

# XRT Timeline to be uploaded on 2008/07/29

Period: 2008/07/29 10:47:00 - 2008/08/02 10:00:00

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Normal mode

\* \* \* \* \*

XOB #159D: XBP Q90 Al/poly (AEC3) + Ti/poly (AEC3) + Thin-Be (AEC0) with Dark												
Term	Pointing (x, y)	Comment										
07/29 11:32:20 - 07/29 17:38:30	Track ( -176.1, -58.7) @ 07/29 10:57:00	# OP start + 10min, XBP + IBIS (1400 - 1700)										
07/30 00:36:20 - 07/30 06:04:24	Track ( -52.4, -60.9) @ 07/30 00:30:00	XBP										
07/30 06:16:50 - 07/30 17:59:54	Track ( 0.5, -61.3) @ 07/30 06:14:30	XBP + IBIS (1400 - 1700)										
<b>PROG= 10 1-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 95 10-time(s) 150.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 500ms Obs 1x1 384x384 (1024, 1024) Q=90 3 0 2.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 1.00s Obs 1x1 384x384 (1024, 1024) Q=90 3 0 2.0sec												
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn= 43 1-time(s) 4.0sec												
└─ thin-Be/Open thin-Be/Open close Safe Norm 64.0s Obs 1x1 384x384 (1024, 1024) Q=90 0 0 2.0sec												
└─ Seqn= 36 1-time(s) 4.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 4.00s Obs 1x1 384x384 (1024, 1024) DPCM 0 0 2.0sec												
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #159C: Synoptic Q90 2x2 - Al/poly(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16)												
Term	Pointing (x, y)	Comment										
07/29 18:21:00 - 07/29 18:28:54	Fixed ( 0.0, 0.0)	synoptic, shifted 19.0 min										
07/30 18:02:00 - 07/30 18:09:54	Fixed ( 0.0, 0.0)	synoptic										
<b>PROG= 09 1-time(s)</b>												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 59 1-time(s) 4.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Al-poly/Open Al-poly/thick-Al close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Seqn= 72 1-time(s) 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Seqn= 9 1-time(s) 4.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Seqn= 46 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #152F: G-Band Alignment with North Pole Q90 2x2(G-band only) - 8min cadence												
Term	Pointing (x, y)	Comment										
07/29 18:44:00 - 07/29 20:29:54	Fixed ( 0.0, 945.0)	Coalignment N-limb										
<b>PROG= 19 1-time(s)</b>												
└─ Subr= 1 1-time(s) 360.0sec												
└─ Seqn= 58 13-time(s) 480.0sec												
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x1536 (1024, 768) Q=90 0 0 2.0sec												
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1530: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8 min cadence												
Term	Pointing (x, y)	Comment										
07/29 20:45:00 - 07/29 22:34:00	Fixed ( -945.0, 0.0)	Coalignment E-limb										
<b>PROG= 07 1-time(s)</b>												
└─ Subr= 1 1-time(s) 360.0sec												
└─ Seqn= 30 13-time(s) 480.0sec												
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 1536x2048 (1280, 1024) Q=90 0 0 2.0sec												
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1590: Synoptic Q90 2x2 - Al/mesh(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16)												
Term	Pointing (x, y)	Comment										
07/30 06:06:30 - 07/30 06:14:24	Fixed ( 0.0, 0.0)	synoptic, shifted 4.5 min										
07/31 06:15:00 - 07/31 06:22:54	Fixed ( 0.0, 0.0)	synoptic, shifted 13.0 min										
<b>PROG= 18 1-time(s)</b>												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 50 1-time(s) 4.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Seqn= 72 1-time(s) 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Seqn= 9 1-time(s) 4.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Seqn= 46 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1576: Polar Plume - Al/Mesh, Al/Poly, C/Poly - 512x512 -10min cadence-long exposure												
Term		Pointing (x, y)					Comment					
07/30 18:59:20 - 07/30 19:55:00		Fixed ( 0.0, 900.0)					Noth pole obs. 1.5 day before eclipse					
<b>PROG= 20 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 600.0sec												
└─ Seqn= 88 1-time(s) 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 16.0s Obs 1x1 512x512 (1024, 1024) Q=90 0 0 36.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 32.0s Obs 1x1 512x512 (1024, 1024) Q=90 0 0 36.0sec												
└─ C-poly/Open thin-Be/Open close Safe Norm 45.2s Obs 1x1 512x512 (1024, 1024) Q=90 0 0 36.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #159E: Polar Plume - Al/Mesh(30s cadence), C/Poly(10min cad) - 512x512-rev-kano_test												
Term		Pointing (x, y)					Comment					
07/30 20:35:20 - 07/30 21:33:30		Fixed ( 0.0, 900.0)					Noth pole obs. 1.5 day before eclipse					
<b>PROG= 14 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 602.0sec												
└─ Seqn= 15 20-time(s) 30.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 11.3s Obs 1x1 512x512 (1024, 1024) Q=90 0 0 2.0sec												
└─ Subr= 2 1-time(s) 6.0sec												
└─ Seqn= 47 1-time(s) 4.0sec												
└─ C-poly/Open C-poly/thick-Al close Safe Norm 32.0s Obs 1x1 512x512 (1024, 1024) Q=90 0 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1553: CCD calibration: Dark and Diffuser with Low Rate												
Term		Pointing (x, y)					Comment					
07/31 06:25:26 - 07/31 07:12:00		Fixed ( 0.0, 0.0)					synoptic, shifted 13.0 min					
<b>PROG= 17 2-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 75 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Dark 63ms Cal 1x1 2176x2112 (----, ----) Q=98 0 0 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 63ms Cal 1x1 2176x2112 (----, ----) Q=90 0 0 2.0sec												
└─ Open/G-band Open/G-band close Safe Dark 8.00s Cal 1x1 2176x2112 (----, ----) Q=98 0 0 2.0sec												
└─ Open/G-band Open/G-band close Safe Norm 8.00s Cal 1x1 2176x2112 (----, ----) Q=90 0 0 2.0sec												
└─ Seqn= 67 1-time(s) 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 1.00s Obs 1x1 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 32.0s Obs 1x1 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 1.00s Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 32.0s Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 1.00s Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 32.0s Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

