

XRT Timeline to be uploaded on 2009/05/28

Period: 2009/05/28 09:56:00 - 2009/06/02 09:46:00

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Normal mode

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XOB #1694: Al/poly(384x384) Q95-AEC4(8192ms)-1min cadence												
Term	Pointing (x, y)							Comment				
05/28 10:09:02 - 05/28 12:00:00	Track (238.8, -524.5) <small>Ⓢ 05/28 10:06:00</small>	# OP start + 10min, HOP 71 (unill 12 UT officially), horizontal magnetic fields with VTT.										
05/29 06:15:02 - 05/29 11:54:30	Track (369.8, -526.6) <small>Ⓢ 05/29 06:12:00</small>	# Track bright region, with HOP 71 (VTT horizontal fields), from 8:30 - 12:00 UT officially.										
05/30 08:38:02 - 05/30 11:19:54	Track (522.4, -529.5) <small>Ⓢ 05/30 08:35:00</small>	* HOP 71, horizontal fields with VTT.										
PROG= 18 Inf.-time(s)												
└─ Subr= 1 1-time(s) 60.0sec												
└─ Seqn= 57 1-time(s) 4.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs 1x1	384x384 (1024, 1024)	Q=95	4	0	2.0sec	
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #16B6: AR-dynamics -384x384 - C/poly -Thin-Be -AEC 1 - 1 min - Q95												
Term	Pointing (x, y)							Comment				
05/28 12:03:08 - 05/28 17:37:24	Track (238.8, -524.5) <small>Ⓢ 05/28 10:06:00</small>	# OP start + 10min, HOP 71 (unill 12 UT officially), horizontal magnetic fields with VTT.										
05/29 12:23:00 - 05/29 18:03:54	Track (369.8, -526.6) <small>Ⓢ 05/29 06:12:00</small>	# Track bright region, with HOP 71 (VTT horizontal fields), from 8:30 - 12:00 UT officially.										
05/29 18:17:02 - 05/30 05:19:54	Track (442.6, -527.9) <small>Ⓢ 05/29 18:14:00</small>	# Cont.										
05/30 06:26:30 - 05/30 06:31:24	Fixed (0.0, 0.0)	* Fixed pointing at disk center for SOT flat fields, and synoptic at 06:31:30 UT.										
PROG= 19 Inf.-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 83 1-time(s) 60.0sec												
C-poly/Open	C-poly/thick-Al	close	Safe	Norm	4.00s	Obs 1x1	384x384 (1024, 1024)	Q=95	1	0	25.0sec	
thin-Be/Open	thin-Be/thick-Al	close	Safe	Norm	16.0s	Obs 1x1	384x384 (1024, 1024)	Q=95	1	0	25.0sec	
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #166D: Synoptic Q95 2x2 - Al/poly(181/2048) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(256/4096) + G-band(16)												
Term	Pointing (x, y)							Comment				
05/28 17:40:30 - 05/28 21:08:30	Fixed (0.0, 0.0)	synoptic, shifted -22.5 min, extended for SOT flat fields.										
05/29 18:07:00 - 05/29 18:13:54	Fixed (0.0, 0.0)	synoptic, shifted 4.0 min										
PROG= 06 1-time(s)												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 14 1-time(s) 4.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	177ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec	
Al-poly/Open	Al-poly/Open	close	Safe	Norm	2.00s	Obs 2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec	
└─ Seqn= 7 1-time(s) 2.0sec												
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs 2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec	
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs 4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec	
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs 8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec	
└─ Seqn= 21 1-time(s) 4.0sec												
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec	
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs 2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec	
└─ Seqn= 92 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec	
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #15E5: G-Band Q90 2x2 FFI for Co-align. data and Al/Poly - C/Poly												
Term	Pointing (x, y)							Comment				
05/28 21:48:00 - 05/28 22:14:54	Fixed (-920.0, -24.0)	# HOP 79, E-W irradiance scan, 1 of many.										
05/28 22:18:00 - 05/28 22:47:00	Fixed (-800.0, -24.0)											
05/28 23:22:30 - 05/28 23:44:54	Fixed (-600.0, -24.0)											
05/28 23:48:00 - 05/29 00:25:00	Fixed (-400.0, -24.0)											
05/29 00:53:30 - 05/29 01:14:54	Fixed (-200.0, -24.0)											
05/29 01:18:00 - 05/29 01:59:54	Fixed (0.0, -24.0)											
05/29 02:03:00 - 05/29 02:44:54	Fixed (200.0, -24.0)											
05/29 02:48:00 - 05/29 03:29:54	Fixed (400.0, -24.0)											
05/29 03:33:00 - 05/29 04:22:24	Fixed (600.0, -24.0)											
05/29 04:25:30 - 05/29 05:07:24	Fixed (800.0, -24.0)											
05/29 05:10:30 - 05/29 06:01:54	Fixed (920.0, -24.0)	* HOP 79 E-W scan, last.										
PROG= 20 2-time(s)												
└─ Subr= 1 1-time(s) 120.0sec												
└─ Seqn= 54 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	
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn=100 6-time(s) 120.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	5.66s	Obs 1x1	384x384 (1024, 1024)	Q=90	0	0	2.0sec	
C-poly/Open	C-poly/Open	close	Safe	Norm	5.66s	Obs 1x1	384x384 (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 #16BA: Synoptic Q95 2x2 - Al/mesh(256/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(181/2048) + G-band(16)												
Term	Pointing (x, y)							Comment				
05/29 06:05:00 - 05/29 06:11:54	Fixed (0.0, 0.0)	synoptic										

PROG= 01 1-time(s)												
└ Subr= 1 1-time(s) 12.0sec												
└ Seqn= 18 1-time(s) 4.0sec												
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0 0 2.0sec
└ Seqn= 7 1-time(s) 2.0sec												
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0 0 2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048	(1024, 1024)	Q=98	0 0 2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048	(1024, 1024)	Q=98	0 0 2.0sec
└ Seqn= 68 1-time(s) 4.0sec												
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	1.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
└ Seqn= 92 1-time(s) 2.0sec												
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

XOB #168F: twilight monitor 384x384

Term	Pointing (x, y)	Comment
05/30 07:29:38 - 05/30 08:15:00	Fixed (0.0, 0.0)	* Fixed pointing at disk center for SOT flat fields, and synoptic at 06:31:30 UT.

PROG= 12 Inf.-time(s)												
└ Subr= 1 1-time(s) 30.0sec												
└ Seqn= 35 1-time(s) 2.0sec												
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	16.0s	Obs	1x1	384x384	(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

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Flare mode

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NOT USED

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Active Region Search

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NOT USED

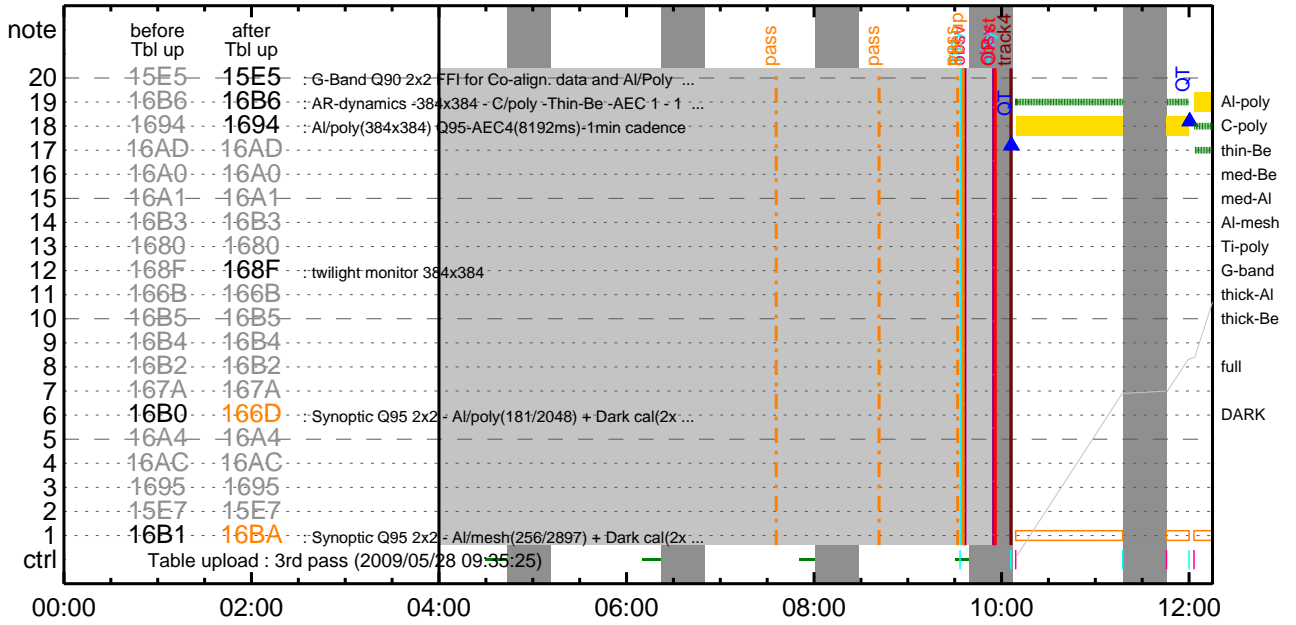
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Flare Detection

