

# XRT Timeline to be uploaded on 2008/06/24

Period: 2008/06/24 10:16:00 - 2008/06/28 10:03:00

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## Normal mode

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<b>XOB #156D: AR multifilter - Al/mesh,Ti/Ploy,Al/Poly,Thin-Be FOV512 AEC1 Q95-high cadence(3min)</b>											
Term	Pointing (x, y)						Comment				
06/24 11:05:02 - 06/24 13:30:00	Track ( 571.9, -86.7) <sup>06/24 10:26:00</sup>	# OP start + 10min, track AR 10999 - EIS compression tests and support JOP 213 (SUMER)									
<b>PROG= 14 Inf.-time(s)</b>											
└─ Subr= 1 1-time(s) 180.0sec											
└─ Seqn= 89 1-time(s) 4.0sec											
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	8.00s	Obs 1x1	512x512 (1024, 1024)	Q=95	1	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	11.3s	Obs 1x1	512x512 (1024, 1024)	Q=95	1	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	8.00s	Obs 1x1	512x512 (1024, 1024)	Q=95	1	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	22.6s	Obs 1x1	512x512 (1024, 1024)	Q=95	1	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

<b>XOB #1562: Synoptic Q90 2x2 - Al/mesh(256/2048) + Dark cal(512 Q98) + Ti-poly(512/5975) + G-band(16)</b>											
Term	Pointing (x, y)						Comment				
06/24 18:06:30 - 06/24 18:14:24	Fixed ( 0.0, 0.0)	synoptic, shifted 4.5 min									
06/25 05:47:00 - 06/25 05:54:54	Fixed ( 0.0, 0.0)	synoptic, shifted manually for EIS; extra time for XRT planning flexibility.									
06/25 18:28:00 - 06/25 18:35:54	Fixed ( 0.0, 0.0)	synoptic, shifted 26.0 min									
06/26 05:59:00 - 06/26 06:06:54	Fixed ( 0.0, 0.0)	synoptic, shifted -3.0 min									
<b>PROG= 16 1-time(s)</b>											
└─ Subr= 1 1-time(s) 2.0sec											
└─ Seqn= 38 1-time(s) 4.0sec											
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs 2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	2.00s	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= 64 1-time(s) 4.0sec											
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs 2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	5.66s	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

<b>XOB #1571: Polar Plume - Al/Mesh(30s cadence), C/Poly(10min cad) - 512x512</b>											
Term	Pointing (x, y)						Comment				
06/24 20:02:00 - 06/24 21:59:30	Fixed ( 0.0, -950.0)	* Multi-satellite Plume Studies (Sterling/Poletto)									
06/25 20:03:30 - 06/25 23:59:54	Fixed ( 0.0, -950.0)	* Multi-satellite plume study.									
<b>PROG= 20 Inf.-time(s)</b>											
└─ Subr= 1 1-time(s) 600.0sec											
└─ 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) 2.0sec											
└─ 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

<b>XOB #1574: Coronal cavity (Al/poly, Ti/poly, Thin Be)-DPCM 2x2-768X768-FOV offset-long exposures</b>											
Term	Pointing (x, y)						Comment				
06/24 22:40:30 - 06/25 00:59:54	Fixed ( 650.0, -700.0)	* Coronal cavity obs.									
06/26 00:02:00 - 06/26 01:54:00	Fixed ( 650.0, -700.0)	* Cavity/prominence obs.									
<b>PROG= 03 Inf.-time(s)</b>											
└─ Subr= 1 1-time(s) 300.0sec											
└─ Seqn= 29 1-time(s) 4.0sec											
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	5.66s	Obs 2x2	768x768 (1152, 904)	DPCM	0	0	2.0sec
└─ Seqn= 66 1-time(s) 2.0sec											
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	11.3s	Obs 2x2	768x768 (1152, 904)	DPCM	0	0	2.0sec
└─ Seqn= 33 1-time(s) 2.0sec											
thin-Be/Open	med-Be/Open	close	Safe	Norm	32.0s	Obs 2x2	768x768 (1152, 904)	DPCM	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

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NOT USED

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## Active Region Search

\* \* \* \* \*

NOT USED

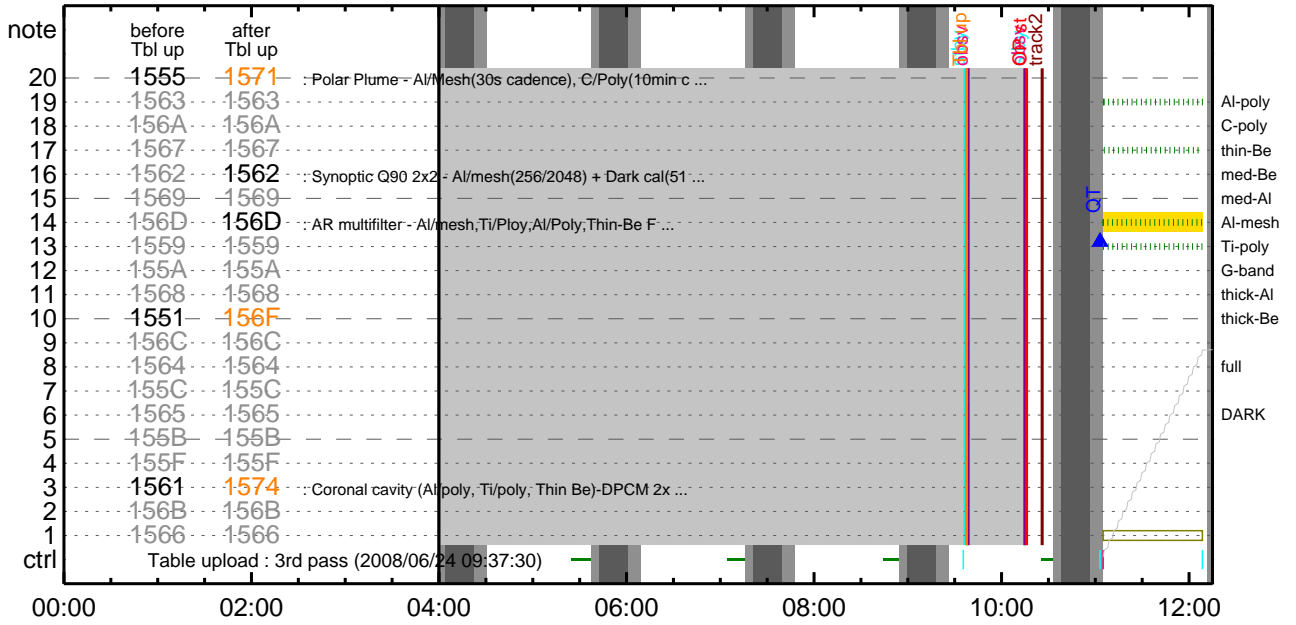
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## Flare Detection