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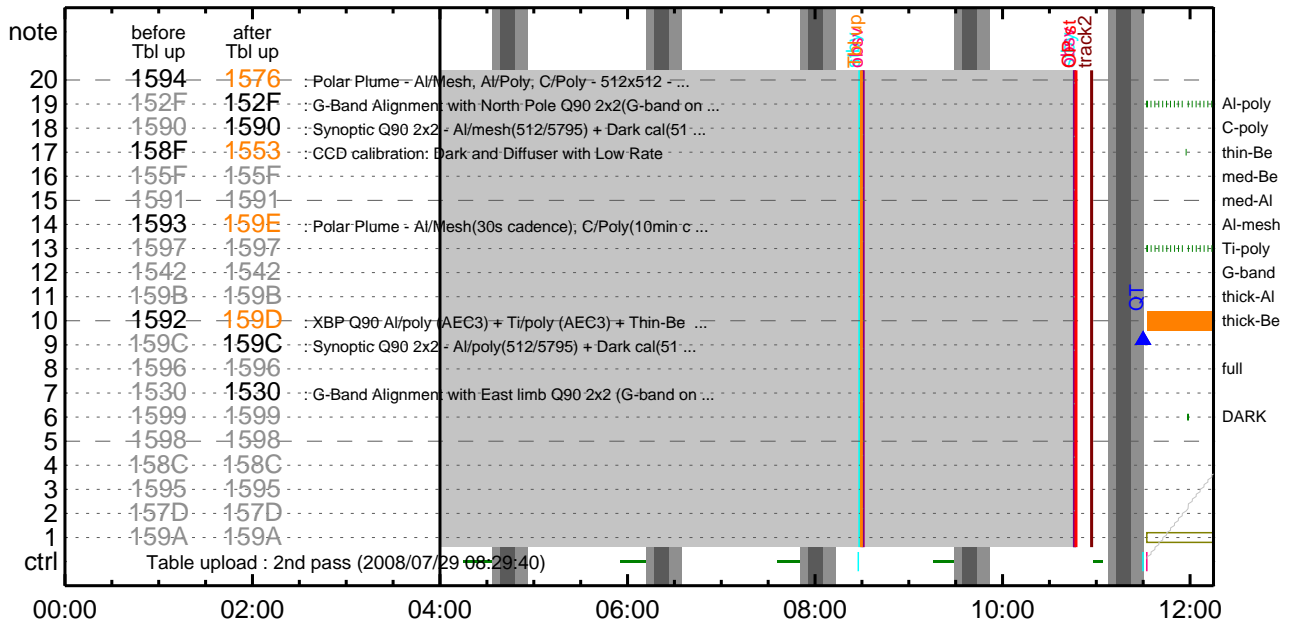
* * * * *           Flare mode           * * * * *
                        NOT USED

* * * * *           Active Region Search   * * * * *
                        NOT USED

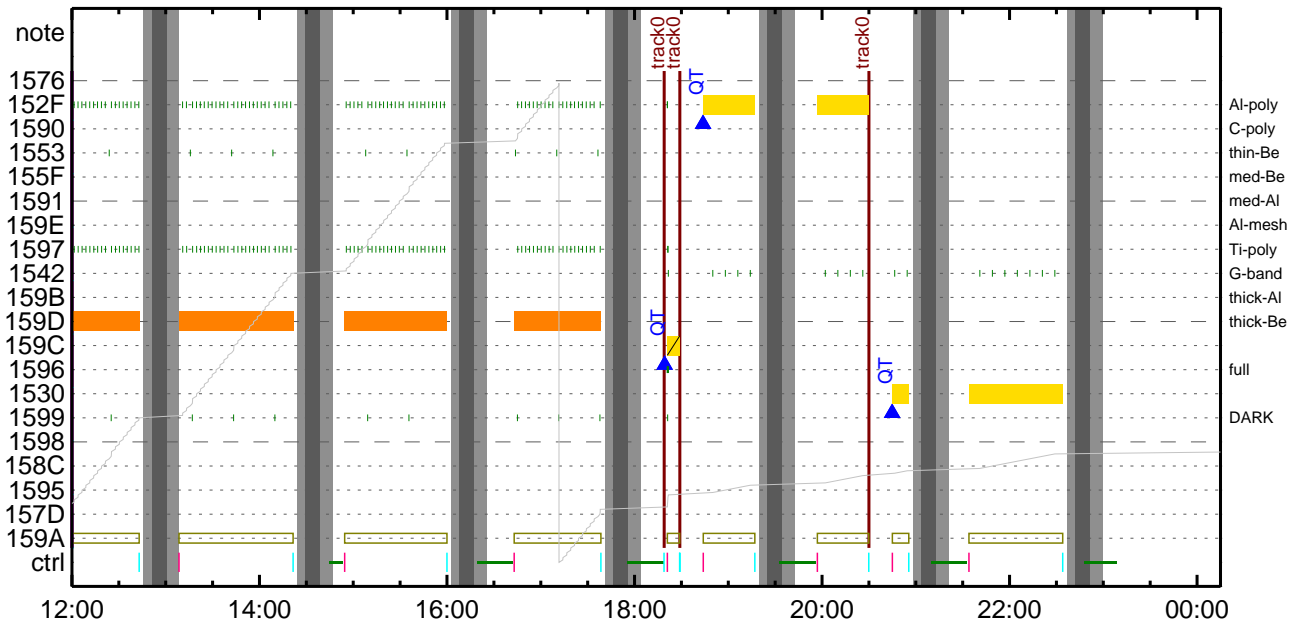
* * * * *           Flare Detection        * * * * *
                        NOT USED

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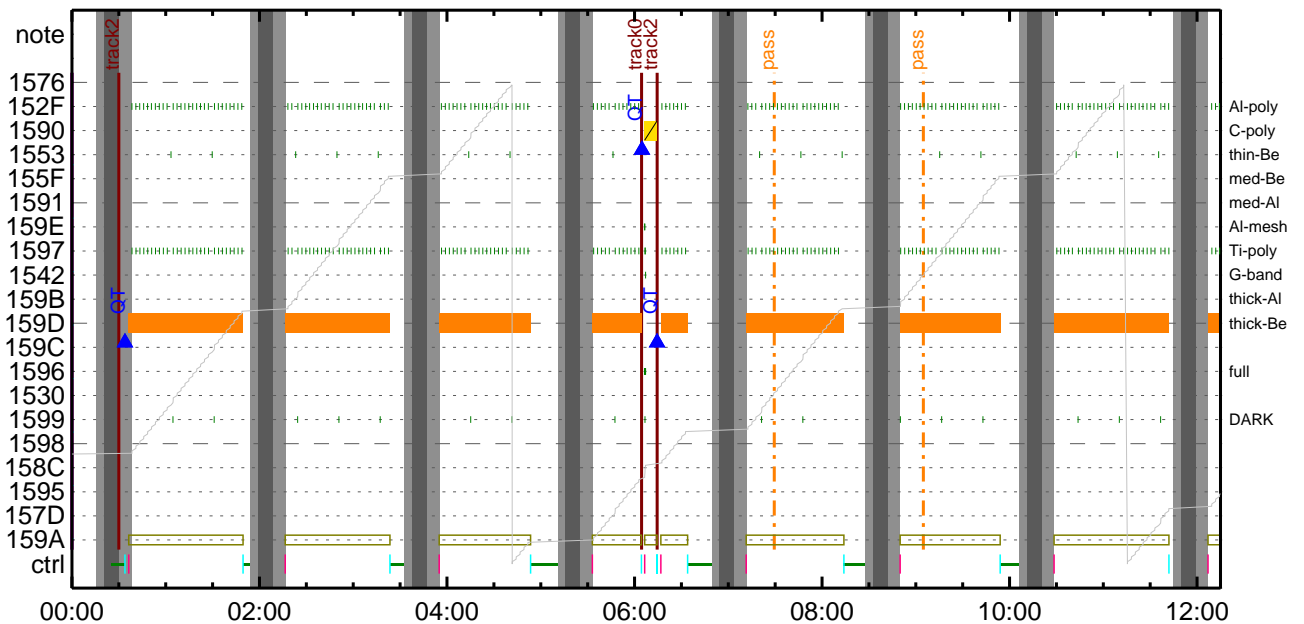
### CMDI #0059 2008/07/29



