

XRT Timeline to be uploaded on 2010/04/13

Period: 2010/04/13 10:36:00 - 2010/04/17 10:20:00

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Normal mode

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XOB #1775: HOP130 Al/mesh short(128ms)/long(2048ms) + Ti/poly short(256ms)/long(4096ms) FOV 512x512 - bin 1x1												
Term	Pointing (x, y)				Comment							
04/13 10:49:00 - 04/13 11:01:54	Fixed (	936.0,	0.0)	# OP start + 10min, Fullsun OBS. HOP130 No1							
04/13 11:05:00 - 04/13 11:17:54	Fixed (	468.0,	0.0)	HOP130 No2							
04/13 11:37:00 - 04/13 11:49:54	Fixed (	-468.0,	0.0)	HOP130 No4							
04/13 11:53:00 - 04/13 12:05:54	Fixed (	-936.0,	0.0)	HOP130 No5							
04/13 12:09:00 - 04/13 12:15:54	Fixed (	815.0,	470.0)	HOP130 No6							
04/13 12:19:00 - 04/13 12:31:54	Fixed (	411.0,	847.0)	HOP130 No7							
04/13 12:35:00 - 04/13 12:47:54	Fixed (	0.0,	941.0)	HOP130 No8							
04/13 12:51:00 - 04/13 13:03:54	Fixed (	-411.0,	847.0)	HOP130 No9							
04/13 13:07:00 - 04/13 13:13:54	Fixed (	-815.0,	470.0)	HOP130 No10							
04/13 13:17:00 - 04/13 13:23:54	Fixed (	815.0,	-470.0)	HOP130 No11							
04/13 13:27:00 - 04/13 13:39:54	Fixed (	411.0,	-847.0)	HOP130 No12							
04/13 13:43:00 - 04/13 13:55:54	Fixed (	0.0,	-941.0)	HOP130 No13							
04/13 13:59:00 - 04/13 14:11:54	Fixed (	-411.0,	-847.0)	HOP130 No14							
04/13 14:15:00 - 04/13 14:29:54	Fixed (	-815.0,	-471.0)	HOP130 No15							
PROG= 08 1-time(s)												
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn= 59 1-time(s) 2.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 125ms Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 2.00s Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 60 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 250ms Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 4.00s Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 61 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 1.00s Obs 1x1 512x512 (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 #17A9: Full-disk Full-Res Al/Mesh, Ti/Poly, Thick/Al - 2 loops												
Term	Pointing (x, y)				Comment							
04/13 11:21:00 - 04/13 11:33:54	Fixed (	0.0,	0.0)	HOP130 No3 Disc Center								
04/15 06:07:38 - 04/17 10:20:00	Fixed (	0.0,	0.0)	synoptic, shifted -0.5 min 15Min extend for AIA support								
PROG= 11 1-time(s)												
└─ Subr= 1 2-time(s) 300.0sec												
└─ Seqn= 57 1-time(s) 2.0sec												
└─ Open/thick-Al Open/thick-Al close Safe Norm 22.6s Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 53 1-time(s) 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 125ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 2.00s Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 54 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 250ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 4.00s Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn= 56 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Dark 1.00s Obs 1x1 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												

XOB #16AC: G-Band Alignment with North Pole Q90 2x2(G-band only) - 5min cadence - Partial Sun-wNGT												
Term	Pointing (x, y)				Comment							
04/13 14:45:00 - 04/13 17:52:54	Fixed (	0.0,	945.0)	Coalignment N-limb								
PROG= 07 1-time(s)												
└─ Subr= 1 1-time(s) 360.0sec												
└─ Seqn= 3 24-time(s) 300.0sec												
└─ 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 #1772: Synoptic Q95 2x2 - Al/mesh(33/512) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(64/1024) + G-band(16)-2												
Term	Pointing (x, y)				Comment							
04/13 17:56:00 - 04/13 18:02:54	Fixed (	0.0,	0.0)	synoptic, shifted -7.0 min								
04/14 06:28:30 - 04/14 12:59:54	Fixed (	0.0,	0.0)	synoptic, shifted 25.5 min								
04/14 18:15:30 - 04/14 18:22:24	Fixed (	0.0,	0.0)	synoptic, shifted 12.5 min								
04/15 06:02:30 - 04/15 06:04:30	Fixed (	0.0,	0.0)	synoptic, shifted -0.5 min 15Min extend for AIA support								
PROG= 09 1-time(s)												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 44 1-time(s) 4.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 32ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 5 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												

Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec
Seqn= 45		1-time(s)		4.0sec								
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 4		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 #16AD: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8 min cadence-wNGT

Term	Pointing (x, y)	Comment
04/13 18:18:00 - 04/13 20:02:54	Fixed (-945.0, 0.0)	Coalignment E-limb #/
PROG= 20		
1-time(s)		
└ Subr= 1		
└ 1-time(s)		
└ 360.0sec		
└ Seqn= 28		
└ 15-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 #17AA: Al-mesh, Ti-poly - 384FOV with G-band context

Term	Pointing (x, y)	Comment
04/13 20:06:00 - 04/14 05:49:15	Track (246.8, -221.3) @ 04/13 20:03:00	Small Bi-pole region OBS
04/14 13:03:00 - 04/14 17:48:45	Track (384.2, -227.1) @ 04/14 13:00:00	Small Bi-pole OBS
04/14 18:25:30 - 04/15 05:59:24	Track (425.8, -229.3) @ 04/14 18:22:30	#Small Bi-pole OBS
PROG= 19		
Inf.-time(s)		
└ Subr= 2		
└ 1-time(s)		
└ 2.0sec		
└ Seqn= 62		
└ 1-time(s)		
└ 2.0sec		
Open/G-band	Open/G-band	open Safe Norm 16ms Obs 2x2 1024x1024 (1024, 1024) Q=98 0 0 2.0sec
└ Subr= 1		
└ 15-time(s)		
└ 180.0sec		
└ Seqn= 63		
└ 1-time(s)		
└ 2.0sec		
Open/Al-mesh	Open/Ti-poly	close Safe Norm 125ms Obs 1x1 384x384 (1024, 1024) Q=98 1 0 2.0sec
Open/Ti-poly	Open/thick-Al	close Safe Norm 250ms Obs 1x1 384x384 (1024, 1024) Q=98 1 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

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Active Region Search * * * * *

NOT USED

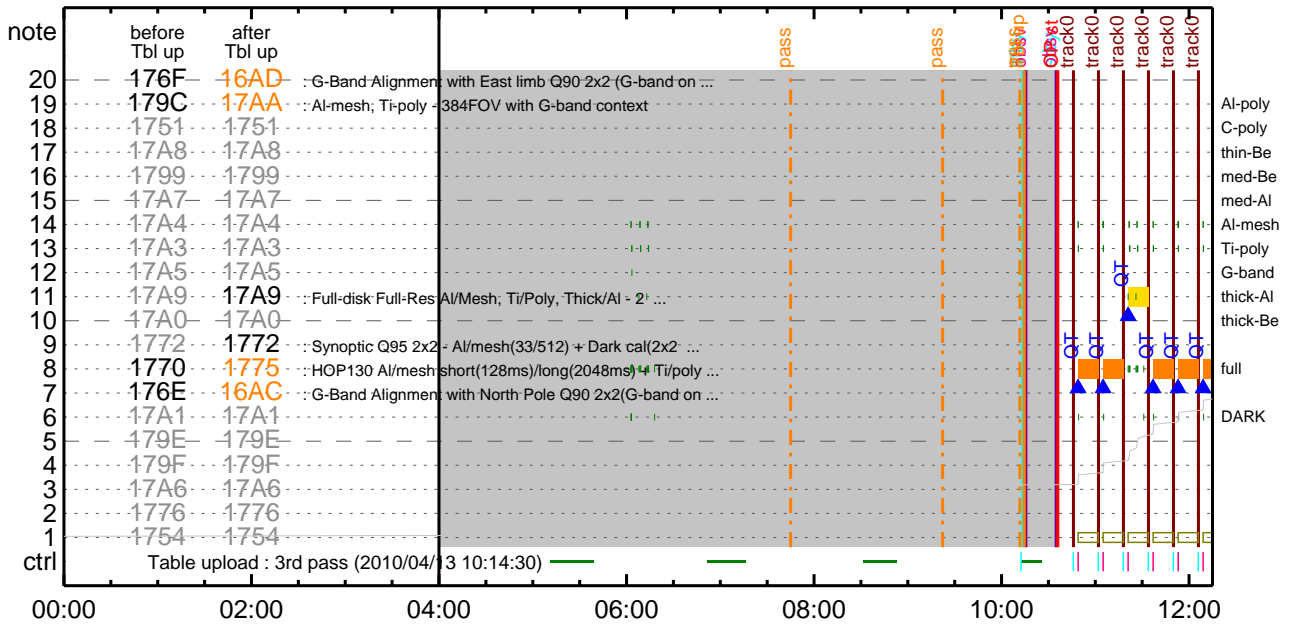
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Flare Detection * * * * *