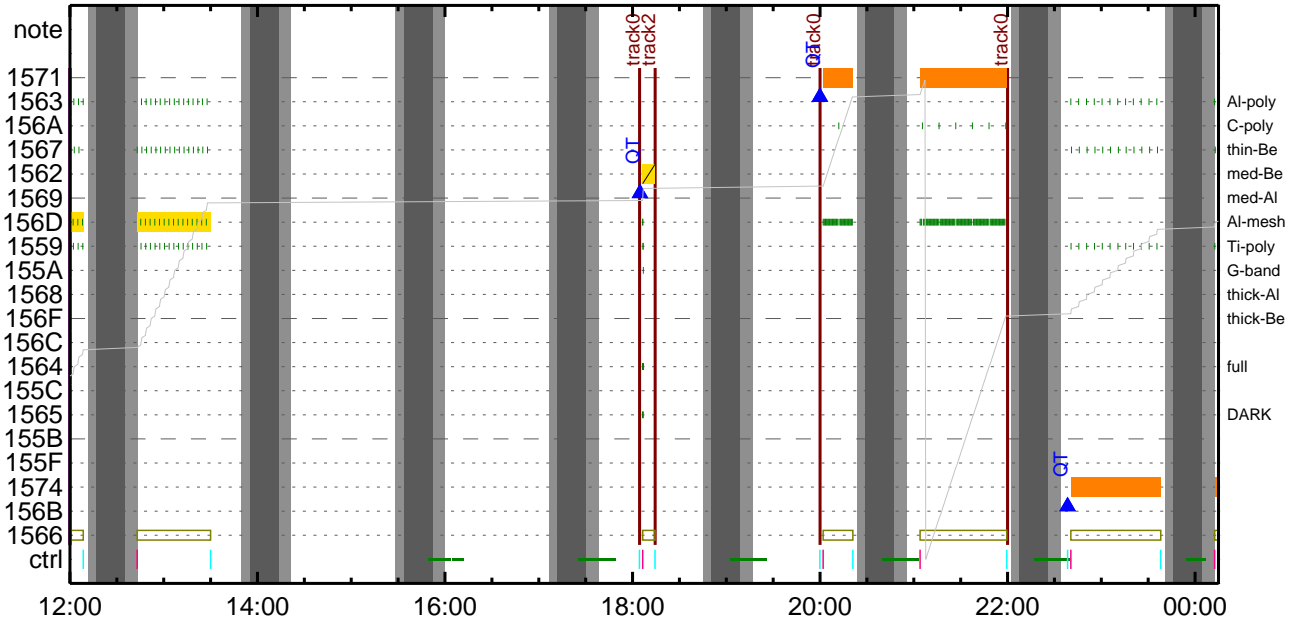
\* \* \* \* \*

NOT USED

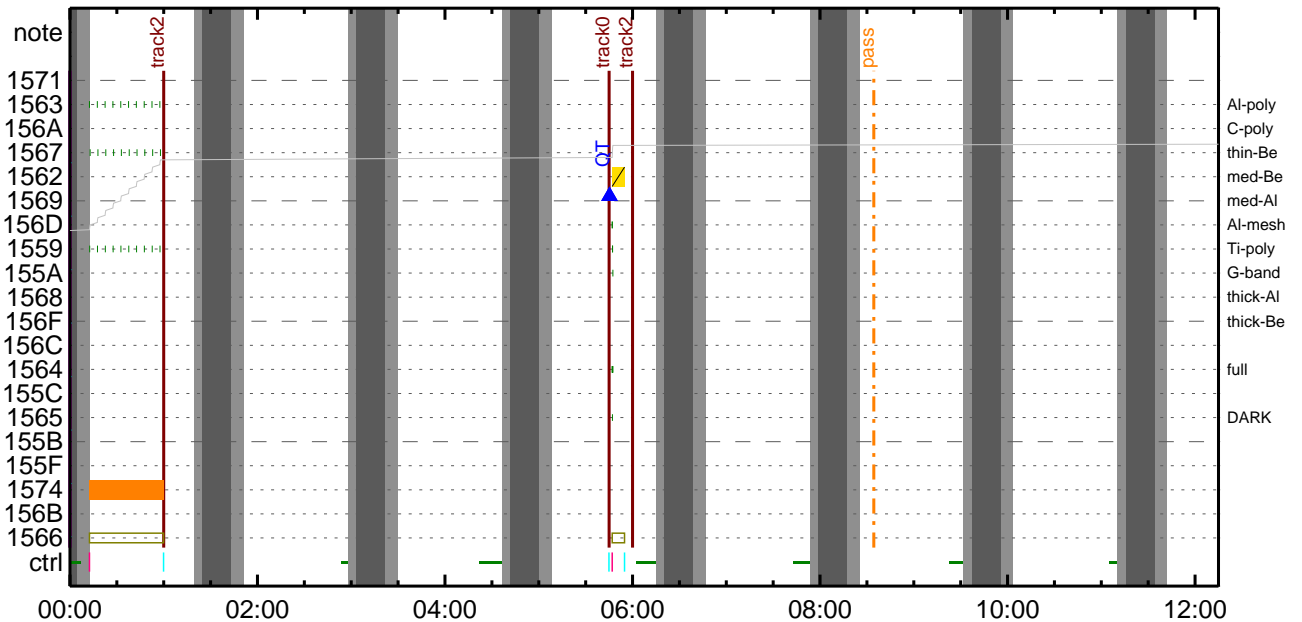
### CMDI #0000 2008/06/24



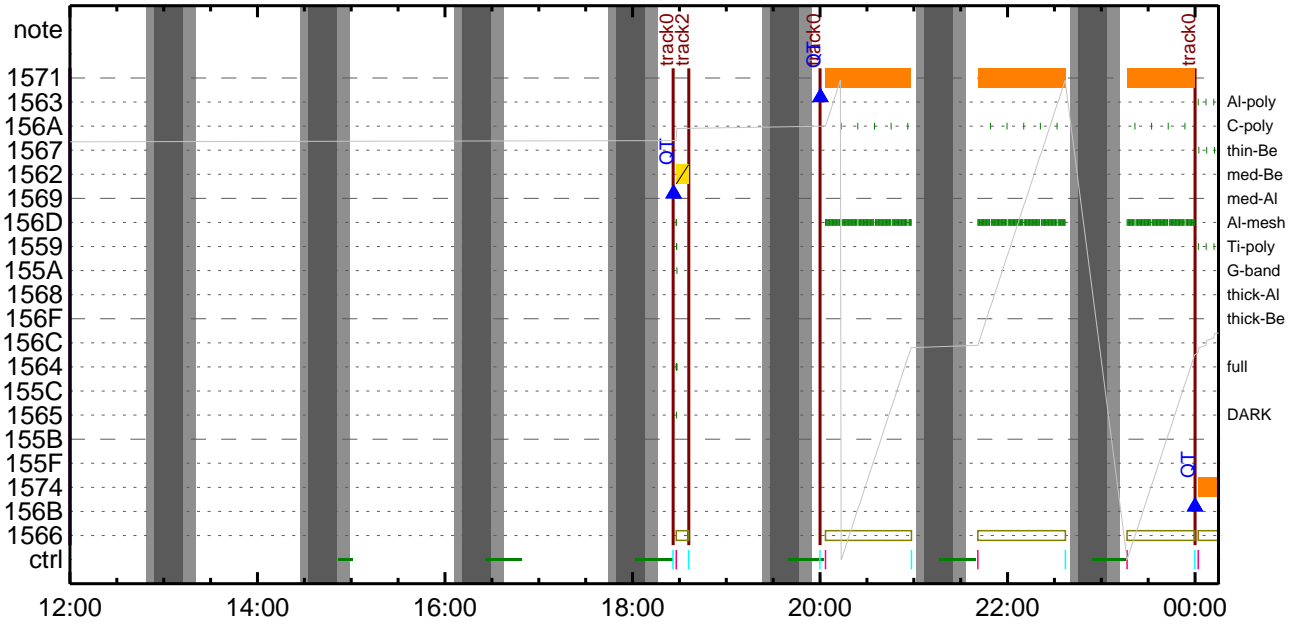
### CMDI #0000 2008/06/24



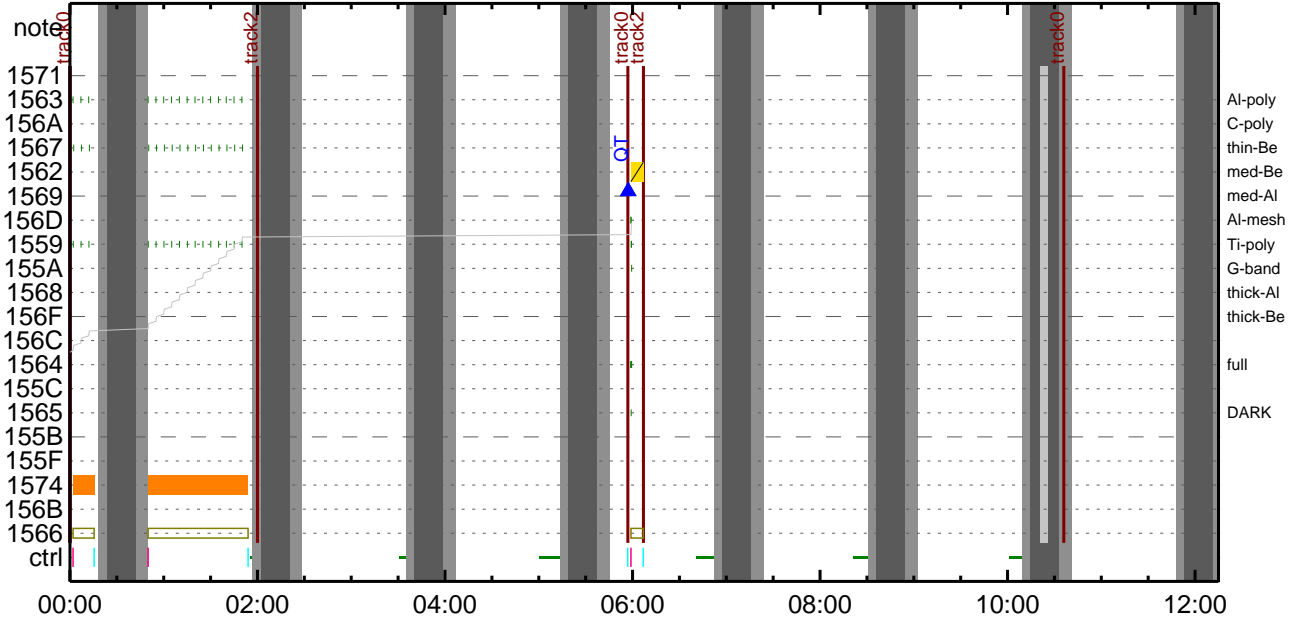
### CMDI #0000 2008/06/25



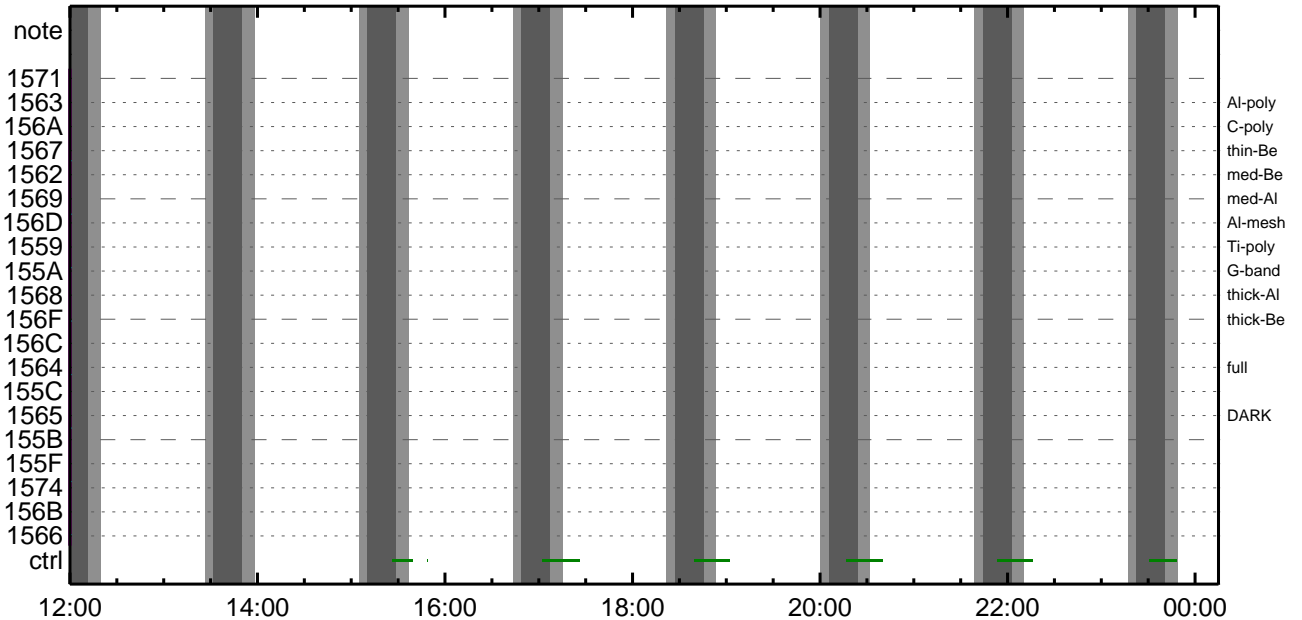
CMDI #0000 2008/06/25



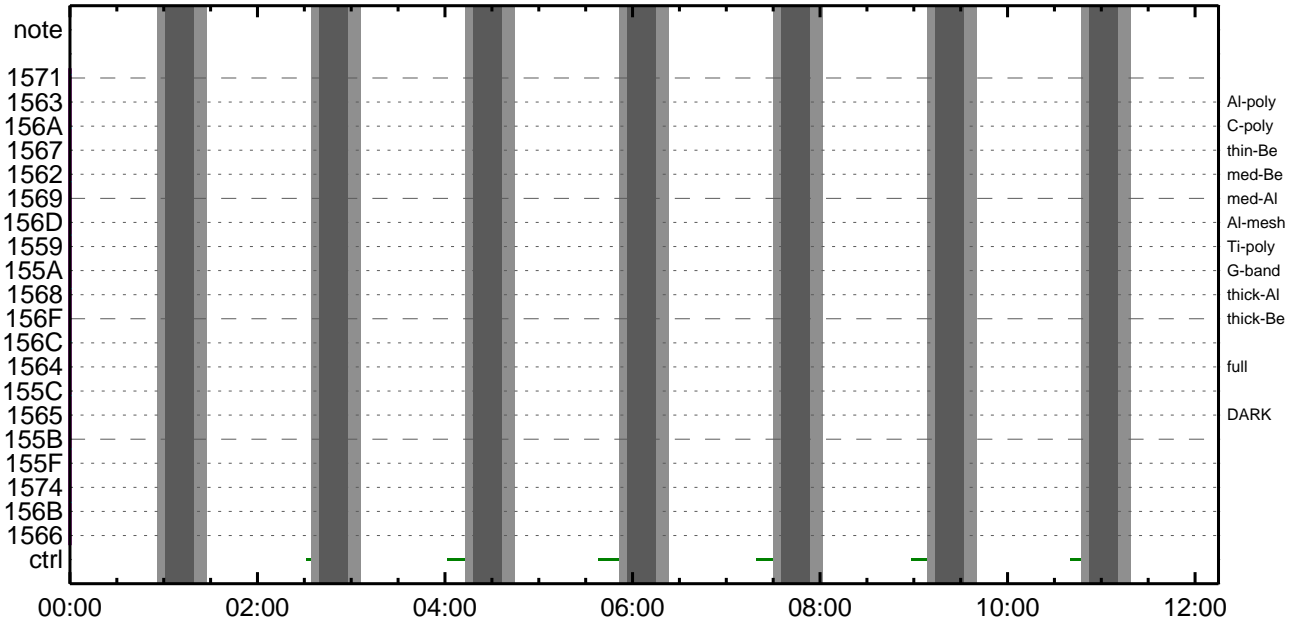
CMDI #0000 2008/06/26



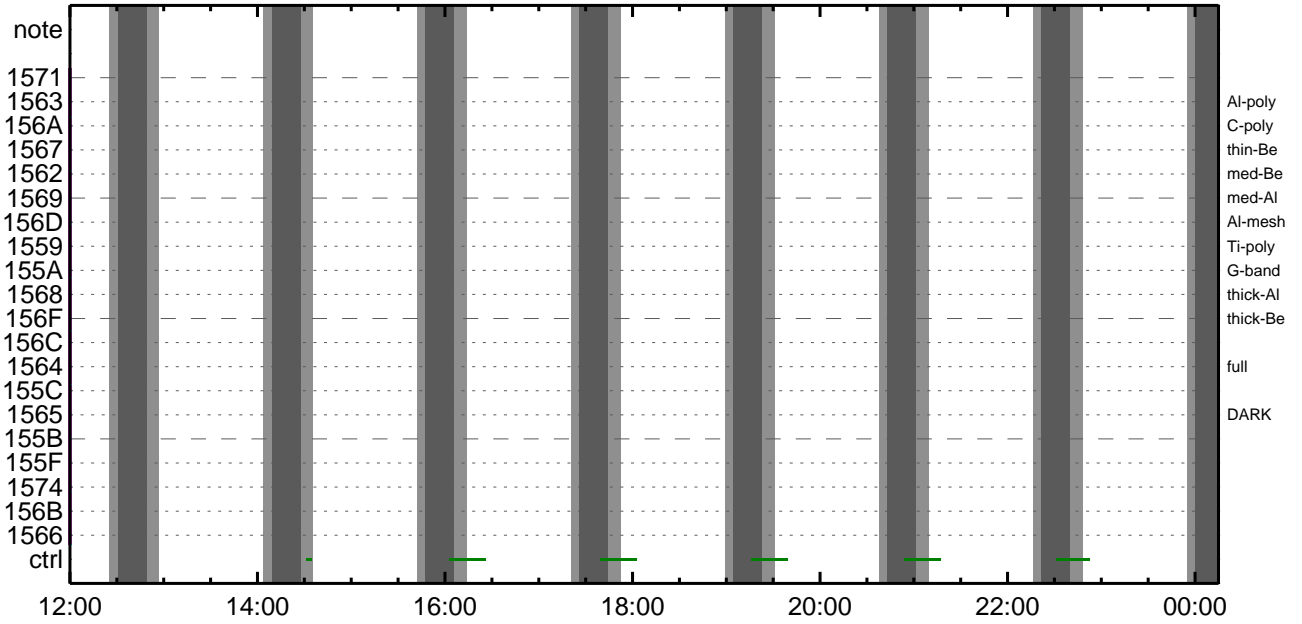
CMDI #0000 2008/06/26



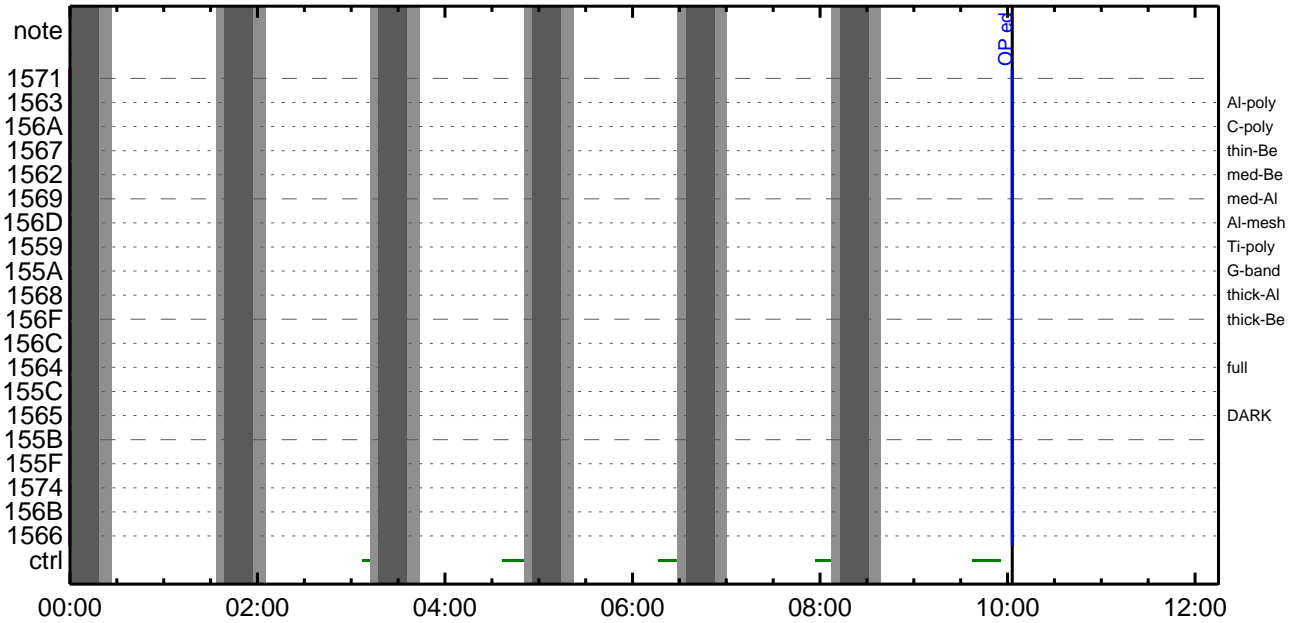
CMDI #0000 2008/06/27

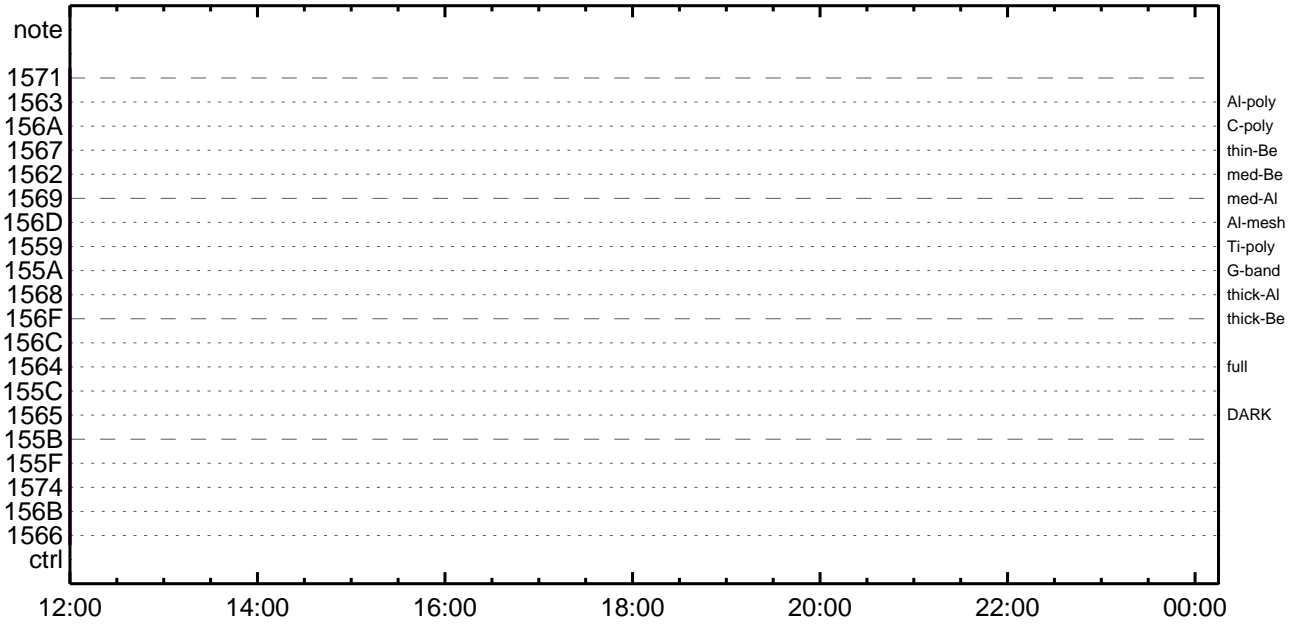


CMDI #0000 2008/06/27



CMDI #0000 2008/06/28





(a) Spacecraft Operation Procedure (real-commands)

```
main-943 2008-06-24 12:49:02 289 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYß;¼Y³YFÿÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èò¿àâ·μ°Ê»Í×ÁÇòÍYçYÁY×YÍ;¼YÉ;ÈÈÈμ·íÉ;ÈòÈ¼°Çò··¿¼l¹çòí;çÀ®, ù¹òÈòÈòÇÁ+¿®··ÈÈòò³òÈ; f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+¿@μ;ON
0016 C. *****
0017 C. ç" °ÈÀ, í×ÈYòàLOSòÈçòí»p`Òòð¹íí, ·, ; çÉÒÍ×òÈXÁÓONòí¹òÈòíòÈòò³òÈ; 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. XYDYÓYÉYíYÁY-¾ÒÃò-òÁÀÈò·¿;ç; ç°È²¼òí°ÈÀ, ¼È¼çòð¼Á¹ò¹òÈ; f
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°ÈÀ,