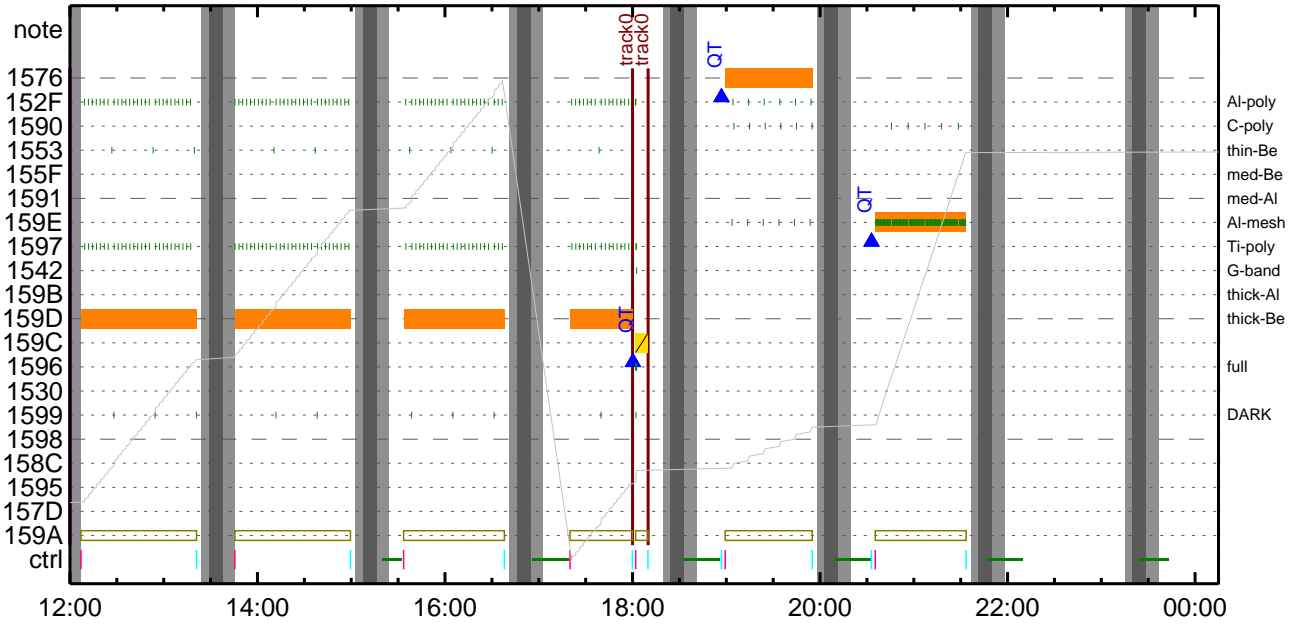
### CMDI #0059 2008/07/29



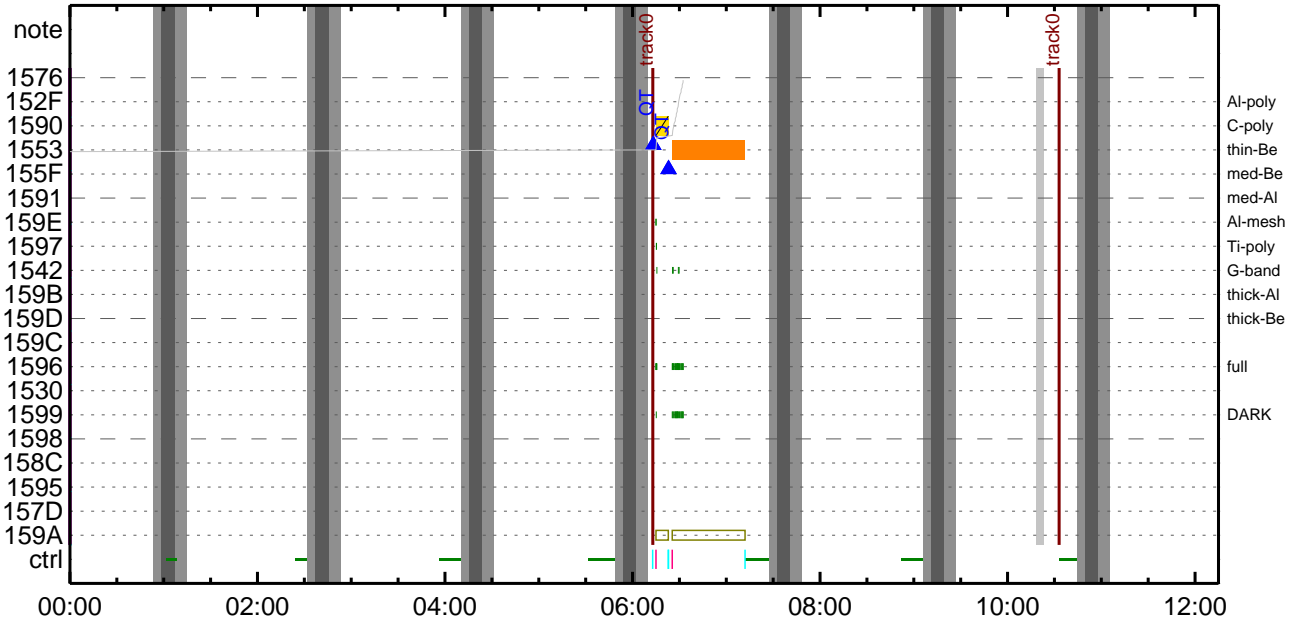
### CMDI #0059 2008/07/30



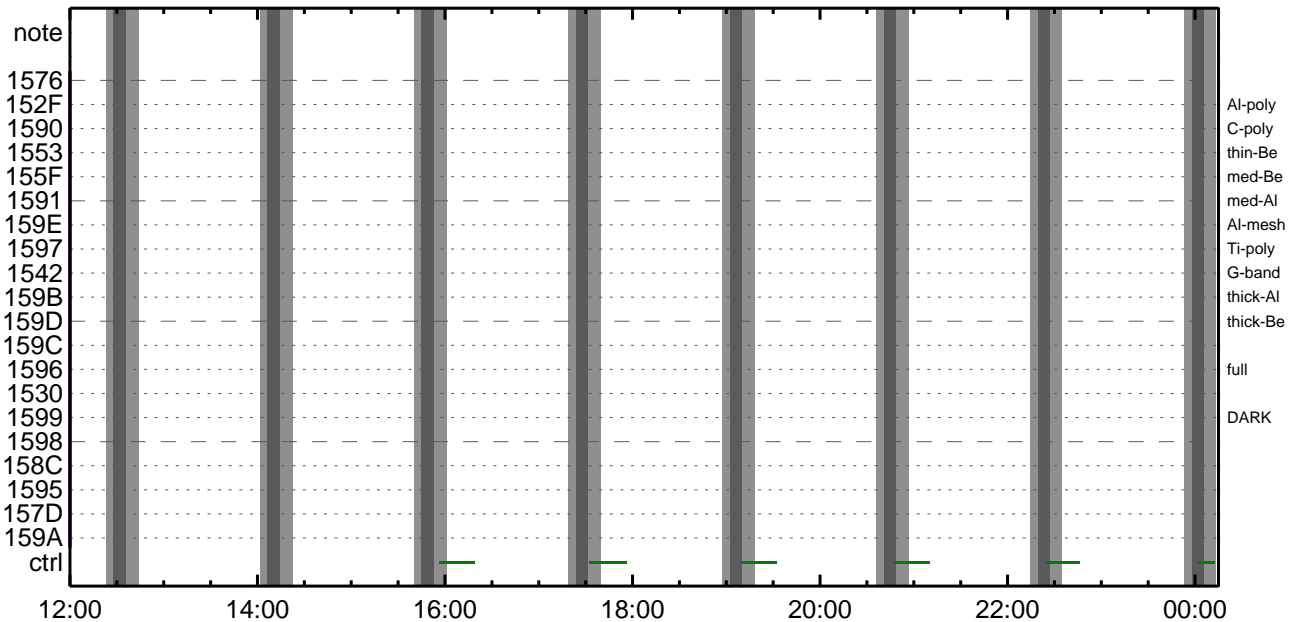
CMDI #0059 2008/07/30



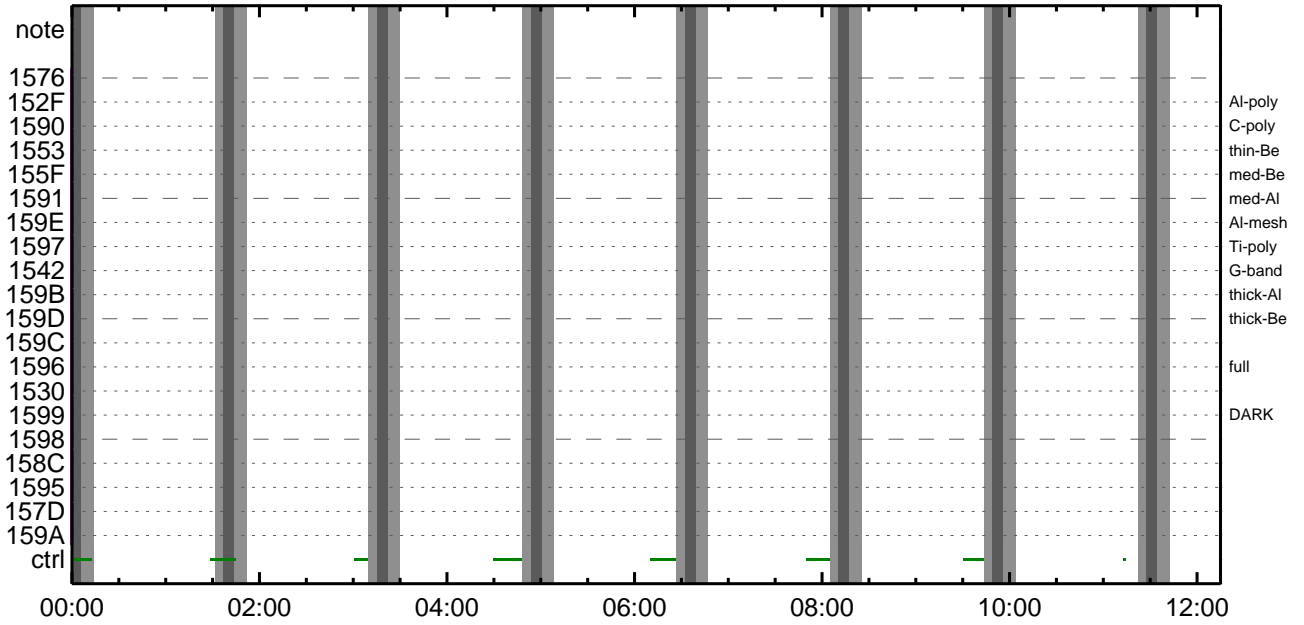
CMDI #0059 2008/07/31



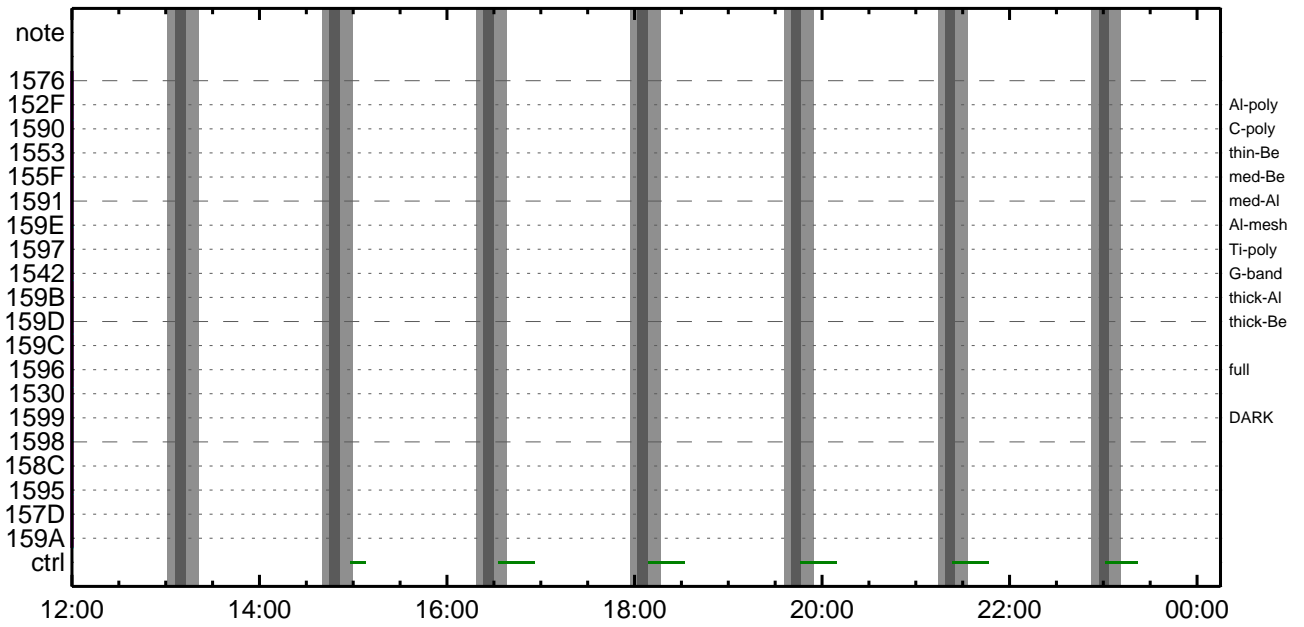
CMDI #0059 2008/07/31



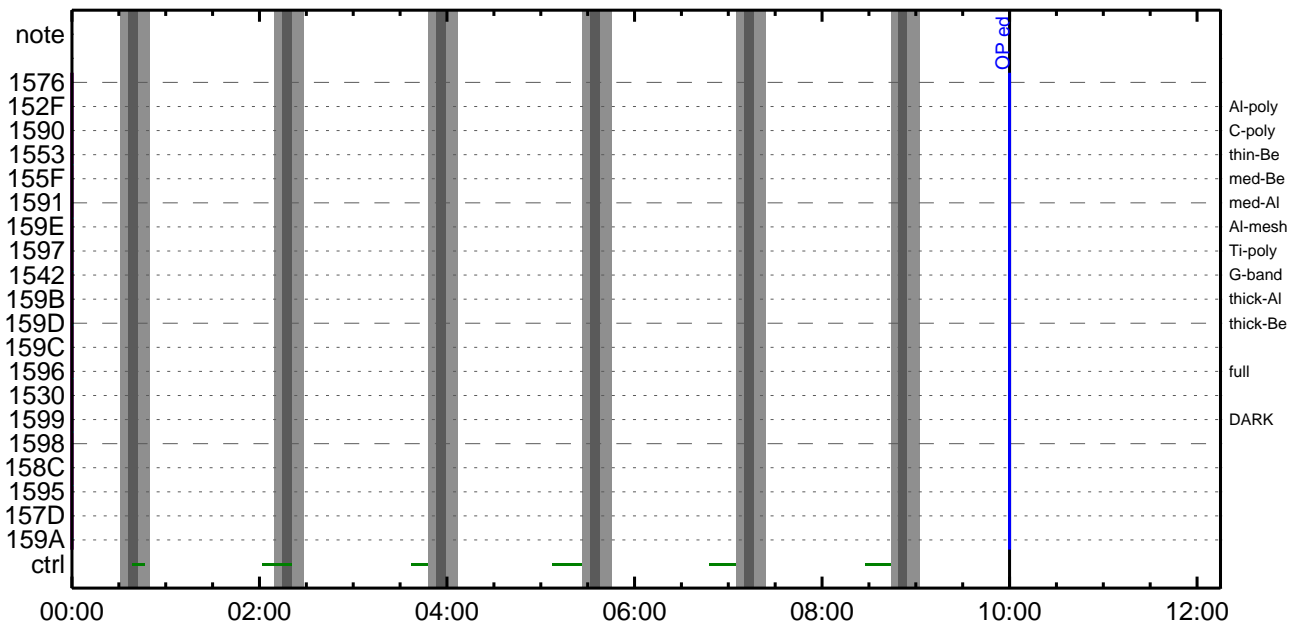
CMDI #0059 2008/08/01



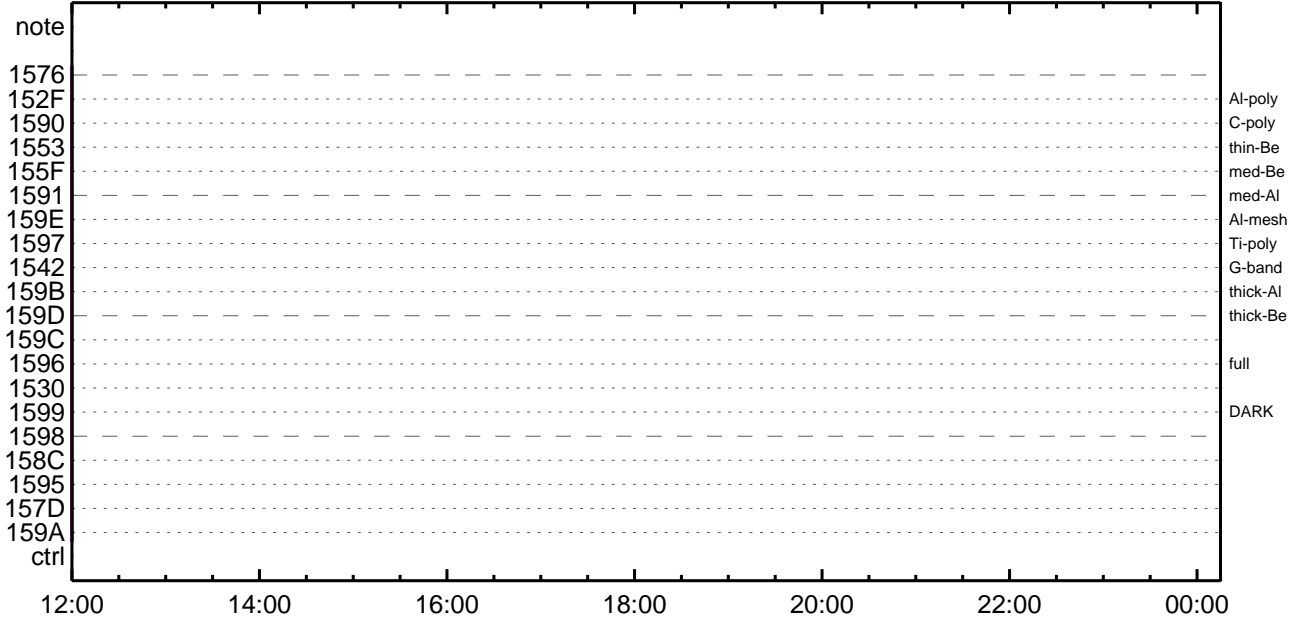
CMDI #0059 2008/08/01



CMDI #0059 2008/08/02



CMDI #0059 2008/08/02





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0096 C.          SET EDUMP I±°iYÑY¹aÇ¹Oa|a³aE;f
0097 C.
0098 C. TIY³YF¥ÖYÉaðdÄDİ¿(UT)
0099 +. TI 2008-07-29 10:42:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2008-07-29 10:42:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2008-07-29 10:42:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2008-07-29 10:46:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C. °E²¼aİÄè%îİÑaİYÁY§YÄY-¹àİÜ
0116 C.          çç[HK1_TI_CMD_ENA/DIS]       EQ          ENA
0117 C.          çç[HK1_TI_CMD_NUM]         EQ          4
0118 C.          çç[HK1_NEXT_EXEC_PIM]      EQ          DHU
0119 C.          çç[HK1_NEXT_EXEC_DC]      EQ          0xB3
0120 C.
0121 C. *****