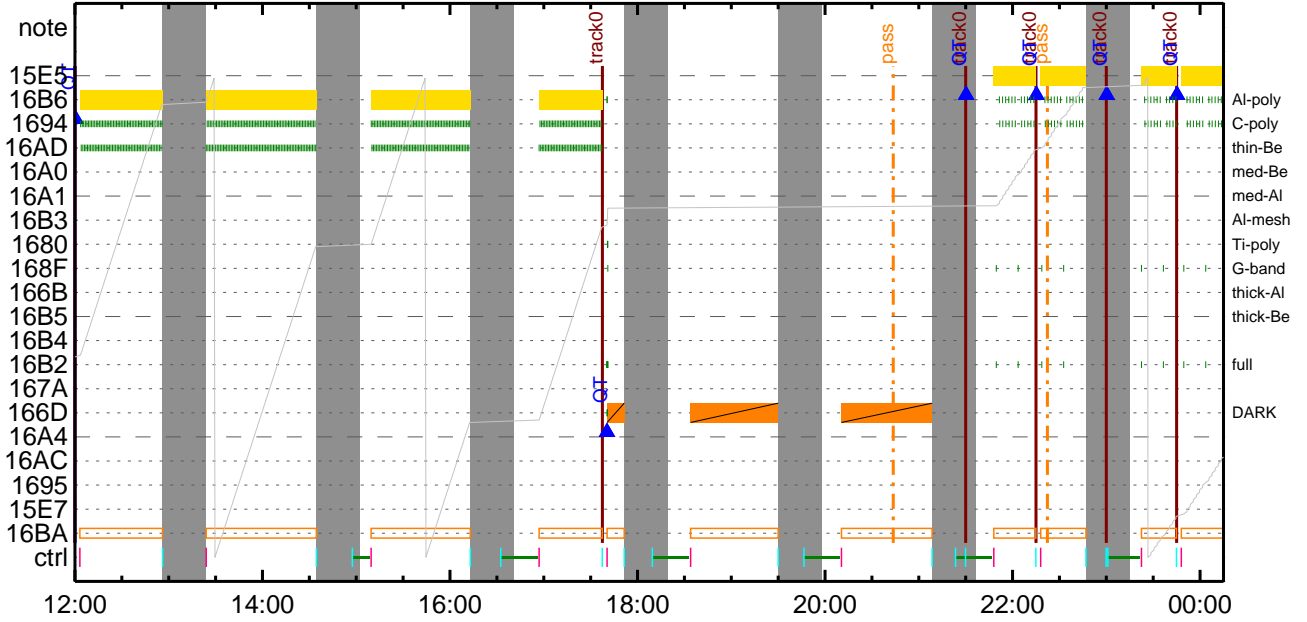
* * * * *

NOT USED

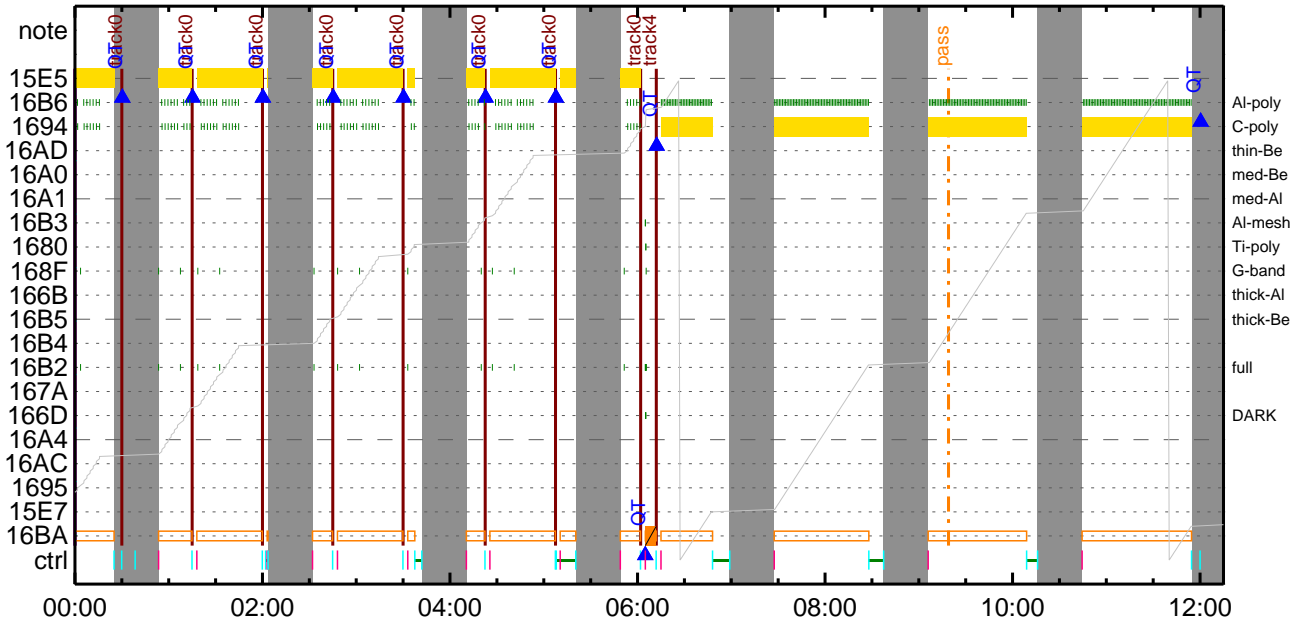
CMDI #0584 2009/05/28



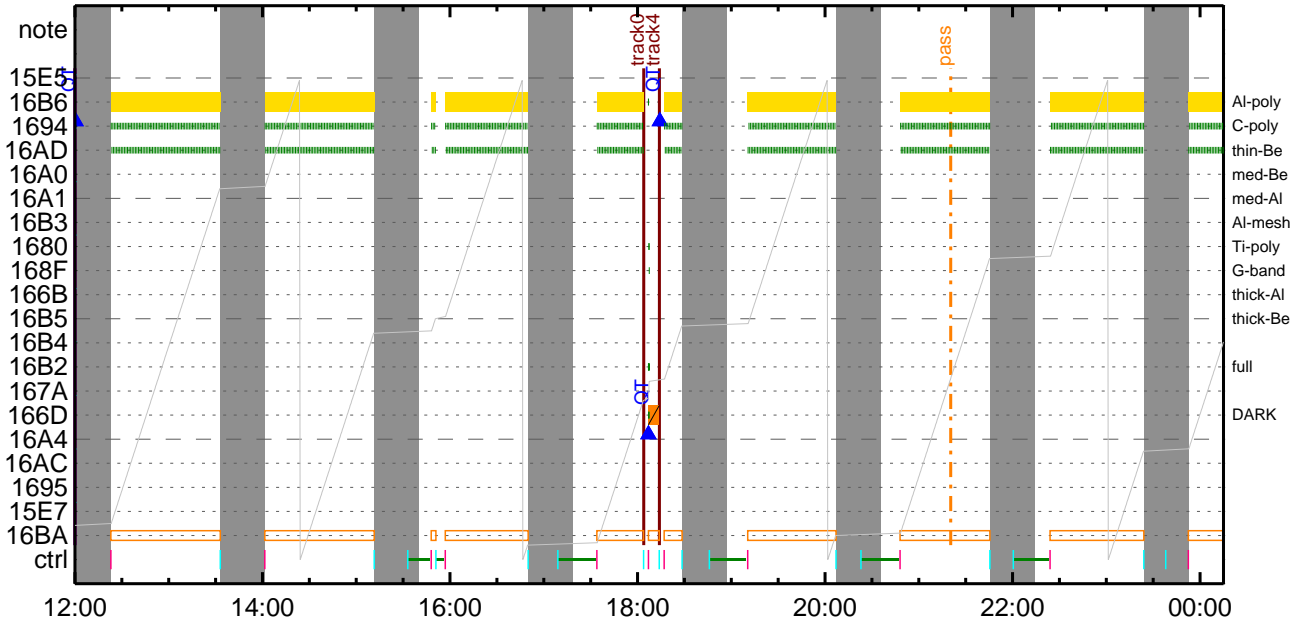
CMDI #0584 2009/05/28