0033 C. *****
0034 C. ç" RESTART; ÈPT1; Èò·¿¿ò¼l¹çòí; ç°È²¼òí¼Á¹ò¹òÈ; çDCBC-150ò¿¿Èòà; f
0035 C.
0036 . C. ;ãPT1°ÈÀ, 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 (¼Á¹ò, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0045 C.
0046 . C. ;ãYçYÓYÉYÈÀÚÁÛ;ÈÁ·Á°²òÈò; È, àòí°ÈÀ, °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 (¼Á¹ò, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÈÀ, ò-¼«È°Áà»Èò·¿; ç; ç°È²¼ò¼Á¹ò¹òÈ; f
0055 C. YçYÓYÉYÈÀÚÁÛòÈÁ·Á°²òÈò-¼áò¼l¹çòí°í»ò¹òÈòÈòÇÁÓòÀ; f
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°ÈÀ,
0059 C. *****
0060 C. ç" RESTART; ÈPT2; Èò·¿¿ò¼l¹çòí; ç°È²¼òí¼Á¹ò¹òÈ; çDCBC-151ò¿¿Èòà; f
0061 C.
0062 . C. ;ãPT2°ÈÀ, 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 (¼Á¹ò, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0071 C.
0072 . C. ;ãYçYÓYÉYÈÀÚÁÛ;ÈÁ·Á°²òÈò; È, àòí°ÈÀ, °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 (¼Á¹ò, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÈÀ, Áà»È; çXÁ+¿@μ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÈÀ, Áà»È;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+¿@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
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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOYx
