	P2 + 55:31:46	Spare - Night Time	F.D.M.	G		At the end of this activity, JEMX1 is left in Data Taking for min 24hr, before proceeding with JEMX2. Inform JEMX PI of any attitude change during this period		
2002-10-25 02:24:00	0:00:00	P2 + 56:14:46	J.Pineiro on shift [-7hr]	J.P.	G				
2002-10-25 02:24:00	0:05:00	P2 + 56:14:46	Uplink RMU drift correction.	J.P.	G	FD to produce the relevant TPF			
2002-10-25 02:29:00	0:41:00	P2 + 56:19:46	Spare - Night Time	J.P.	G				
2002-10-25 03:10:00	0:15:00	P2 + 57:00:46	IMU -1 and IMU-4 power on for warm-up, IMU selection in ACC and FDE.	J.P.	G	FD to process the IMU/RMU TM and calculate the drift	FCP_AOC_0054: Configure IMUs 1&4 for LEOP		
2002-10-25 03:25:00	0:30:00	P2 + 57:15:46	Spare - IMU Warming-up time.	J.P.	G				
2002-10-25 03:55:00	0:40:00	P2 + 57:45:46	RWB.	J.P.	G	FD to produce the relevant RWB TPF	FCP_AOC_0055: Momentum Biasing (LEOP) FCP_AOC_0051: Offset Slew (LEOP)		
2002-10-25 04:35:00	0:15:00	P2 + 58:25:46	H/O Goldstone to Perth.	J.P.	P-G				
2002-10-25 04:50:00	0:05:00	P2 + 58:40:46	Start of IMU + RMU calibration	J.P.	P		FCP_AOC_0550: RMU Null Bias Calibration		
2002-10-25 04:55:00	0:30:00	P2 + 58:45:46	Spare Time (data collection).	J.P.	P	FD to process the data			
2002-10-25 05:25:00	0:00:00	P2 + 59:15:46	LOS Goldstone.	J.P.	P				
2002-10-25 05:25:00	0:30:00	P2 + 59:15:46	Spare Time (data collection).	J.P.	P	FD to process the data			
2002-10-25 05:55:00	0:30:00	P2 + 59:45:46							
2002-10-25 06:25:00	0:25:00	P2 + 60:15:46	Uplink of the drift correction (IMU + RMU)	J.P.	P	FD to produce the relevant TPF's	FCP_AOC_0054: Configure IMUs 1&4 for LEOP		
2002-10-25 06:50:00	0:30:00	P2 + 60:40:46	FDE configuration for the PP.	J.P.	P		FCP_AOC_0015: FDE CONFIGURATION FOR POPP		
2002-10-25 07:20:00	0:40:00	P2 + 61:10:46	Spare time	J.P.	P				
2002-10-25 08:00:00	0:25:00	P2 + 61:50:46	Start of AOCS PP. The PP period is 10 hours.	J.P.	P				
2002-10-25 08:25:00	0:42:00	P2 + 62:15:46	Spare time	J.P.	P				
2002-10-25 09:07:00	0:00:00	P2 + 62:57:46	R.Southworth, F.Cordero on shift [-7.5hr]	F.C. R.S.	P				
2002-10-25 09:07:00	0:00:00	P2 + 62:57:46	AOS TM Redu. This a a short, low elevation pass (6 degrees maximum). It is only scheduled in order to give some "contingency" window in case of a Perth failure. The exact times are: > 09:07:25 AOS TM > 09:40:08 AOS TC	R.S.	P-(R TM)				
2002-10-25 09:07:00	0:15:00	P2 + 62:57:46	PICSIT PDMs periodic switch on (IBIS-016) - ~15min	F.C.	P-R	IBIS team to check PDM health			
2002-10-25 09:22:00	0:45:20	P2 + 63:12:46	Spare time	F.C.	P-R				
2002-10-25 10:07:20	0:00:00	P2 + 63:58:06	40000 Km crossing descending	F.C.	P-R				
2002-10-25 10:07:20	0:05:00	P2 + 63:58:06	Check reactions of instruments to BCP Rad Belt Entry Time	F.C.	P-R		EEORTM01 SPI S/A STATUS TM REFRESH		
2002-10-25 10:12:20	0:22:40	P2 + 64:03:06	Spare Time	F.C.	P-R				
2002-10-25 10:35:00	0:00:00	P2 + 64:25:46	LOS TC Redu (LOS TM at 11:00:00)	R.S.	P				
2002-10-25 10:35:00	2:00:00	P2 + 64:25:46	Spare Time	R.S.	P				
2002-10-25 12:35:00	0:15:00	P2 + 66:25:46	LOS Checks	R.S.	P		FCP_SYS_1110 LOS_CHK operations (skip time verification reports)		
2002-10-25 12:50:00	0:00:00	P2 + 66:40:46	LOS (Perth)	R.S.					
2002-10-25 12:50:00	0:05:33	P2 + 66:40:46		R.S.					
2002-10-25 12:55:33	0:00:00	P2 + 66:46:19	Perigee passage, end of revolution 3	R.S.					