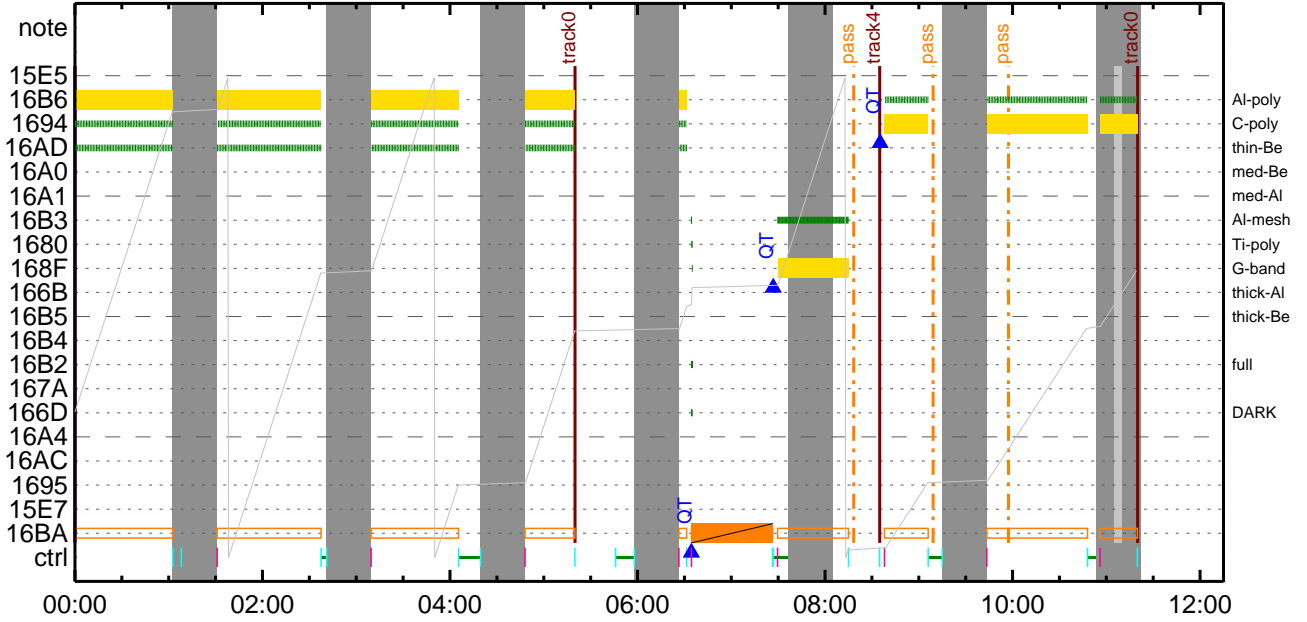
CMDI #0584 2009/05/29



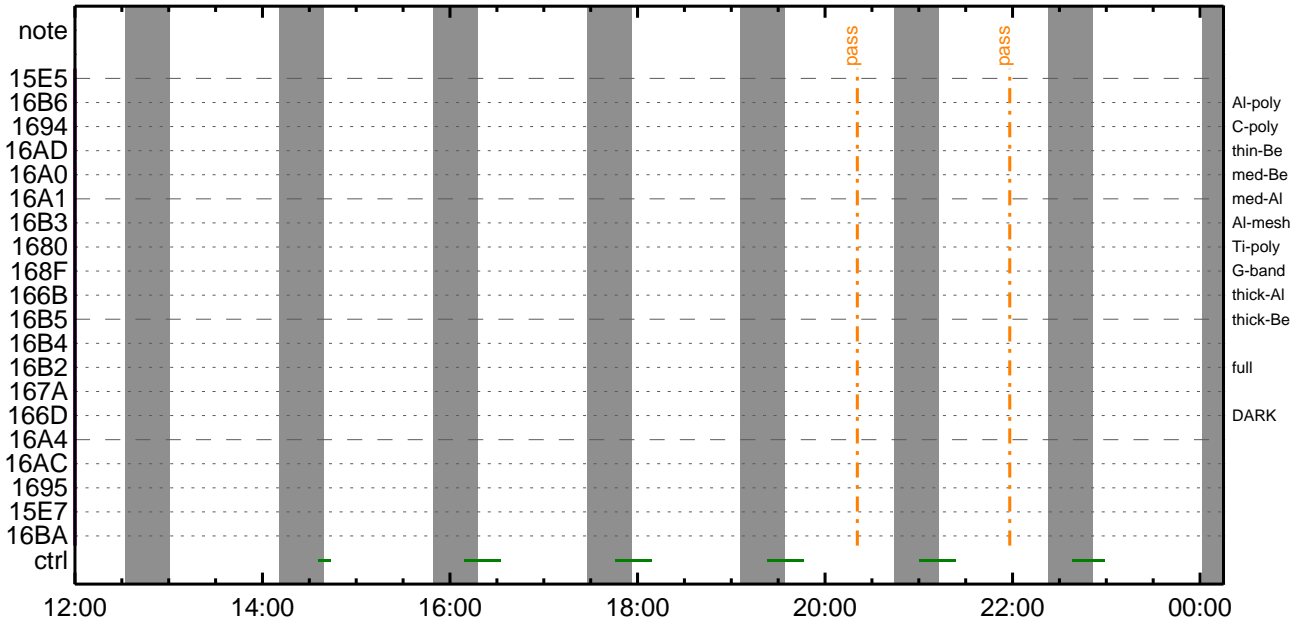
CMDI #0584 2009/05/29



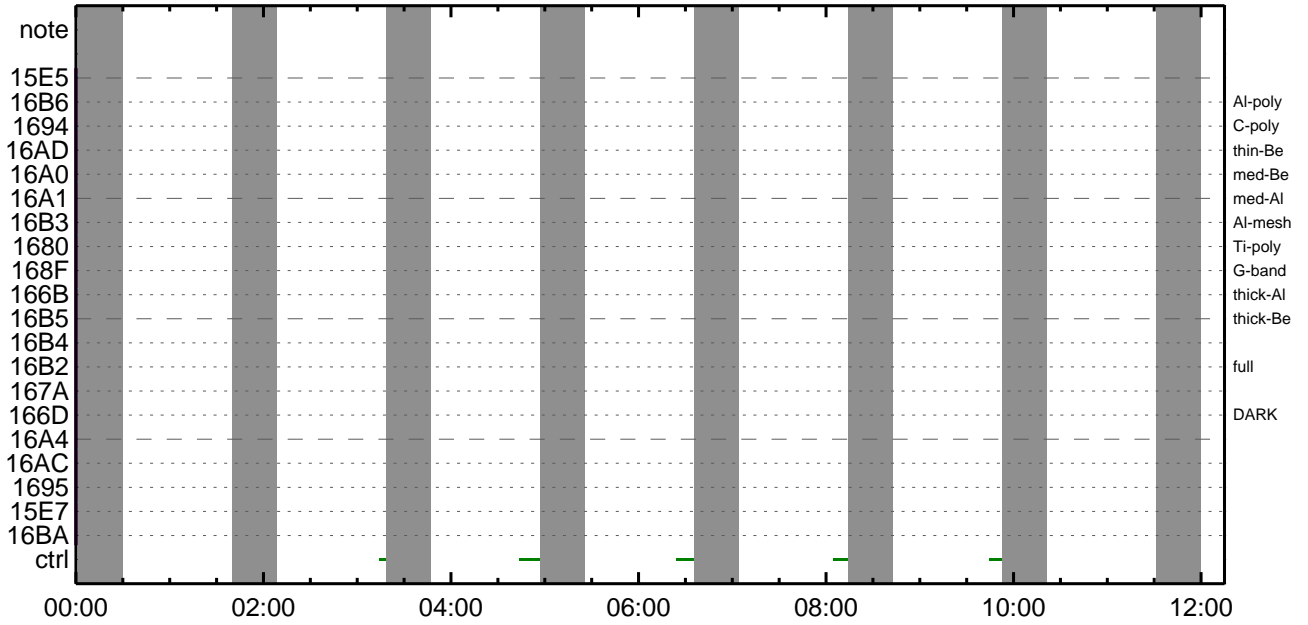
CMDI #0584 2009/05/30