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-943:OP
0104 ( )
0105 S. OG og-943:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOYx;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYOYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAYOYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAYOYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½E¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî½A´¶A°EÉ¬òA÷¿@ (¼âµ-YAYOYx½ê½çòðAÓAæç¼ª°¬òE¼i¹çççâ) *****
0167 C. DHUYâ;4YE;E½Y½, Y;|4YE;Eòðîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE |§ OPOG UPLOAD²¬Á÷¿@NG²î½i¹ç;ç°E²¼òîTI-CMDÁ÷¿@²î½A¹Ô²•²E²²²³²E;f
0180 C. ²²²¿;çSET²E²DUMP²îE±²iYNY¹ç¹Ô²|²³²E;f
0181 C.
0182 C. TIY³Y²YOYE²òðAÐî¿(UT)
0183 +. TI 2008-06-24 10:11:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2008-06-24 10:11:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2008-06-24 10:11:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2008-06-24 10:15:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]           EQ      1COUNTUP
0198 C.
0199 C.  °ê²¼ïäë%îîñïîŷÄŷ§ŷÄŷ-¹àîü
0200 C.          çç[HK1_TI_CMD_ENA/DIS]       EQ      ENA
0201 C.          çç[HK1_TI_CMD_NUM]           EQ      4
0202 C.          çç[HK1_NEXT_EXEC_PIM]        EQ      DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]        EQ      0xB3
0204 C.
0205 . C. *****
0206 C. TIîî°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]      EQ      07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]      EQ      2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]       EQ      3
0215 C.          çç[HK1_DMP_REPEAT_NUM]     EQ      0
0216 C.          çç[HK1_DMA_DMP_PIM]        EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]         EQ      7
0220 C.          çç[HK1_PKT_GEN_TIME]        EQ      0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]     EQ      32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]     EQ      4M
0223 C.          çç[HK1_DMP_CHK_FLG]        EQ      EXEC
0224 C.
0225 . C.  ŷÄŷÖŷ×½ªî»ò³îç§
0226 C.          çç[HK1_DMP_CHK_FLG]        EQ      NON
0227 C.
0228 . C. RAM ID=TI_TBLîî¼è¹ç•è²îOKò³îç§
0229 C.
0230 . C. DHUŷä;¼ŷÉ;è¼ŷ¼. ŷî;¼ŷÉ;Èòðîäò¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]         EQ      2
0234 C.          çç[HK1_PKT_GEN_TIME]        EQ      0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]     EQ      32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]     EQ      4M