0122 C. TIİİ°èYÄYÖY×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC          (03 ab 03 01 02)
0128 C.          çç[HK1_DMP_TOP_ADRS_1]     EQ          07
0129 C.          çç[HK1_DMP_TOP_ADRS_0]     EQ          2B
0130 C.          çç[HK1_DMP_BLOCK_NUM]      EQ          3
0131 C.          çç[HK1_DMP_REPEAT_NUM]     EQ          0
0132 C.          çç[HK1_DMA_DMP_PIM]       EQ          DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC          (07 0b f8)
0135 C.          çç[HK1_PKT_FORM_NO]        EQ          7
0136 C.          çç[HK1_PKT_GEN_TIME]       EQ          0.25 s
0137 C.          çç[HK1_S_TLM_BIT_RATE]     EQ          32k
0138 C.          çç[HK1_X_TLM_BIT_RATE]    EQ          4M
0139 C.          çç[HK1_DMP_CHK_FLG]       EQ          EXEC
0140 C.
0141 C. YÄYÖY×½ªİ»að³İÇ§
0142 C.          çç[HK1_DMP_CHK_FLG]       EQ          NON
0143 C.
0144 C. RAM ID=TI_TBLaİ%È¹Ç•è²İOKað³İÇ§
0145 C.
0146 C. DHUYâ;¼YÉ;È¼Y½,¥i;¼YÈ;Èaðİáa¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC          (02 0a f8)
0149 C.          çç[HK1_PKT_FORM_NO]        EQ          2
0150 C.          çç[HK1_PKT_GEN_TIME]       EQ          0.5S
0151 C.          çç[HK1_S_TLM_BIT_RATE]     EQ          32K
0152 C.          çç[HK1_X_TLM_BIT_RATE]    EQ          4M