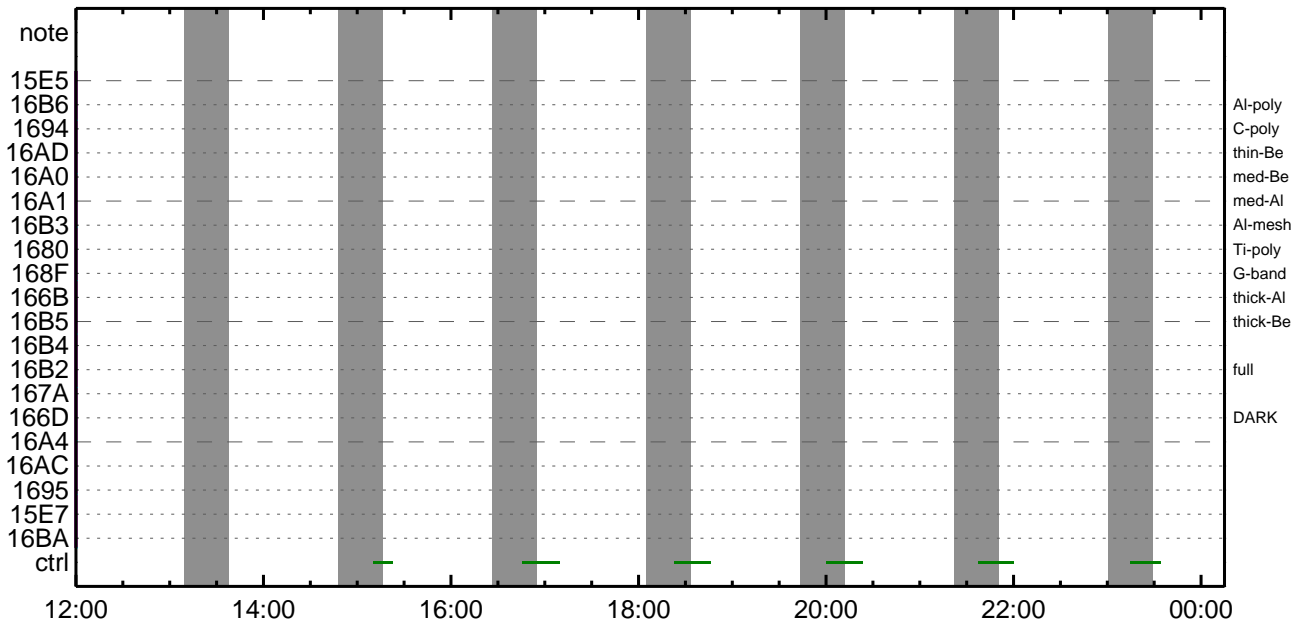
CMDI #0584 2009/05/30



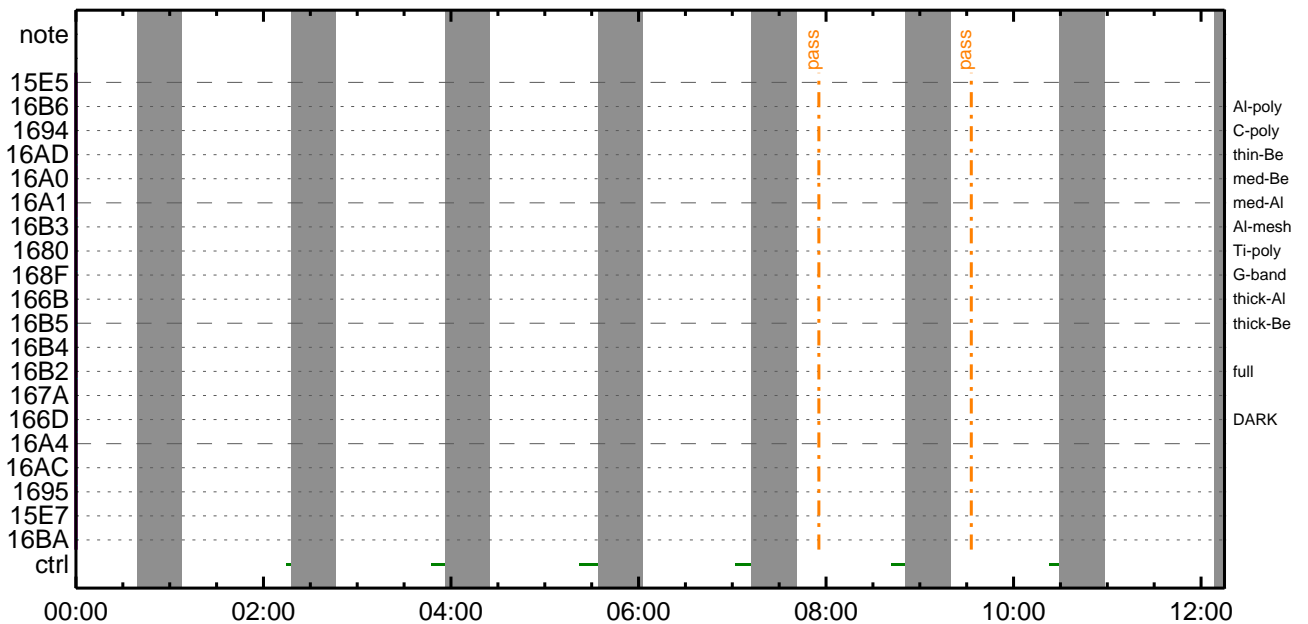
CMDI #0584 2009/05/31



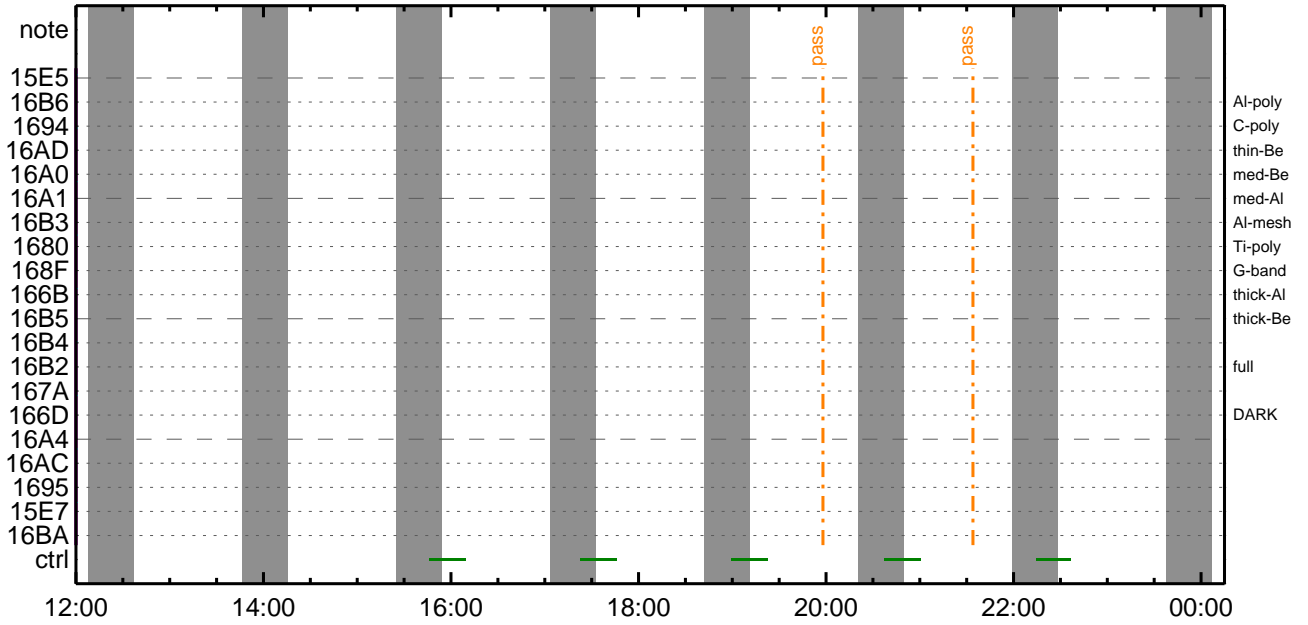
CMDI #0584 2009/05/31



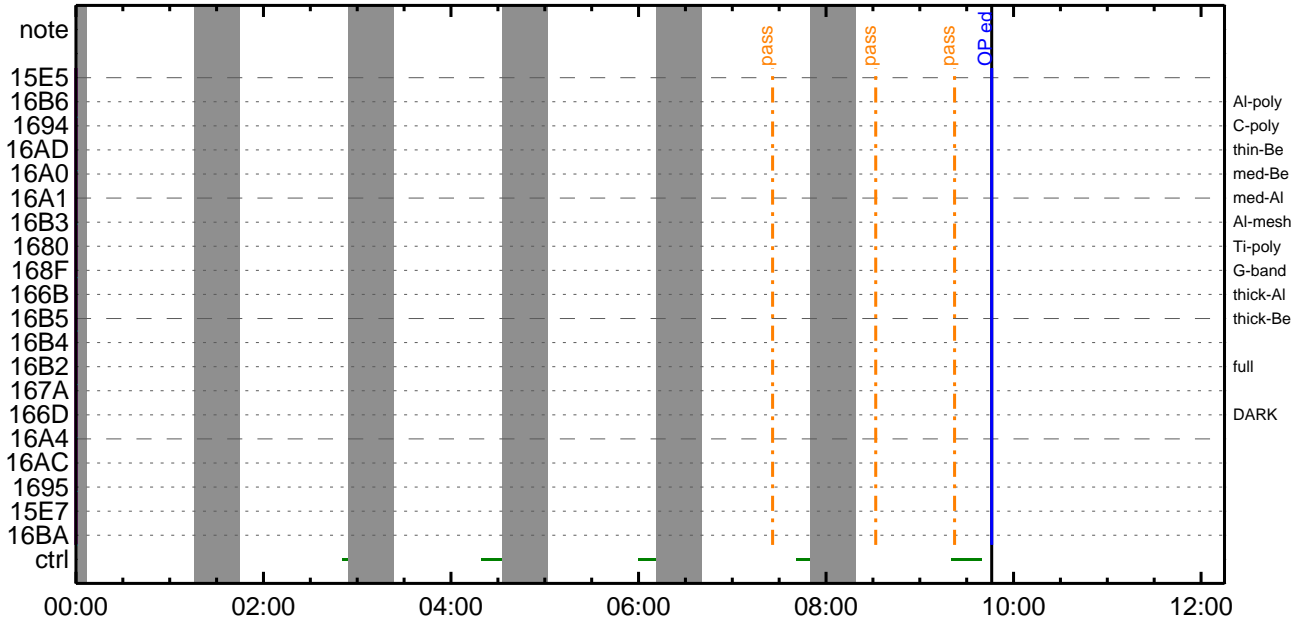