0237 C.
0238 C. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2008-06-24 10:15:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC      (41)
0245 . C. -----
0246 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 . C. Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C. ***** Start EIS operation (TI set) *****
0253 C. Execute, after the success of OP upload.
0254 C. Set EIS TI-commands
0255 +. TI 2008-06-24 10:15:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2008-06-24 10:15:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC      (22)
0261 . C.          [ ] [HK1_TI_CMD_NUM]       EQ      2 COUNTUP
0262 C. ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2008-06-24 10:15:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC      (c3)
0271 . C.          [ ] [HK1_TI_CMD_NUM]       EQ      1COUNTUP
0272 C.
0273 C. ***** XRT END *****
0274 C.
0275 . C. ***** MDP ´ûÃîäî»ö¼ŷ¼èÄð¹èDCBC•x²è *****
0276 C. (¼ä°îŷÖŷÄŷÉŷŷŷÄŷçŷèè¼¼ò¼¼Ä»Ûò¹è)
0277 . S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 . C. ***** ŷÐŷ¹•î Daily±çîñèÉ'Øò¹èDCBC•x²è *****
0282 . S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 . C. ;ãLOSŷÄŷ§ŷÄŷ-¼Ä»Û;ä
0287 C.
0288 . C. ***** LOS *****
0289 C.