0153 C.
0154 C. Stop EIS observation and temporarily disable EIS mode changes
0155 C.
0156 C.
0157 C. ***** Start EIS operation (TI set) *****
0158 C. Execute, after the success of OP upload.
0159 C. Set EIS TI-commands
0160 +. TI 2008-07-29 10:46:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC          (21 02)
0163 +. TI 2008-07-29 10:46:40.0
0164 DC 07-FC EIS_MODE_CHG_DIS
0165 BC          (22)
0166 C.          [ ] [HK1_TI_CMD_NUM]      EQ          2 COUNTUP
0167 C. ***** End EIS operation (TI set) *****
0168 C.
0169 C.
0170 C.
0171 C. ***** XRT START *****
0172 C. Execute, after the success of OP upload.
0173 +. TI 2008-07-29 10:46:00.0
0174 DC 07-F0 MDP_XRT_MODE_STBY
0175 BC          (c3)
0176 C.          [ ] [HK1_TI_CMD_NUM]      EQ          1COUNTUP
0177 C.
0178 C. ***** XRT END *****
0179 C. *****
0180 C. SOT TI command set
0181 C. *****
0182 C. Execute, after the success of OP upload.
0183 +. TI 2008-07-29 10:46:16.0
0184 DC 07-F0 MDP_SOT_MODE_STBY
0185 BC          (41)
0186 C. -----
0187 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0188 C. -----
0189 C. ***** SOT END *****
0190 C.
0191 C. ***** MDP `úÃİaİ»ö¼YaÈÄa¹aèDCBC•×²è *****
0192 C. (¼a°İYÖYÄYÉYB¥EYÁYÇYèaÈ%¼a¼Ä»Üa¹aé)
0193 C. S. DC-BC dcbc-402:DCBC