CMDI #0584 2009/06/01



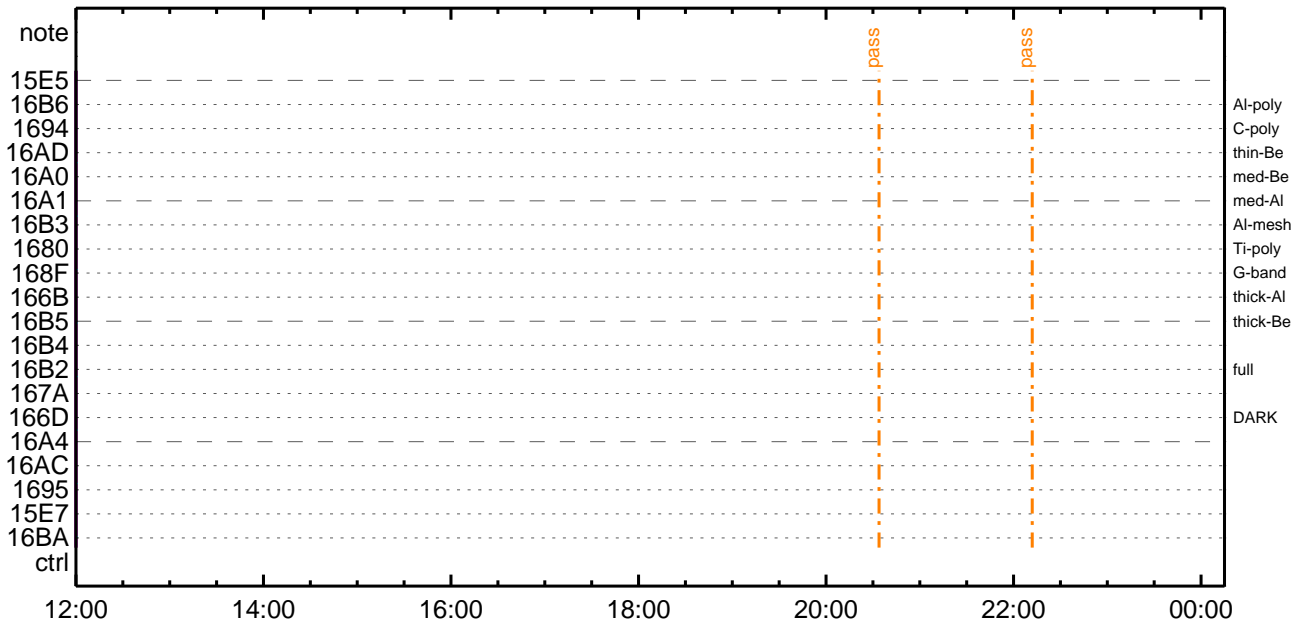
CMDI #0584 2009/06/01



CMDI #0584 2009/06/02



CMDI #0584 2009/06/02



(a) Spacecraft Operation Procedure (real-commands)