```



(a) Spacecraft Operation Procedure (real-commands)

```
main-944 2008-06-24 12:49:02 91 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÄY$YÄY-¼Ä»Û;ã
0005 C.
0006 C. YÄY$;¼Y³YF¥ÖYÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. ÁíËð¿ðÄð•µ°Æ»Í×ÁÇðíYçYÄY×Yí;¼YÉ;ËÈè¼µ•íÉ;ËðÈ¼°ÇÒð•ð¿¼í¹çðí;çÄ®, ùð¹ðÈððçÄ+¿®ð•ðÈððð³ðÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STs1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCs Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCSDUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 . C. ***** AOCs Commands (Orbital Element Update) *****
0046 C. Update the orbital element
0047 +. DC 02-50 AOCU_ORB_PRPGT_START
0048 BC (16)
0049 +. DC 02-8E AOCU_ORB_UPD
0050 C.
0051 C. <A_ORB>[ORBIT] EPC = 4634195.9 +- 1.0 (s) [ ]
0052 C.
0053 . C.
0054 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0055 +. DC 07-FC EIS_MODE_MANU
0056 BC (21 02)
0057 . C. Verify EIS in MANUAL mode
0058 . C. Estimated OBSTBL upload time is 27s
0059 C. *****
0060 C. EIS START OBSTBL LOAD
0061 C. *****
0062 . S. RAM ram-820:EIS_OBSTBL
0063 ( )
0064 +. DC 07-FC EIS_DUMP_OBSTBL
0065 BC (07 07 07 00 00 70 00)
0066 C.
0067 C. Execute, after the success of OBSTBL upload.
0068 C. Set EIS TI-commands
0069 +. TI 2008-06-24 10:15:50.0
0070 DC 07-FC EIS_MODE_CHG_ENA
0071 BC (20)
0072 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0073 C. *****
0074 C. EIS END OBSTBL LOAD
0075 C. *****
0076 C.
0077 . C. ***** MDP `úÄîðî`ô¼YðÈÄð¹ðÈDCBC•x²è *****
0078 C. (¼á°íYÖYÄYÈYbYÈYáYçYè¼¼ð¼¼Ä»Ûð¹ðè)
0079 . S. DC-BC dcbc-402:DCBC
0080 (MDP_known_event)
0081 C.
0082 C.
0083 . C. ***** YDY¹!Ï Daily±¿íÑðÈ`Øð¹ðÈDCBC•x²è *****
0084 . S. DC-BC dcbc-153:DCBC
0085 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0086 C.
0087 C.
0088 . C. ;ãLOSÄY$YÄY-¼Ä»Û;ã
0089 C.
0090 . C. ***** LOS *****
0091 C.
```



```

0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 + DC 07-F0 MDP_XRT_MODE_STBY
0104 BC (c3)
0105 . C. ----- Success Verify ? OK / NG____
0106 C.
0107 C. XRT Obs. Table Upload
0108 . S. RAM ram-291:MDP_OBS_X
0109 ( )
0110 C.
0111 +. DC 07-F0 MDP_DUMP_XRTTBL
0112 BC (84 07 00 00 00 3a d4)
0113 . C. ----- Comparison Check ? OK / ERR ____
0114 C.
0115 C.
0116 +. DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 01 b1 b1 04 04)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 02 b1 b1 08 08)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 03 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 04 b1 b1 06 06)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 06 80 80 08 08)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 07 80 80 20 20)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 08 90 71 0c 0c)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 0f 80 80 06 06)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 10 80 80 04 04)
0134 . C. ----- Success Verify ? OK / NG ____
0135 C.
0136 C.
0137 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0138 C.
0139 +. DC 07-F0 MDP_XRT_MODE_OBSV
0140 BC (c2)
0141 +. TI 2008-06-24 10:15:02.0
0142 DC 07-F0 MDP_XRT_MODE_OBSV
0143 BC (c2)
0144 . C. ----- Success Verify ? OK / NG ____
0145 C.
0146 C. ***** XRT END *****
0147 . C. *****
0148 C. SOT table upload
0149 C. *****
0150 . C. < Stop FG table >
0151 +. DC 07-F0 MDP_FG_CTRL_MANU
0152 BC (51)
0153 . C. -----
0154 C. MDP_FG_CTRL_MODE = MANU [ ]
0155 C. -----
0156 C.
0157 . C. <Upload FG Observation Table>
0158 . S. RAM ram-266:MDP_OBS_F
0159 ( )
0160 C.
0161 . C. < Dump RAMID=MDP_OBS_F >
0162 +. DC 07-F0 MDP_DUMP_FGTBL
0163 BC (82 07 00 00 00 38 b8)
0164 C. -----
0165 C. MDP_OBS_F verify = OK/NG [ ]
0166 C. -----
0167 C.
0168 . C. < Upload DPL table >
0169 C.
0170 C. ¥ç¥Ã¥×¥í;¼¥É¥î¥°¥¤ESTS_CHK¥¤OFF¥¤Ë¥¤¹¥ë
0171 C.
0172 . S. RAM ram-271:MDP_DPL
0173 ( )
0174 C.
0175 . C. < Dump RAMID=MDP_DPL >
0176 +. DC 07-F0 MDP_DUMP_FGTBL
0177 BC (82 07 00 38 b8 00 40)
0178 C. -----
0179 C. MDP_DPL verify = OK [ ]
0180 C. -----
0181 C.
0182 C. STS_CHK¥¤ON¥¤Ë¥¤¹¥ë
0183 C.
0184 . C. < Update MDP DSC PAR1 >
0185 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0186 BC (4c)
0187 C. MDP_CMD_CODE = F04C0700[ ]
0188 C. MDP_CMD_CNT (count-up 1) [ ]
0189 C. -----
0190 C.
0191 . C.
0192 C. *****
0193 C. SOT TI command set

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```
0194 C. *****
0195 C. Execute, after the success of TBL upload.
0196 +. TI 2008-06-24 10:15:18.0
0197 DC 07-F0 MDP_SOT_MODE_OBSV
0198 BC (40)
0199 . C. -----
0200 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0201 C. -----
0202 C.
0203 C.
0204 . C. ***** MDP 'uAÎaî»ô¼YôEÄDâ¹aèDCBC•x²è *****
0205 C. (¼ã°îYÓYÄYÈYÞYÈYâYçYèaE¼¼a¼A»Üa¹aè)
0206 . S. DC-BC dcbc-402:DCBC
0207 (MDP_known_event)
0208 C.
0209 C.
0210 . C. ***** YDY¹•ï Daily±¿îÑaE'Øa¹aèDCBC•x²è *****
0211 . S. DC-BC dcbc-153:DCBC
0212 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0213 C.
0214 C.
0215 . C. ;ãLOSÄYÄYÄY-¼A»Ü;ã
0216 C.
0217 . C. ***** LOS *****
0218 C.
```