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0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 C.
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0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. ***** AOCs Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 + DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 7658217.7 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139 +. DC 07-FC EIS_MODE_MANU
0140 BC (21 02)
0141 . C. Verify EIS in MANUAL mode
0142 . C. Estimated OBSTBL upload time is 27s
0143 C. *****
0144 C. EIS START OBSTBL LOAD
0145 C. *****
0146 . S. RAM ram-820:EIS_OBSTBL
0147 ( )
0148 +. DC 07-FC EIS_DUMP_OBSTBL
0149 BC (07 07 07 00 00 70 00)
0150 C.
0151 C. Execute, after the success of OBSTBL upload.
0152 C. Set EIS TI-commands
0153 +. TI 2008-07-29 10:46:50.0
0154 DC 07-FC EIS_MODE_CHG_ENA
0155 BC (20)
0156 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0157 C. *****
0158 C. EIS END OBSTBL LOAD
0159 C. *****
0160 C.
0161 C. ***** XRT START *****
0162 C.
0163 +. DC 07-F0 MDP_XRT_CTRL_MANU
0164 BC (c1)
0165 + DC 07-F0 MDP_XRT_MODE_STBY
0166 BC (c3)
0167 . C. ----- Success Verify ? OK / NG____
0168 C.
0169 C. XRT Obs. Table Upload
0170 . S. RAM ram-291:MDP_OBS_X
0171 ( )
0172 C.
0173 +. DC 07-F0 MDP_DUMP_XRTTBL
0174 BC (84 07 00 00 00 3a d4)
0175 . C. ----- Comparison Check ? OK / ERR ____
0176 C.
0177 C.
0178 +. DC 07-F0 MDP_XRT_ROI_SET
0179 BC (cd 01 b1 b1 04 04)
0180 + DC 07-F0 MDP_XRT_ROI_SET
0181 BC (cd 02 b1 b1 08 08)
0182 + DC 07-F0 MDP_XRT_ROI_SET
0183 BC (cd 03 b1 b1 08 08)
0184 + DC 07-F0 MDP_XRT_ROI_SET
0185 BC (cd 04 b1 b1 06 06)
0186 + DC 07-F0 MDP_XRT_ROI_SET
0187 BC (cd 06 80 80 06 06)
0188 + DC 07-F0 MDP_XRT_ROI_SET
0189 BC (cd 07 80 80 20 20)
0190 + DC 07-F0 MDP_XRT_ROI_SET
0191 BC (cd 08 80 60 20 18)
0192 + DC 07-F0 MDP_XRT_ROI_SET
0193 BC (cd 09 a0 80 18 20)

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0194 + DC 07-F0 MDP_XRT_ROI_SET
0195 BC (cd 0a 80 80 08 08)
0196 + DC 07-F0 MDP_XRT_ROI_SET
0197 BC (cd 0f 80 80 06 06)
0198 + DC 07-F0 MDP_XRT_ROI_SET
0199 BC (cd 10 80 80 04 04)
0200 . C. ----- Success Verify ? OK / NG ____
0201 C.
0202 C.
0203 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0204 C.
0205 +. DC 07-F0 MDP_XRT_MODE_OBSV
0206 BC (c2)
0207 +. TI 2008-07-29 10:46:02.0
0208 DC 07-F0 MDP_XRT_MODE_OBSV
0209 BC (c2)
0210 . C. ----- Success Verify ? OK / NG ____
0211 C.
0212 C. ***** XRT END *****
0213 C.
0214 . C. ***** MDP 'uAîaî»ö¼ÝaÊAÐa¹aëDCBC•x²è *****
0215 C. (¼â°îÝÖÝÄÝEÝPÝEÝáÝçÝèaE¼aa¼A»Ûa¹aè)
0216 . S. DC-BC dcbc-402:DCBC
0217 (MDP_known_event)
0218 C.
0219 C.
0220 . C. ***** ÝDÝ¹•İ Daily±¿İÑaE´Øa¹aëDCBC•x²è *****
0221 . S. DC-BC dcbc-153:DCBC
0222 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0223 C.
0224 C.
0225 . C. ;ãLOSÝÄÝSÝÄÝ-¼A»Û;ä
0226 C.
0227 . C. ***** LOS *****
0228 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-036 2008-07-29 12:45:58 169 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYAYSYAY^-¼A»Ü;ã
0005 C.
0006 C. YAYB;¼Y³YBYÖYEÄ+z®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èzàâ•µº®Í×ÁÇÖÍYÇYAY×YÍ;¼YÉ;ÈÈè%µ•íÍÈ;È•È¼ºÇÖ••z¼l¹çzã; çÄ®, ùz¹zèzàçÄ+z®••zèzàzàzè; f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+z®µ;ON
0016 C. *****
0017 C. ç“ °ÈÀ, í×ÈYààLOSzàçzãÍ»p´Òzà¹íÍ, zã; çÈÖÍ×zÈXÄÓONzã¹¹Òzèzàzàzàzè; f
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C. çç[HK1_XPA_ON/OFF] EQ ON
0025 C. çç[HK1_XPA_PWR_HI/LO] EQ HI
0026 C. çç[HK1_XMOD_ON/OFF] EQ ON
0027 C. çç[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XÝDYÖYÉYÍYAY^-¼ÖÄÖzà-ºÈÈzã•zçzè; çºÈ²¼zãÍºÈÀ, ¼è¼çzãzà¼Ä¹Òzãzè; f
0030 C.
0031 . C. *****
0032 C. DR PT1 ÁÍ¼iºÈÀ,
0033 C. *****
0034 C. ç“ RESTART;ÈPT1;Èzã•zçzã¼l¹çzã; çºÈ²¼zãÍ¼Ä¹Òzã»º; çDCBC-150zèzèzèzè; f
0035 C.
0036 . C. ;ãPT1ºÈÀ, ³«»Í;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹Ö, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0045 C.
0046 . C. ;ãYçYÖYÈYÈÄÙÄØ;ÈÄ•ÄºöÈð;È, ázãºÈÀ, °È³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹Ö, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1ºÈÀ, zã-¼«ÈºÄã»zã•zçzã; çºÈ²¼zãzà¼Ä¹Òzãzè; f
0055 C. YçYÖYÈYÈÄÙÄØzãÄ•ÄºöÈðzã•zçzã¼l¹çzã; çºÈ²¼zãzãzãzãzèzèzèzèzèzèzè; f
0056 C.
0057 . C. *****
0058 C. DR PT2 ÁÍ¼iºÈÀ,
0059 C. *****
0060 C. ç“ RESTART;ÈPT2;Èzã•zçzã¼l¹çzã; çºÈ²¼zãzãzãzèzèzèzèzèzèzèzèzèzèzèzèzè; f
0061 C.
0062 . C. ;ãPT2ºÈÀ, ³«»Í;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹Ö, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0071 C.
0072 . C. ;ãYçYÖYÈYÈÄÙÄØ;ÈÄ•ÄºöÈð;È, ázãºÈÀ, °È³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹Ö, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DRºÈÀ, Äã»zã; çXÁ+z®µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDRºÈÀ, Äã»zã;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C. çç[HK1_REP_STA/STP] EQ STOP
0087 C. çç[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. çç[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. ;ãXÁ+z®µ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. çç[HK1_XMOD_ON/OFF] EQ OFF
0095 C. çç[HK1_XPA_ON/OFF] EQ OFF
```