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main-620 2009-05-28 12:51:09 236 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÃY$YÃY-¼Á»Ü;ã
0005 C.
0006 C. YÃY$;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Āí;Ēα¿αĀα•μ°Ē»Í×ÁÇαÍYçYÃY×Yí;¼YÉ;ĒĒ%μ•ííĒ;ĒαĒ¼°ÇÖα•α¿¼l¹çαÍ;çĀ®, ùα¹αĒαβαÇĀ+¿®α•αĒααα³αĒ;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. *****
0046 C. OP/OGYí;¼YÉ;|YÃYóY×
0047 C. *****
0048 C.
0049 . C. ;ãOP/OGYí;¼YÉ;ã
0050 . S. OP op-620:OP
0051 ( )
0052 . S. OG og-620:OG
0053 ( )
0054 C.
0055 . C. ;ãNMOG&OPÍî°èYÃYóY×;ã
0056 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0057 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0058 BC (20 00 7f 01 02)
0059 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0060 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0061 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0062 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0063 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0064 +. DC 01-22 DHU_MODE_CHNG
0065 BC (07 0b f8)
0066 C. çç[HK1_PKT_FORM_NO] EQ 7
0067 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0068 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0069 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0070 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0071 . C. YÃYóY×½ª î»αδ³ ÎÇ§
0072 C. çç[HK1_DMP_CHK_FLG] EQ NON
0073 . C. RAM ID=NMOGαî¼Ē¹ç•ē² İOKαδ³ ÎÇ§
0074 C.
0075 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0076 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0077 BC (20 80 7f 01 02)
0078 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0079 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0080 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0081 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0082 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0083 +. DC 01-22 DHU_MODE_CHNG
0084 BC (07 0b f8)
0085 C. çç[HK1_PKT_FORM_NO] EQ 7
0086 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0087 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0088 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0089 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0090 . C. YÃYóY×½ª î»αδ³ ÎÇ§
0091 C. çç[HK1_DMP_CHK_FLG] EQ NON
0092 . C. RAM ID=NMOGαî¼Ē¹ç•ē² İOKαδ³ ÎÇ§
0093 C.
0094 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0095 +. DC 01-23 DHU_DMA_DMP_PRM_SET
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0096 BC (21 00 41 01 02)
0097 C.          çç[HK1_DMP_TOP_ADRS_1]          EQ      42
0098 C.          çç[HK1_DMP_TOP_ADRS_0]          EQ      0
0099 C.          çç[HK1_DMP_BLOCK_NUM]          EQ      65
0100 C.          çç[HK1_DMP_REPEAT_NUM]          EQ      0
0101 C.          çç[HK1_DMA_DMP_PIM]            EQ      DHU
0102 +. DC 01-22 DHU_MODE_CHNG
0103 BC (07 0b f8)
0104 C.          çç[HK1_PKT_FORM_NO]              EQ      7
0105 C.          çç[HK1_PKT_GEN_TIME]            EQ      0.25 s
0106 C.          çç[HK1_S_TLM_BIT_RATE]          EQ      32k
0107 C.          çç[HK1_X_TLM_BIT_RATE]          EQ      4M
0108 C.          çç[HK1_DMP_CHK_FLG]            EQ      EXEC
0109 . C.      ¥À¥Ö¥×½ªî»ð³îÇ§
0110 C.          çç[HK1_DMP_CHK_FLG]              EQ      NON
0111 . C.      RAM ID=NMOG, RAM ID=OPîîË¹ç•ë²îOKðð³îÇ§
0112 C.
0113 . C.      ***** òÊ²¼òî¼Ä´¶Á°òËË¬ò°Á÷ç® (¼åµ-¥À¥Ö¥×½ªî»ð³îÇ§ðð³îÇ§) *****
0114 C.      DHU¥â;¼¥Ë;Ë¼¥½, ¥ì;¼¥Ë;Ëððîá¹
0115 +. DC 01-22 DHU_MODE_CHNG
0116 BC (02 0a f8)
0117 C.          çç[HK1_PKT_FORM_NO]              EQ      2
0118 C.          çç[HK1_PKT_GEN_TIME]            EQ      0.5S
0119 C.          çç[HK1_S_TLM_BIT_RATE]          EQ      32K
0120 C.          çç[HK1_X_TLM_BIT_RATE]          EQ      4M
0121 C.
0122 . C.      *****
0123 C.      TI-CMD SET (OPOG STOP/COPY/START)
0124 C.      *****
0125 C.
0126 . C.      NOTICE ;§ OPOG UPLOADð¬Á÷ç®NGðî¼î¹ç;ç°Ê²¼òî¼TI-CMDÁ÷ç®ðî¼î¹Ôð•ðËðð³òË;£
0127 C.          ð³òç;çSETðËDUMPðîË±°î¥Ñ¥¹ç¹Òð|ð³òË;£
0128 C.
0129 . C.      TI¥³¥Þ¥Ö¥ËððÄðî¼(UT)
0130 +. TI 2009-05-28 09:51:00.0
0131 DC 01-B3 DHU_OP_STOP
0132 C.          çç[HK1_TI_CMD_NUM]              EQ      1COUNTUP
0133 C.
0134 +. TI 2009-05-28 09:51:01.0
0135 DC 01-B4 DHU_OP_COPY
0136 C.          çç[HK1_TI_CMD_NUM]              EQ      1COUNTUP
0137 C.
0138 +. TI 2009-05-28 09:51:01.0
0139 DC 01-B5 DHU_OPOG_COPY
0140 C.          çç[HK1_TI_CMD_NUM]              EQ      1COUNTUP
0141 C.
0142 +. TI 2009-05-28 09:55:59.5
0143 DC 01-B2 DHU_OP_START
0144 C.          çç[HK1_TI_CMD_NUM]              EQ      1COUNTUP
0145 C.
0146 C.      °Ê²¼òî¼ËËîî¼î¼î¼¥¥¥¥¥¥-¹àîÛ
0147 C.          çç[HK1_TI_CMD_ENA/DIS]          EQ      ENA
0148 C.          çç[HK1_TI_CMD_NUM]              EQ      4
0149 C.          çç[HK1_NEXT_EXEC_PIM]            EQ      DHU
0150 C.          çç[HK1_NEXT_EXEC_DC]            EQ      0xB3
0151 C.
0152 . C.      *****
0153 C.      TIîî°è¥À¥Ö¥×
0154 C.      *****
0155 C.
0156 C.      TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0157 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0158 BC (03 ab 03 01 02)
0159 C.          çç[HK1_DMP_TOP_ADRS_1]          EQ      07
0160 C.          çç[HK1_DMP_TOP_ADRS_0]          EQ      2B
0161 C.          çç[HK1_DMP_BLOCK_NUM]          EQ      3
0162 C.          çç[HK1_DMP_REPEAT_NUM]          EQ      0
0163 C.          çç[HK1_DMA_DMP_PIM]            EQ      DHU
0164 +. DC 01-22 DHU_MODE_CHNG
0165 BC (07 0b f8)
0166 C.          çç[HK1_PKT_FORM_NO]              EQ      7
0167 C.          çç[HK1_PKT_GEN_TIME]            EQ      0.25 s
0168 C.          çç[HK1_S_TLM_BIT_RATE]          EQ      32k
0169 C.          çç[HK1_X_TLM_BIT_RATE]          EQ      4M
0170 C.          çç[HK1_DMP_CHK_FLG]            EQ      EXEC
0171 C.
0172 . C.      ¥À¥Ö¥×½ªî»ð³îÇ§
0173 C.          çç[HK1_DMP_CHK_FLG]              EQ      NON
0174 C.
0175 . C.      RAM ID=TI_TBLðî¼Ë¹ç•ë²îOKðð³îÇ§
0176 C.
0177 . C.      DHU¥â;¼¥Ë;Ë¼¥½, ¥ì;¼¥Ë;Ëððîá¹
0178 +. DC 01-22 DHU_MODE_CHNG
0179 BC (02 0a f8)
0180 C.          çç[HK1_PKT_FORM_NO]              EQ      2
0181 C.          çç[HK1_PKT_GEN_TIME]            EQ      0.5S
0182 C.          çç[HK1_S_TLM_BIT_RATE]          EQ      32K
0183 C.          çç[HK1_X_TLM_BIT_RATE]          EQ      4M
0184 C.
0185 C.
0186 C.      ***** XRT START *****
0187 C.      Execute, after the success of OP upload.
0188 +. TI 2009-05-28 09:55:00.0
0189 DC 07-F0 MDP_XRT_MODE_STBY
0190 BC (c3)
0191 . C.      [ ] [HK1_TI_CMD_NUM]          EQ      1COUNTUP
0192 C.
0193 C.      ***** XRT END *****

```



```

0194 . C. Stop EIS observation and temporarily disable EIS mode changes
0195 C.
0196 C.
0197 C. ***** Start EIS operation (TI set) *****
0198 C. Execute, after the success of OP upload.
0199 C. Set EIS TI-commands
0200 +. TI 2009-05-28 09:55:30.0
0201 DC 07-FC EIS_MODE_MANU
0202 BC (21 02)
0203 +. TI 2009-05-28 09:55:40.0
0204 DC 07-FC EIS_MODE_CHG_DIS
0205 BC (22)
0206 . C. [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0207 C. ***** End EIS operation (TI set) *****
0208 C.
0209 C.
0210 C. *****
0211 C. SOT TI command set
0212 C. *****
0213 C. Execute, after the success of OP upload.
0214 +. TI 2009-05-28 09:55:16.0
0215 DC 07-F0 MDP_SOT_MODE_STBY
0216 BC (41)
0217 . C. -----
0218 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0219 C. -----
0220 C. ***** SOT END *****
0221 C.
0222 . C. ***** MDP `uãîñî»ö¼ÿñèÊÐñ¹ñèDCBC•x²è *****
0223 C. (¼ã°îÿÓÿÄÿÈÿÞÿËÿáÿçÿèñ¼çñ¼Ä»Ûñ¹ñè)
0224 . S. DC-BC dcbc-402:DCBC
0225 (MDP_known_event)
0226 C.
0227 C.
0228 . C. ***** ÿDÿ¹•Ï Daily±;îÑñÈ'Øñ¹ñèDCBC•x²è *****
0229 . S. DC-BC dcbc-153:DCBC
0230 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0231 C.
0232 C.
0233 . C. ;ãLOSÿÁÿSÿÿÿ¼Ä»Û;ã
0234 C.
0235 . C. ***** LOS *****
0236 C.

```