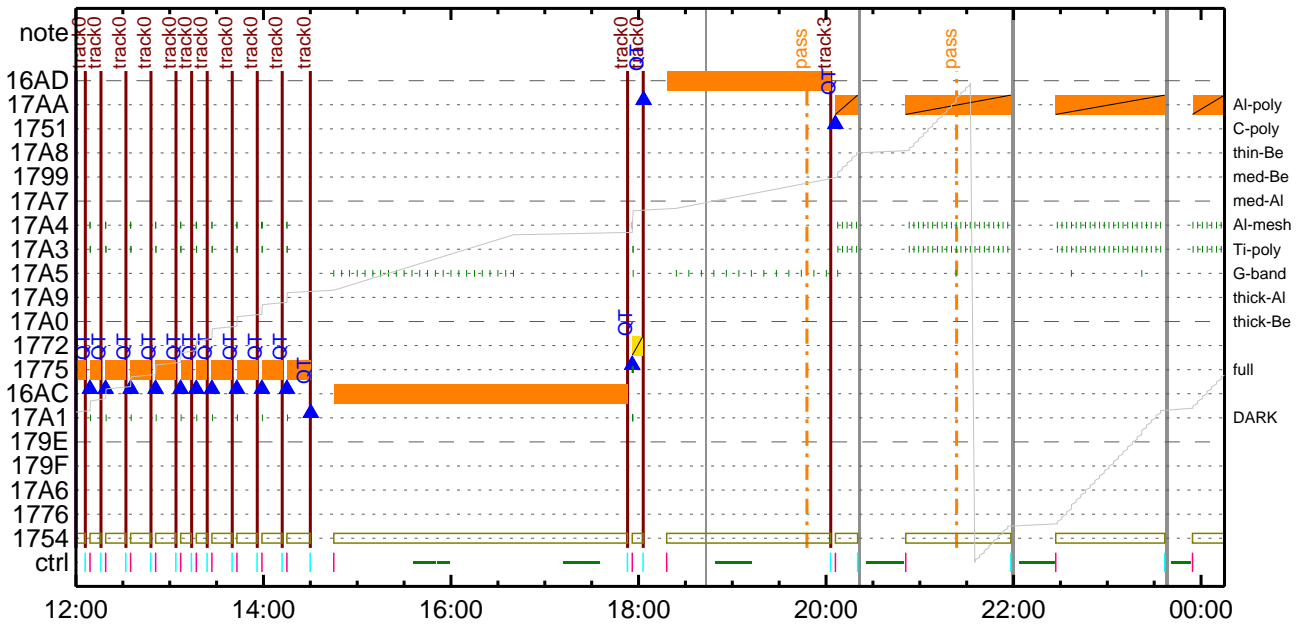
FLD Patrol

Term	Pointing (x, y)	Comment
04/13 10:46:16 - 04/13 14:30:20	Fixed (936.0, 0.0)	# OP start + 10min, Fullsun OBS. HOP130 No1
04/13 20:03:18 - 04/14 06:25:46	Track (246.8, -221.3) @ 04/13 20:03:00	Small Bi-pole region OBS
04/14 13:00:18 - 04/14 18:12:46	Track (384.2, -227.1) @ 04/14 13:00:00	Small Bi-pole OBS
04/14 18:22:48 - 04/15 05:59:46	Track (425.8, -229.3) @ 04/14 18:22:30	#Small Bi-pole OBS
Open/Ti-poly	Open/thick-Al	close Safe Norm 8ms Obs 8x8 Q=50 30sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

