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XMM-INT-WOPS-23_40-41

Issue 1

Date: 19 October 2023

Marcus Kirsch OPS-OAX

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	INT-PI			
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		Pietro Ubertini	Wojte Hajdas	Miguel Mas Hesse
Jerome Chenevez Jochen Greiner				
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1. Weekly report

	ХММ	Integral
Main activities	 Nominal Operations Phase in of new service contract for SOEs (October-December) DABYS D/B prototype Tolhuin station in operational test Lela final migration to MCS Manual spacecraft recovery without propellant procedures CDMU recovery automation NSM on board 	 Routine science operations Eclipse Season
Status and performance of S/C	 Nominal for platform and all instruments 	 Manual transponder swaps following RF switch anomaly
Status and performance of Ground segment	Nominal	 Nominal
S/C Anomalies	• None	 INT_SC-591 Summary report for all IREM CSCI S/W resets: last event #293 INT_SC-615 Summary report for all JEMX1/2 DFEE CRC anomalies: last event 2023-10-10
G/S Anomalies	 XMM-1546: 2023-10-10 12:00 X_GS_HANDOVER Issues 	 INT-3922 Failed Transponder Swap at Kiruna
Future activities planned	 NSM via MOIS Webserver and NRT Analysis/Monitoring migration 	 Automation of Transponder swap operations Automation of ground station operations (EVFM)

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2. Detailed weekly operational events

note: all times are Zulu (in brackets DOY)

2.1. XMM

- 09/10/2023 (282) 06:00:22: Event Logger: Continuos PDSserTM, xmcsa, Error, Store of packet failed, alarms. Appears to be linked to segmentation PDSclean job that started at 06.00. All tasks on xmcsa green in MMI. Cross ref: PDSserTM ERROR SOFTWARE No segment available for pkt Spid: <nnn> Time:<yyyy-mm-ddThh:mm:ss.nnnnn> Report to SW support next working day. (actual error message is different to cross ref error message in XMM_SPA_0012)
- 10/10/2023 (283) 15:53:48: G/S automated handover failed -> performing handover manually.
 Appears to have failed due to autocomamander send a command 1 sec before a link test command (Check on TC counter)
- 12/10/2023 (285) 22:46:36: Command H5145 failed on T/L Couldn't find a procedure covering this case, calling the on-call (TF), Checking together with on-call, if any procedure can be used for this case, on-call recommends to call the SOC on-call, SOC on-call finds out, that OM has been put to Full Safe by onboard time tagged command, which has been failed to be deleted by MOIS by unknown reason, which caused the fail of the commands in the T/L, There is no entry in the log of the failure of MOIS deleting the time tagged command onboard and no alarm sound has been raised. We agreed to left the instr. in Full Safe and OM disabled in the T/L. On-call informed to recover OM after ACTIVE_OPEN in the next revolution (286.07:24z)
- 16/10/2023 (289) 06:01:32: xmcsa: PDSSerTM Multiple Errors Writing TM Record, or Store of packet failed, alarms every 12secs for 60mins. Also PDSclean deleted Segment messages (continuing)

2.2. INTEGRAL

01/10/2023 (274)

02/10/2023 (275) 07:30:00 SPI Camera DET12 Troubleshooting 1 22:05:16 Eclipse START 22:16:15 Eclipse END 22:40:31 OOL L5583 "CPU MODE" = 8MHZ. I_CRP_JEM2_5011 (AR INT_SC-615)

03/10/2023 (276)

00:11:20 OI #2416: SPI disabled from the T/L Stack EEXIT04_ECL_DET12_1_5kV.icla2 initiated comment JH: SPI was disabled too early.

01:55:14 OI #2416: Re-sending stack EEXIT04_ECL_DET12_1_5kV

04/10/2023 (277)

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02:32:06 IREM Crash: Begin with procedure CRP SYS 2570 (AR INT SC-591) 02:51:15 FCP OMC 0041 finished, OMC re-enabled in T/L 03:08:22 IBIS re-enabled in T/L 04:10:08 CRP SYS 2570 finished, RM re-enabled in A/S 20:56:35 TPF update failed for Slew #26930047. TPF 2693 0500 A.OSL applied on A/S 05/10/2023 (278) 13:52:55 Eclipse START 14:11:16 Eclipse END 15:13:04 OOL: L5583 CPU MODE = 8 MHZ WAIT. 15:22:03, I CRP JEM2 5011. 18:09:59 XREF_SPA_0002 (ECLIPSE Season) Recovered missed JEM-X2 EDs 19:10:38 TRSP Performed as per OI#2147 After completion test TC failed (AR INT-3922) 19:32:18 OSL #26940005 missed from timeline 19:45:18 Requested ESTRACK to re-configure G/S from scratch (KIR Cortex1, TRSP2) 19:58:17 AD Service initiated, - Test Cmd OK TRSP 20:20:33 Manual slew 2694 0500 M.0500 from PID #26940004 to #26940006 20:42:59 FDS: TPF 2694 0501 A.OSLapplied on A/S to update slew 26940007 06/10/2023 (279) 07/10/2023 (280) 08/10/2023 (281) 05:42:15 Eclipse START 06:05:57 Eclipse END 21:01:00 TPF update failed for Slew #26950022. Recovery tool failed to determine attitude. FD support gave go ahead to let next slew execute without update. 09/10/2023 (282) 04:07:42 TPF update failed for SlewID #26950034. FD let the slew go without update. 10/10/2023 (283) 21:32:22 Eclipse START 22:00:38 Eclipse END 22:06:55 OOL L5583 "CPU MODE" = 8MHZ. I CRP JEM2 5011 (AR INT SC-615) 11/10/2023 (284) 13:58:57 TPF update failed for SlewID #26960022. FD let the slew go without update. 21:43:47 TPF update failed for SlewID #26960034. FD let the slew go without update. 12/10/2023 (285)

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13/10/2023 (286) 13:22:33 Eclipse START 13:54:45 Eclipse END 14:48:01 OOL: L5583 CPU MODE = 8 MHZ, I_CRP_JEM2_5011 (AR INT_SC-615) 14/10/2023 (287) -15/10/2023 (288) 02:30:33 TPF update failed for SlewID #26970043. FD let the slew go without update. 10:36:00 TPF update failed for SlewID #26970055 FD let the slew go without update. 16/10/2023 (289) 05:12:34 Eclipse START 05:48:00 Eclipse END 06:33:08 Payload PDU-B Watchdog warning triggered, CRP_EPS_2701 applies