```

0096 C.
0097 C.
0098 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0099 +. DC 07-FC EIS_MODE_MANU
0100 BC (21 02)
0101 . C. Verify EIS in MANUAL mode
0102 . C. Estimated OBSTBL upload time is 38s
0103 C. *****
0104 C. EIS START OBSTBL LOAD
0105 C. *****
0106 . S. RAM ram-820:EIS_OBSTBL
0107 ( )
0108 +. DC 07-FC EIS_DUMP_OBSTBL
0109 BC (07 07 07 00 00 70 00)
0110 C.
0111 C. Execute, after the success of OBSTBL upload.
0112 C. Set EIS TI-commands
0113 +. TI 2009-05-28 09:55:50.0
0114 DC 07-FC EIS_MODE_CHG_ENA
0115 BC (20)
0116 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0117 C. *****
0118 C. EIS END OBSTBL LOAD
0119 C. *****
0120 C.
0121 . C. ***** MDP `ûÃîñî»ö¼ÿñÊÃðñ¹ñèDCBC•x²è *****
0122 C. (¼ã°îÿÓÿÃÿËÿÏÿËÿãÿçÿèñ¼çñ¼Ã»Ûñ¹ñè)
0123 . S. DC-BC dcbc-402:DCBC
0124 (MDP_known_event)
0125 C.
0126 C.
0127 . C. ***** ÿDÿ¹•î Daily±;îññÊ´øñ¹ñèDCBC•x²è *****
0128 . S. DC-BC dcbc-153:DCBC
0129 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0130 C.
0131 C.
0132 . C. ;ãLOSÿÃÿSÿÿÃÿ-¼Ã»Û;ã
0133 C.
0134 . C. ***** LOS *****
0135 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-622 2009-05-28 12:51:09 108 33 SOLAR-B MAIN //
0001  C.
0002  . C. ***** AOS *****
0003  C.
0004  . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005  C.
0006  C. YÁYB;¼Y³YFYOYÉÁ+¿®
0007  +. DC 00-00 NULL_DUMMY_CMD
0008  C.
0009  . C. ***** AOCs : Reload orbital element (send every contact) *****
0010  C.  Á;Ë¿¿ãß•µ°Ë»Í×ÁÇ¿ÍYçYÁY×Yí;¼YÉ;ËÈ¿µ•ííË;ËßÈ¼°ÇÓã•ã¿¼i¹ç¿Í;çÁ®, ùã¹ãèßãçÁ+¿®ã•ãÈãã³ãÈ;f
0011  +. DC 02-8E AOCU_ORB_UPD
0012  C.
0013  C.
0014  C.
0015  C. ***** XRT START *****
0016  C.
0017  +. DC 07-F0 MDP_XRT_CTRL_MANU
0018  BC      (c1)
0019  + DC 07-F0 MDP_XRT_MODE_STBY
0020  BC      (c3)
0021  . C. ----- Success Verify ?           OK / NG ____
0022  C.
0023  C. XRT Obs. Table Upload
0024  . S. RAM  ram-291:MDP_OBS_X
0025  ( )
0026  C.
0027  +. DC 07-F0 MDP_DUMP_XRTTBL
0028  BC      (84 07 00 00 00 00 3a d4)
0029  . C. ----- Comparison Check ?           OK / ERR ____
0030  C.
0031  C.
0032  +. DC 07-F0 MDP_XRT_ROI_SET
0033  BC      (cd 01 b1 b1 04 04)
0034  + DC 07-F0 MDP_XRT_ROI_SET
0035  BC      (cd 02 b1 b1 08 08)
0036  + DC 07-F0 MDP_XRT_ROI_SET
0037  BC      (cd 03 b1 b1 08 08)
0038  + DC 07-F0 MDP_XRT_ROI_SET
0039  BC      (cd 04 b1 b1 06 06)
0040  + DC 07-F0 MDP_XRT_ROI_SET
0041  BC      (cd 06 80 80 06 06)
0042  + DC 07-F0 MDP_XRT_ROI_SET
0043  BC      (cd 07 80 80 20 20)
0044  + DC 07-F0 MDP_XRT_ROI_SET
0045  BC      (cd 0f 80 80 04 04)
0046  + DC 07-F0 MDP_XRT_ROI_SET
0047  BC      (cd 10 80 80 10 10)
0048  . C. ----- Success Verify ?           OK / NG ____
0049  C.
0050  C.
0051  . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0052  C.
0053  +. DC 07-F0 MDP_XRT_MODE_OBSV
0054  BC      (c2)
0055  +. TI 2009-05-28 09:55:02.0
0056  DC 07-F0 MDP_XRT_MODE_OBSV
0057  BC      (c2)
0058  . C. ----- Success Verify ?           OK / NG ____
0059  C.
0060  C. ***** XRT END *****
0061  . C. *****
0062  C. SOT table upload
0063  C. *****
0064  . C. < Stop FG table >
0065  +. DC 07-F0 MDP_FG_CTRL_MANU
0066  BC      (51)
0067  . C. -----
0068  C. MDP_FG_CTRL_MODE           = MANU   [ ]
0069  C. -----
0070  C.
0071  . C. <Upload FG Observation Table>
0072  . S. RAM  ram-266:MDP_OBS_F
0073  ( )
0074  C.
0075  . C. < Dump RAMID=MDP_OBS_F >
0076  +. DC 07-F0 MDP_DUMP_FGTBL
0077  BC      (82 07 00 00 00 00 38 b8)
0078  C. -----
0079  C. MDP_OBS_F verify = OK/NG   [ ]
0080  C. -----
0081  C.
0082  C. *****
0083  C. SOT TI command set
0084  C. *****
0085  C. Execute, after the success of TBL upload.
0086  +. TI 2009-05-28 09:55:18.0
0087  DC 07-F0 MDP_SOT_MODE_OBSV
0088  BC      (40)
0089  . C. -----
0090  C. HK1_TI_CMD_NUM           = 1 CNTUP [ ]
0091  C. -----
0092  C.
0093  C.
0094  . C. ***** MDP `úÃîáí»ö¼YãÉÃßã¹ãÈDCBC•x²è *****
0095  C. (¼ã°íYÓYÁYÉYBÏYÉYáYçYèãÈ¼ãã¼Á»Û¹ãè)
```

```
0096 . S. DC-BC dcbc-402:DCBC
0097 (MDP_known_event)
0098 C.
0099 C.
0100 . C. ***** ¥D¥1•İ Daily±;İÑñĒ'Øα¹αēDCBC•x²è *****
0101 . S. DC-BC dcbc-153:DCBC
0102 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0103 C.
0104 C.
0105 . C. ;äLOS¥Á¥S¥Ä¥-¼Ä»Û;ä
0106 C.
0107 . C. ***** LOS *****
0108 C.
```

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*** OP Sequence for XRT ***

```

2009/05/28 10:05:54.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 10:05:56.0 XRT_FOCUS_POSITION_441_OG [0x1b9]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2009/05/28 10:06:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 04 00 00 00 00
2009/05/28 10:06:16.0 XRT_QT_PROG_SET_424_OG [0x1a8]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 12
2009/05/28 10:06:18.0 XRT_AEC_RESET_415_OG [0x19f]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2009/05/28 10:06:20.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/05/28 10:06:22.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/05/28 10:06:24.0 XRT_FLRCTRL_DIS_425_OG [0x1a9]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/05/28 10:09:02.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/05/28 11:17:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 11:45:30.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/05/28 12:00:00.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 12:00:02.0 XRT_FOCUS_POSITION_441_OG [0x1b9]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2009/05/28 12:00:22.0 XRT_QT_PROG_SET_401_OG [0x191]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 13
2009/05/28 12:00:24.0 XRT_AEC_RESET_415_OG [0x19f]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2009/05/28 12:00:26.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/05/28 12:00:28.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/05/28 12:00:30.0 XRT_FLRCTRL_DIS_425_OG [0x1a9]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/05/28 12:03:08.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/05/28 12:56:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 13:24:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/05/28 14:34:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 14:57:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 15:08:30.0 XRT_Custom_430_OG [0x1ae]
2009/05/28 15:09:30.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/05/28 16:13:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 16:32:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 16:56:00.0 XRT_Custom_430_OG [0x1ae]
2009/05/28 16:57:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/05/28 17:37:24.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 17:37:26.0 XRT_FOCUS_POSITION_442_OG [0x1ba]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2009/05/28 17:37:30.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 00 00 00 00
2009/05/28 17:37:46.0 XRT_FLD_DIS_419_OG [0x1a3]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/05/28 17:37:48.0 XRT_FLRCTRL_DIS_447_OG [0x1bf]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/05/28 17:37:50.0 XRT_ARS_DIS_410_OG [0x19a]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/05/28 17:40:28.0 XRT_QT_PROG_SET_431_OG [0x1af]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 06
2009/05/28 17:40:30.0 XRT_CTRL_AUTO_440_OG [0x1b8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/05/28 17:51:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 18:09:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 18:33:00.0 XRT_Custom_430_OG [0x1ae]
2009/05/28 18:34:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/05/28 19:30:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 19:46:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 20:09:30.0 XRT_Custom_430_OG [0x1ae]
2009/05/28 20:10:30.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/05/28 21:08:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 21:23:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/05/28 21:29:54.0 XRT_CTRL_MANU_428_OG [0x1ac]

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2009/05/28	21:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/05/28	21:30:00.0	AOCs_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/05/28	21:30:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]	AOCU_NM	5	02-76	00 02 24 51 ca		
2009/05/28	21:30:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2009/05/28	21:30:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/05/28	21:30:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/05/28	21:47:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/05/28	21:48:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	XRT_Custom_430_OG [0x1ae]					
2009/05/28	22:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/05/28	22:14:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/05/28	22:15:00.0	AOCs_OrE-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/05/28	22:15:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]	AOCU_NM	5	02-76	00 02 24 47 1a		
2009/05/28	22:15:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2009/05/28	22:15:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/05/28	22:15:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/05/28	22:18:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/05/28	22:47:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/05/28	22:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/05/28	22:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/05/28	23:00:00.0	AOCs_OrE-point_Start_5_OG [0x09b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/05/28	23:00:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]	AOCU_NM	5	02-76	00 02 24 35 58		
2009/05/28	23:00:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2009/05/28	23:00:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/05/28	23:00:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/05/28	23:01:00.5	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/05/28	23:21:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/05/28	23:22:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	XRT_Custom_430_OG [0x1ae]					
2009/05/28	23:44:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/05/28	23:44:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/05/28	23:45:00.0	AOCs_OrE-point_Start_6_OG [0x09c]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/05/28	23:45:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]	AOCU_NM	5	02-76	00 02 24 23 8d		
2009/05/28	23:45:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2009/05/28	23:45:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/05/28	23:45:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/05/28	23:48:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/05/29	00:25:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/05/29	00:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/05/29	00:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/05/29	00:30:00.0	AOCs_OrE-point_Start_7_OG [0x09d]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/05/29	00:30:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]	AOCU_NM	5	02-76	00 02 24 11 ca		
2009/05/29	00:30:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2009/05/29	00:30:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/05/29	00:30:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/05/29	00:38:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/05/29	00:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/05/29	01:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/05/29	01:14:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
		XRT_FOCUS_POSITION	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		