```

0096 C.
0097 C.
0098 . C. *****
0099 C. SOT table upload
0100 C. *****
0101 . C. < Stop FG table >
0102 +. DC 07-F0 MDP_FG_CTRL_MANU
0103 BC (51)
0104 . C. -----
0105 C. MDP_FG_CTRL_MODE = MANU [ ]
0106 C. -----
0107 C.
0108 . C. <Upload FG Observation Table>
0109 . S. RAM ram-263:MDP_OBS_F
0110 ( )
0111 C.
0112 . C. < Dump RAMID=MDP_OBS_F >
0113 +. DC 07-F0 MDP_DUMP_FGTBL
0114 BC (82 07 00 00 00 38 b8)
0115 C. -----
0116 C. MDP_OBS_F verify = OK/NG [ ]
0117 C. -----
0118 C.
0119 . C. < Upload DPL table >
0120 C.
0121 C. ¥çYÃ¥×¥í;¼¥É°îÁ°ñÈSTS_CHKñðOFFñÈñ¹ñè
0122 C.
0123 . S. RAM ram-271:MDP_DPL
0124 ( )
0125 C.
0126 . C. < Dump RAMID=MDP_DPL >
0127 +. DC 07-F0 MDP_DUMP_FGTBL
0128 BC (82 07 00 38 b8 00 40)
0129 C. -----
0130 C. MDP_DPL verify = OK [ ]
0131 C. -----
0132 C.
0133 C. STS_CHKñðONñÈñ¹ñè
0134 C.
0135 . C. < Update MDP DSC PAR1 >
0136 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0137 BC (4c)
0138 C. MDP_CMD_CODE = F04C0700[ ]
0139 C. MDP_CMD_CNT (count-up 1) [ ]
0140 C. -----
0141 C.
0142 . C.
0143 C. *****
0144 C. SOT TI command set
0145 C. *****
0146 C. Execute, after the success of TBL upload.
0147 +. TI 2008-07-29 10:46:18.0
0148 DC 07-F0 MDP_SOT_MODE_OBSV
0149 BC (40)
0150 . C. -----
0151 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0152 C. -----
0153 C.
0154 C.
0155 . C. ***** MDP ´úÃîî»ò¼YñÈÁñ¹ñèDCBC•x²è *****
0156 C. (¼ã°îYÓYÃYÉY¥YÉYáYçYèñÈ¼ñ¼Á»Ûñ¹ñè)
0157 . S. DC-BC dcbc-402:DCBC
0158 (MDP_known_event)
0159 C.
0160 C.
0161 . C. ***** ¥D¥¹•İ Daily±¿İÑñÈ´Øñ¹ñèDCBC•x²è *****
0162 . S. DC-BC dcbc-153:DCBC
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164 C.
0165 C.
0166 . C. ;ãLOS¥Á¥S¥Ã¥¹¼Á»Û;ã
0167 C.
0168 . C. ***** LOS *****
0169 C.

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\*\*\* OP Sequence for XRT \*\*\*