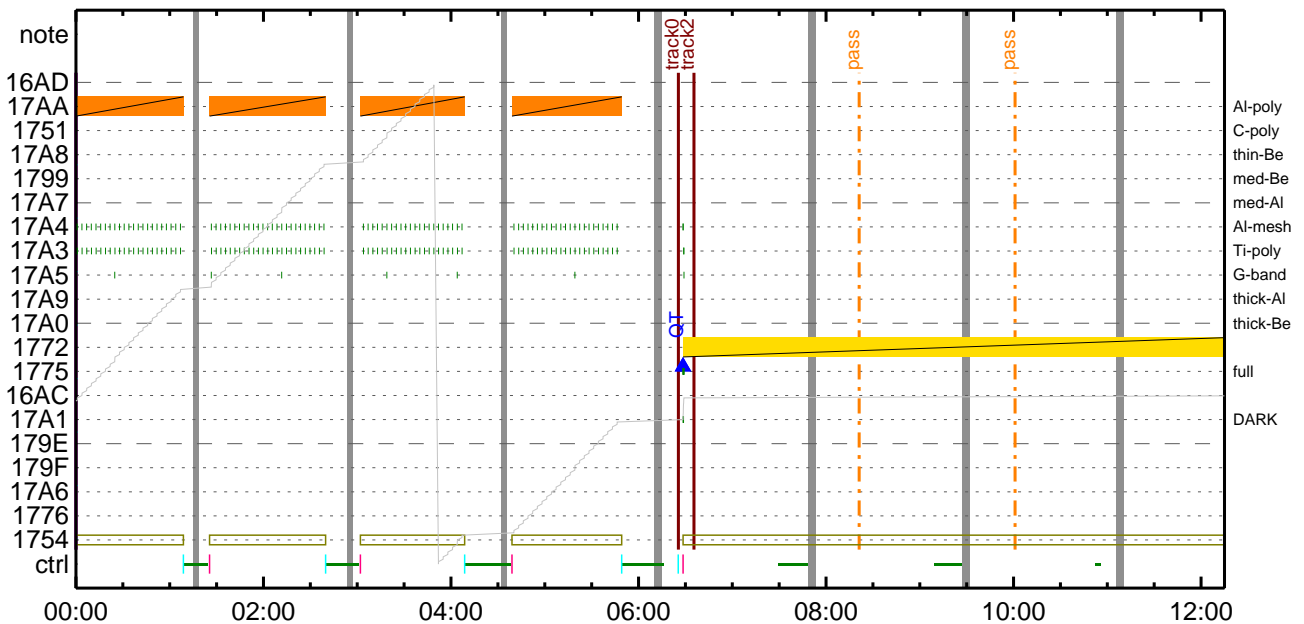
CMDI #0207 2010/04/13



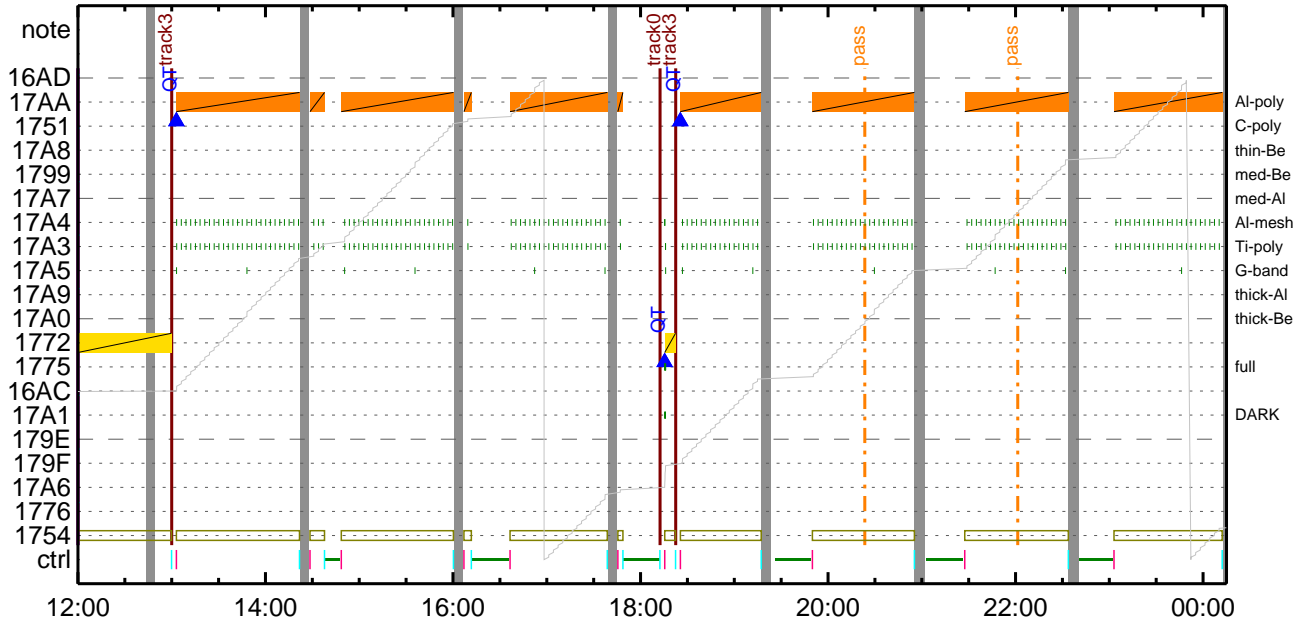