Jun 24, 08 12:49

## XRT\_OGLIST\_0000.chk

Page 1/3

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

2008/06/24	10:26:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02	00	00	00	00
2008/06/24	11:03:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/24	11:03:02.0	XRT_QT_PROG_SET_411_OG [0x19b]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e			
2008/06/24	11:04:34.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/06/24	11:04:54.0	XRT_AEC_RESET_413_OG [0x19d]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2008/06/24	11:04:56.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/06/24	11:04:58.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/06/24	11:05:00.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/06/24	11:05:02.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/24	12:08:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/24	12:35:00.0	XRT_Custom_421_OG [0x1a5]							
2008/06/24	12:43:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/24	13:30:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/24	18:04:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/24	18:04:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2008/06/24	18:04:30.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00
2008/06/24	18:04:46.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	10			
2008/06/24	18:04:48.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/06/24	18:04:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/06/24	18:04:52.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/06/24	18:06:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/24	18:14:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/24	18:14:30.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02	00	00	00	00
2008/06/24	19:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/24	19:59:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2008/06/24	20:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	54	72	00	00
2008/06/24	20:01:34.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/06/24	20:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/06/24	20:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/06/24	20:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/06/24	20:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/24	20:21:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/24	21:03:00.0	XRT_Custom_430_OG [0x1ae]							
2008/06/24	21:04:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/24	21:59:30.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/24	22:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	3e	35	c6	36
2008/06/24	22:38:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/24	22:38:26.0	XRT_QT_PROG_SET_425_OG [0x1a9]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2008/06/24	22:40:24.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/06/24	22:40:26.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/06/24	22:40:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/06/24	22:40:30.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/24	23:38:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/25	00:04:30.0	XRT_Custom_421_OG [0x1a5]							
2008/06/25	00:12:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/25	00:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/25	01:00:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02	00	00	00	00

Jun 24, 08 12:49

## XRT\_OGLIST\_0000.chk

Page 2/3

2008/06/25	05:44:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/25	05:44:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2008/06/25	05:45:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2008/06/25	05:45:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10	
2008/06/25	05:45:18.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/06/25	05:45:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/06/25	05:45:22.0	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/06/25	05:47:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/25	05:54:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/25	06:00:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 00 00 00 00	
2008/06/25	18:25:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/25	18:25:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2008/06/25	18:26:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2008/06/25	18:26:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10	
2008/06/25	18:26:18.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/06/25	18:26:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/06/25	18:26:22.0	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/06/25	18:28:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/25	18:35:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/25	18:36:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 00 00 00 00	
2008/06/25	19:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/25	19:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2008/06/25	20:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 54 72 00 00	
2008/06/25	20:00:16.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14	
2008/06/25	20:03:24.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/06/25	20:03:26.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/06/25	20:03:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/06/25	20:03:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/25	20:58:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/25	21:40:00.0	XRT_Custom_430_OG [0x1ae]					
2008/06/25	21:41:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/25	22:37:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/25	23:15:30.0	XRT_Custom_430_OG [0x1ae]					
2008/06/25	23:16:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/25	23:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/25	23:59:56.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03	
2008/06/26	00:00:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 3e 35 c6 36	
2008/06/26	00:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/06/26	00:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/06/26	00:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/06/26	00:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/26	00:15:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/26	00:42:00.0	XRT_Custom_421_OG [0x1a5]					
2008/06/26	00:50:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/26	01:54:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/26	02:00:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 00 00 00 00	
2008/06/26	05:56:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/26	05:56:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	

Jun 24, 08 12:49

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Page 3/3

2008/06/26	05:57:00.0	AOCS_ORe-point_Start_2_OG [0x098] AOCU_NM	5	02-76	00	00	00	00	00
2008/06/26	05:57:16.0	XRT_QT_PROG_SET_420_OG [0x1a4] MDP_XRT_QT_PROG_SET	2	07-F0	c4	10			
2008/06/26	05:57:18.0	XRT_FLD_DIS_419_OG [0x1a3] MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/06/26	05:57:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/06/26	05:57:22.0	XRT_ARS_DIS_427_OG [0x1ab] MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/06/26	05:59:00.0	XRT_CTRL_AUTO_444_OG [0x1bc] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/26	06:06:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/26	06:07:00.0	AOCS_ORe-point_Start_1_OG [0x097] AOCU_NM	5	02-76	02	00	00	00	00
2008/06/26	10:36:00.0	AOCS_ORe-point_Start_2_OG [0x098] AOCU_NM	5	02-76	00	00	00	00	00