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2008/07/29 10:57:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM                    5 02-76 02 00 00 00 00
2008/07/29 11:29:54.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 11:29:56.0 XRT_QT_PROG_SET_449_OG [0x1c1]
                        MDP_XRT_QT_PROG_SET        2 07-F0 c4 0a
2008/07/29 11:31:54.0 XRT_FOCUS_POSITION_441_OG [0x1b9]
                        XRT_FOCUS_POSITION         4 07-F8 22 fe 97 00
2008/07/29 11:32:14.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS            1 07-F0 d5
2008/07/29 11:32:16.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS            1 07-F0 d9
2008/07/29 11:32:18.0 XRT_FLRCTRL_DIS_416_OG [0x1a0]
                        MDP_XRT_FLRCTRL_DIS        1 07-F0 c9
2008/07/29 11:32:20.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/07/29 12:43:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 13:00:30.0 XRT_Custom_421_OG [0x1a5]
2008/07/29 13:08:30.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/07/29 14:21:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 14:53:30.0 XRT_Custom_430_OG [0x1ae]
2008/07/29 14:54:30.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/07/29 16:00:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 16:42:00.0 XRT_Custom_430_OG [0x1ae]
2008/07/29 16:43:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/07/29 17:38:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 18:18:54.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 18:18:56.0 XRT_FOCUS_POSITION_442_OG [0x1ba]
                        XRT_FOCUS_POSITION         4 07-F8 22 ff aa 00
2008/07/29 18:19:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM                    5 02-76 00 00 00 00 00
2008/07/29 18:19:16.0 XRT_QT_PROG_SET_407_OG [0x197]
                        MDP_XRT_QT_PROG_SET        2 07-F0 c4 09
2008/07/29 18:19:18.0 XRT_FLD_DIS_419_OG [0x1a3]
                        MDP_XRT_FLD_DIS            1 07-F0 d9
2008/07/29 18:19:20.0 XRT_FLRCTRL_DIS_447_OG [0x1bf]
                        MDP_XRT_FLRCTRL_DIS        1 07-F0 c9
2008/07/29 18:19:22.0 XRT_ARS_DIS_427_OG [0x1ab]
                        MDP_XRT_ARS_DIS            1 07-F0 d5
2008/07/29 18:21:00.0 XRT_CTRL_AUTO_444_OG [0x1bc]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/07/29 18:28:54.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 18:28:54.5 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 18:29:00.0 AOCs_OrE-point_Start_3_OG [0x099]
                        AOCU_NM                    5 02-76 00 ac 00 00 00
2008/07/29 18:43:32.5 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION         4 07-F8 22 fe 97 00
2008/07/29 18:43:52.5 XRT_QT_PROG_SET_438_OG [0x1b6]
                        MDP_XRT_QT_PROG_SET        2 07-F0 c4 13
2008/07/29 18:43:54.5 XRT_FLD_DIS_419_OG [0x1a3]
                        MDP_XRT_FLD_DIS            1 07-F0 d9
2008/07/29 18:43:56.5 XRT_FLRCTRL_DIS_447_OG [0x1bf]
                        MDP_XRT_FLRCTRL_DIS        1 07-F0 c9
2008/07/29 18:43:58.5 XRT_ARS_DIS_418_OG [0x1a2]
                        MDP_XRT_ARS_DIS            1 07-F0 d5
2008/07/29 18:44:00.5 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/07/29 19:17:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 19:56:00.0 XRT_Custom_430_OG [0x1ae]
2008/07/29 19:57:00.5 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/07/29 20:29:54.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 20:30:00.5 AOCs_OrE-point_Start_4_OG [0x09a]
                        AOCU_NM                    5 02-76 00 00 00 54 00
2008/07/29 20:44:32.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION         4 07-F8 22 fe 97 00
2008/07/29 20:44:52.0 XRT_QT_PROG_SET_404_OG [0x194]
                        MDP_XRT_QT_PROG_SET        2 07-F0 c4 07
2008/07/29 20:44:54.0 XRT_FLD_DIS_419_OG [0x1a3]
                        MDP_XRT_FLD_DIS            1 07-F0 d9
2008/07/29 20:44:56.0 XRT_FLRCTRL_DIS_447_OG [0x1bf]
                        MDP_XRT_FLRCTRL_DIS        1 07-F0 c9
2008/07/29 20:44:58.0 XRT_ARS_DIS_418_OG [0x1a2]
                        MDP_XRT_ARS_DIS            1 07-F0 d5
2008/07/29 20:45:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/07/29 20:55:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2008/07/29 21:33:00.0 XRT_Custom_430_OG [0x1ae]

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## XRT\_OGLIST\_0059.chk

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2008/07/29	21:34:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/29	22:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	00:30:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02 00 00 00 00				
2008/07/30	00:33:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	00:33:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a				
2008/07/30	00:35:54.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2008/07/30	00:36:14.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/07/30	00:36:16.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/07/30	00:36:18.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/07/30	00:36:20.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/30	01:49:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	02:08:30.0	XRT_Custom_421_OG [0x1a5]							
2008/07/30	02:16:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/30	03:23:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	03:47:00.0	XRT_Custom_421_OG [0x1a5]							
2008/07/30	03:55:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/30	04:53:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	05:25:00.0	XRT_Custom_421_OG [0x1a5]							
2008/07/30	05:33:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/30	06:04:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	06:04:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/07/30	06:04:30.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2008/07/30	06:04:46.0	XRT_QT_PROG_SET_424_OG [0x1a8]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2008/07/30	06:04:48.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/07/30	06:04:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/07/30	06:04:52.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/07/30	06:06:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/30	06:14:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	06:14:24.5	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	06:14:26.5	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a				
2008/07/30	06:14:30.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02 00 00 00 00				
2008/07/30	06:16:24.5	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2008/07/30	06:16:44.5	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/07/30	06:16:46.5	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/07/30	06:16:48.5	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/07/30	06:16:50.5	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/30	06:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	07:03:30.0	XRT_Custom_421_OG [0x1a5]							
2008/07/30	07:11:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/30	08:14:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	08:42:00.0	XRT_Custom_421_OG [0x1a5]							
2008/07/30	08:50:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/30	09:54:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	10:20:30.0	XRT_Custom_421_OG [0x1a5]							
2008/07/30	10:28:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/30	11:42:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	11:59:00.0	XRT_Custom_421_OG [0x1a5]							
2008/07/30	12:07:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/30	13:21:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/30	13:37:30.0	XRT_Custom_421_OG [0x1a5]							
2008/07/30	13:45:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							



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2008/07/30	14:59:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/30	15:32:30.0	XRT_Custom_430_OG [0x1ae]					
2008/07/30	15:33:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/07/30	16:38:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/30	17:19:00.0	XRT_Custom_430_OG [0x1ae]					
2008/07/30	17:20:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/07/30	17:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/30	17:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2008/07/30	18:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]					
			AOCU_NM	5	02-76	00 00 00 00 00	
2008/07/30	18:00:16.0	XRT_QT_PROG_SET_407_OG [0x197]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 09	
2008/07/30	18:00:18.0	XRT_FLD_DIS_419_OG [0x1a3]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/07/30	18:00:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/07/30	18:00:22.0	XRT_ARS_DIS_427_OG [0x1ab]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/07/30	18:02:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/07/30	18:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/30	18:10:00.0	AOCS_OrE-point_Start_5_OG [0x09b]					
			AOCU_NM	5	02-76	00 b0 00 00 00	
2008/07/30	18:56:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/30	18:56:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 14	
2008/07/30	18:58:54.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2008/07/30	18:59:14.0	XRT_ARS_DIS_422_OG [0x1a6]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/07/30	18:59:16.0	XRT_FLD_DIS_445_OG [0x1bd]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/07/30	18:59:18.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/07/30	18:59:20.0	XRT_CTRL_AUTO_403_OG [0x193]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/07/30	19:55:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/30	20:32:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/30	20:32:56.0	XRT_QT_PROG_SET_411_OG [0x19b]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e	
2008/07/30	20:34:54.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2008/07/30	20:35:14.0	XRT_ARS_DIS_422_OG [0x1a6]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/07/30	20:35:16.0	XRT_FLD_DIS_445_OG [0x1bd]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/07/30	20:35:18.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/07/30	20:35:20.0	XRT_CTRL_AUTO_403_OG [0x193]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/07/30	21:33:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/31	06:12:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/31	06:12:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2008/07/31	06:13:00.0	AOCS_OrE-point_Start_2_OG [0x098]					
			AOCU_NM	5	02-76	00 00 00 00 00	
2008/07/31	06:13:16.0	XRT_QT_PROG_SET_424_OG [0x1a8]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 12	
2008/07/31	06:13:18.0	XRT_FLD_DIS_419_OG [0x1a3]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/07/31	06:13:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/07/31	06:13:22.0	XRT_ARS_DIS_427_OG [0x1ab]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/07/31	06:15:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/07/31	06:22:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/31	06:23:00.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/07/31	06:23:02.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 11	
2008/07/31	06:25:00.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2008/07/31	06:25:20.0	XRT_ARS_DIS_422_OG [0x1a6]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/07/31	06:25:22.0	XRT_FLD_DIS_445_OG [0x1bd]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/07/31	06:25:24.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	

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2008/07/31	06:25:26.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/07/31	07:12:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/07/31	10:33:00.0	AOCs_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00 00				