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2009/05/29	01:15:00.0	AOCS_ORe-point_Start_8_OG [0x09e] AOCU_NM	5	02-76	00	02	24	00	00
2009/05/29	01:15:16.0	XRT_QT_PROG_SET_420_OG [0x1a4] MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2009/05/29	01:15:18.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/05/29	01:15:20.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/05/29	01:15:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/05/29	01:18:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/29	01:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/29	01:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/05/29	02:00:00.0	AOCS_ORe-point_Start_9_OG [0x09f] AOCU_NM	5	02-76	00	02	24	ee	36
2009/05/29	02:00:16.0	XRT_QT_PROG_SET_420_OG [0x1a4] MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2009/05/29	02:00:18.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/05/29	02:00:20.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/05/29	02:00:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/05/29	02:02:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/29	02:03:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/29	02:03:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/29	02:32:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/29	02:44:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/29	02:44:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/05/29	02:45:00.0	AOCS_ORe-point_Start_10_OG [0x0a0] AOCU_NM	5	02-76	00	02	24	dc	73
2009/05/29	02:45:16.0	XRT_QT_PROG_SET_420_OG [0x1a4] MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2009/05/29	02:45:18.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/05/29	02:45:20.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/05/29	02:45:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/05/29	02:48:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/29	03:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/29	03:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/05/29	03:30:00.0	AOCS_ORe-point_Start_11_OG [0x0a1] AOCU_NM	5	02-76	00	02	24	ca	a8
2009/05/29	03:30:16.0	XRT_QT_PROG_SET_420_OG [0x1a4] MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2009/05/29	03:30:18.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/05/29	03:30:20.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/05/29	03:30:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/05/29	03:33:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/29	03:37:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/29	03:42:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/29	04:10:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/29	04:22:24.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/29	04:22:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/05/29	04:22:30.0	AOCS_ORe-point_Start_12_OG [0x0a2] AOCU_NM	5	02-76	00	02	24	b8	e6
2009/05/29	04:22:46.0	XRT_QT_PROG_SET_420_OG [0x1a4] MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2009/05/29	04:22:48.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/05/29	04:22:50.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/05/29	04:22:52.0	XRT_FLRCTRL_DIS_425_OG [0x1a9] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/05/29	04:25:30.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/29	05:07:24.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/29	05:07:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/05/29	05:07:30.0	AOCS_ORe-point_Start_13_OG [0x0a3]							

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2009/05/29	05:07:46.0	XRT_QT_PROG_SET_420_OG [0x1a4]	AOCU_NM	5	02-76	00	02	24	ae	36
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	14			
2009/05/29	05:07:48.0	XRT_ARS_DIS_422_OG [0x1a6]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/05/29	05:07:50.0	XRT_FLD_DIS_445_OG [0x1bd]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/05/29	05:07:52.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/05/29	05:08:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	05:10:30.0	XRT_CTRL_AUTO_403_OG [0x193]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/05/29	05:20:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	05:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/05/29	06:01:54.0	XRT_CTRL_MANU_428_OG [0x1ac]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	06:01:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]		4	07-F8	22	ff	aa	00	
		XRT_FOCUS_POSITION		4	07-F8	22	ff	aa	00	
2009/05/29	06:02:00.0	AOCS_OrE-point_Start_2_OG [0x098]		5	02-76	00	00	00	00	00
		AOCU_NM		5	02-76	00	00	00	00	00
2009/05/29	06:02:16.0	XRT_FLD_DIS_419_OG [0x1a3]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/05/29	06:02:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/05/29	06:02:20.0	XRT_ARS_DIS_410_OG [0x19a]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/05/29	06:04:58.0	XRT_QT_PROG_SET_400_OG [0x190]		2	07-F0	c4	01			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	01			
2009/05/29	06:05:00.0	XRT_CTRL_AUTO_403_OG [0x193]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/05/29	06:11:54.0	XRT_CTRL_MANU_428_OG [0x1ac]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	06:11:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2009/05/29	06:12:00.0	AOCS_OrE-point_Start_1_OG [0x097]		5	02-76	04	00	00	00	00
		AOCU_NM		5	02-76	04	00	00	00	00
2009/05/29	06:12:16.0	XRT_QT_PROG_SET_424_OG [0x1a8]		2	07-F0	c4	12			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	12			
2009/05/29	06:12:18.0	XRT_AEC_RESET_415_OG [0x19f]		1	07-F0	d0				
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2009/05/29	06:12:20.0	XRT_ARS_DIS_422_OG [0x1a6]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/05/29	06:12:22.0	XRT_FLD_DIS_445_OG [0x1bd]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/05/29	06:12:24.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/05/29	06:15:02.0	XRT_CTRL_AUTO_403_OG [0x193]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/05/29	06:48:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	06:59:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	07:27:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/05/29	08:28:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	08:37:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	09:06:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/05/29	10:09:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	10:16:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	10:44:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/05/29	11:54:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	12:00:00.0	XRT_CTRL_MANU_428_OG [0x1ac]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	12:00:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2009/05/29	12:00:22.0	XRT_QT_PROG_SET_401_OG [0x191]		2	07-F0	c4	13			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	13			
2009/05/29	12:00:24.0	XRT_AEC_RESET_415_OG [0x19f]		1	07-F0	d0				
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2009/05/29	12:00:26.0	XRT_ARS_DIS_422_OG [0x1a6]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/05/29	12:00:28.0	XRT_FLD_DIS_445_OG [0x1bd]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/05/29	12:00:30.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/05/29	12:23:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/05/29	13:33:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/05/29	14:01:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/05/29	15:11:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				

2009/05/29	15:33:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	15:47:00.0	XRT_Custom_430_OG [0x1ae]					
2009/05/29	15:48:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/29	15:51:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	15:56:00.0	XRT_Custom_430_OG [0x1ae]					
2009/05/29	15:57:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/29	16:50:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	17:09:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	17:33:00.0	XRT_Custom_430_OG [0x1ae]					
2009/05/29	17:34:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/29	18:03:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	18:03:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2009/05/29	18:04:00.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2009/05/29	18:04:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/05/29	18:04:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/05/29	18:04:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/05/29	18:06:58.0	XRT_QT_PROG_SET_431_OG [0x1af]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06	
2009/05/29	18:07:00.0	XRT_CTRL_AUTO_440_OG [0x1b8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/29	18:13:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	18:13:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/05/29	18:14:00.0	AOCS_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	04 00 00 00 00	
2009/05/29	18:14:16.0	XRT_QT_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13	
2009/05/29	18:14:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/05/29	18:14:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/05/29	18:14:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/05/29	18:14:24.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/05/29	18:17:02.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/29	18:28:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	18:46:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	19:09:30.0	XRT_Custom_430_OG [0x1ae]					
2009/05/29	19:10:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/29	20:07:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	20:23:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	20:47:00.0	XRT_Custom_430_OG [0x1ae]					
2009/05/29	20:48:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/29	21:45:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	22:00:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	22:23:00.0	XRT_Custom_430_OG [0x1ae]					
2009/05/29	22:24:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/29	23:24:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	23:38:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/29	23:52:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/30	01:02:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/30	01:08:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/30	01:31:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/30	02:37:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/30	02:41:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/30	03:09:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/05/30	04:05:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/05/30	04:19:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					

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2009/05/30	04:48:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/30	05:19:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	05:20:00.0	AOCs_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00				
2009/05/30	05:46:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	05:58:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	06:26:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/30	06:31:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	06:31:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/05/30	06:31:46.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/05/30	06:31:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/05/30	06:31:50.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/05/30	06:34:28.0	XRT_QT_PROG_SET_400_OG [0x190]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 01				
2009/05/30	06:34:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/30	07:26:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	07:26:30.5	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	07:26:32.5	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/05/30	07:26:52.5	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2009/05/30	07:26:54.5	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/05/30	07:26:56.5	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/05/30	07:26:58.5	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/05/30	07:27:00.5	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/05/30	07:29:38.5	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/30	08:15:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	08:34:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	08:34:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/05/30	08:35:00.0	AOCs_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	04 00 00 00 00				
2009/05/30	08:35:16.0	XRT_QT_PROG_SET_424_OG [0x1a8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2009/05/30	08:35:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/05/30	08:35:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/05/30	08:35:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/05/30	08:35:24.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/05/30	08:38:02.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/30	09:06:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	09:15:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	09:43:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/30	10:48:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	10:55:00.0	XRT_Custom_430_OG [0x1ae]								
2009/05/30	10:56:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/05/30	11:19:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/05/30	11:20:00.0	AOCs_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00				