CMDI #0207 2010/04/13



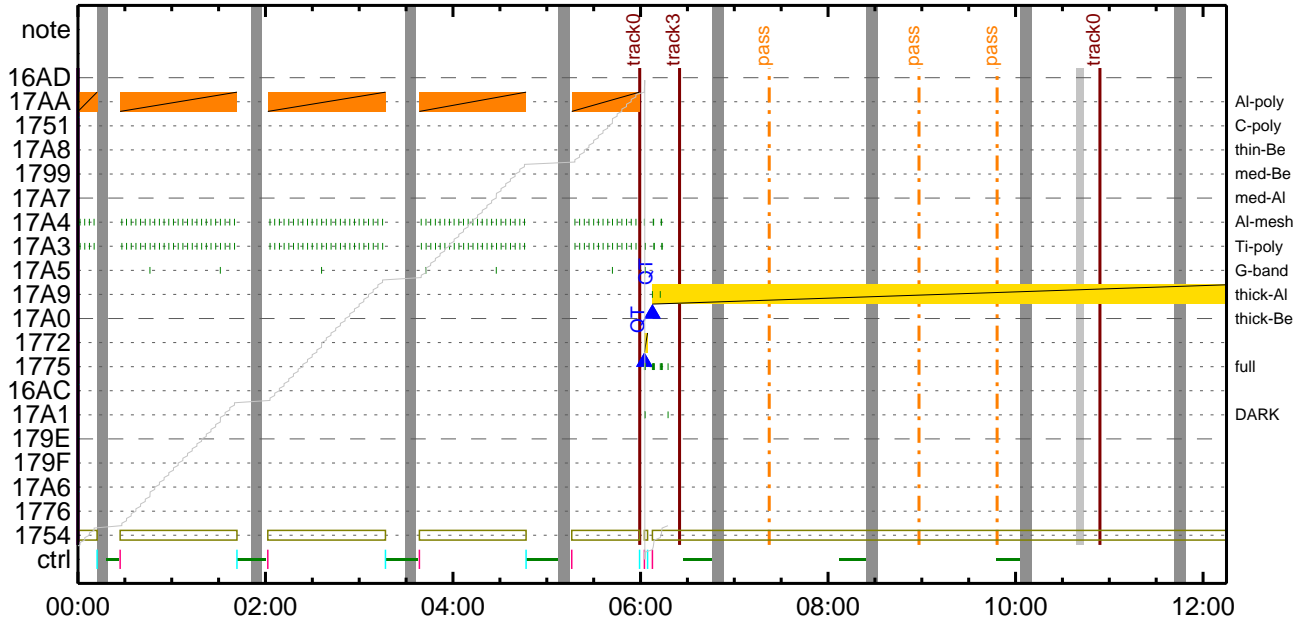
CMDI #0207 2010/04/14



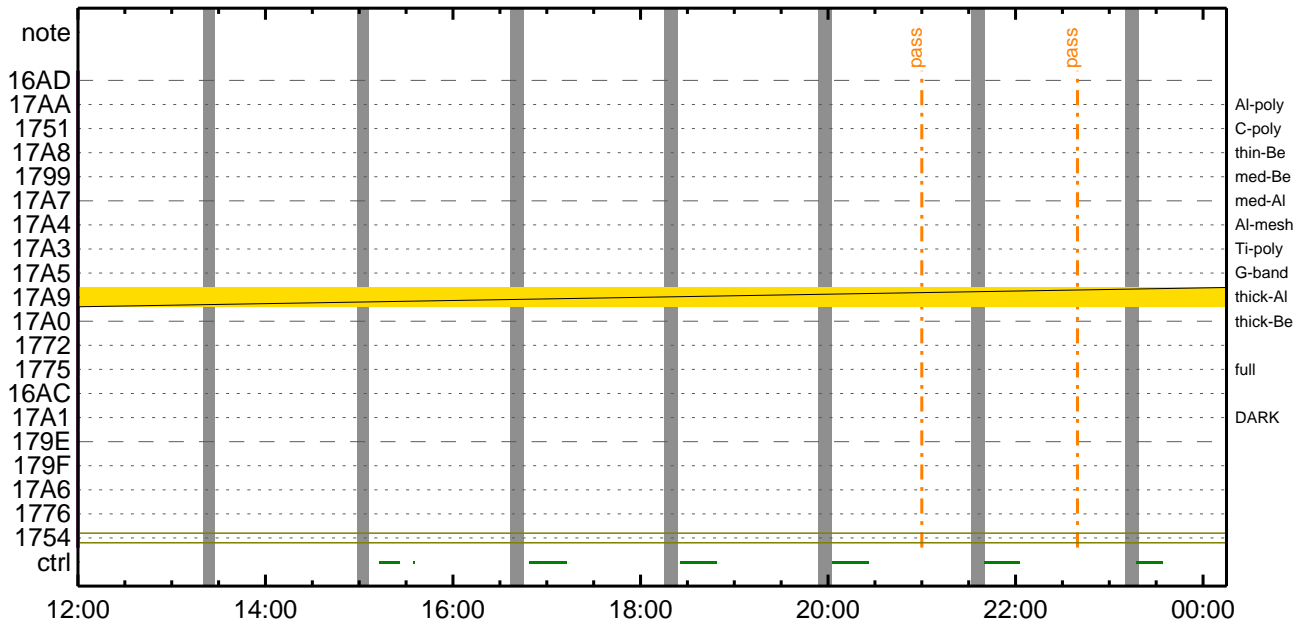
CMDI #0207 2010/04/14



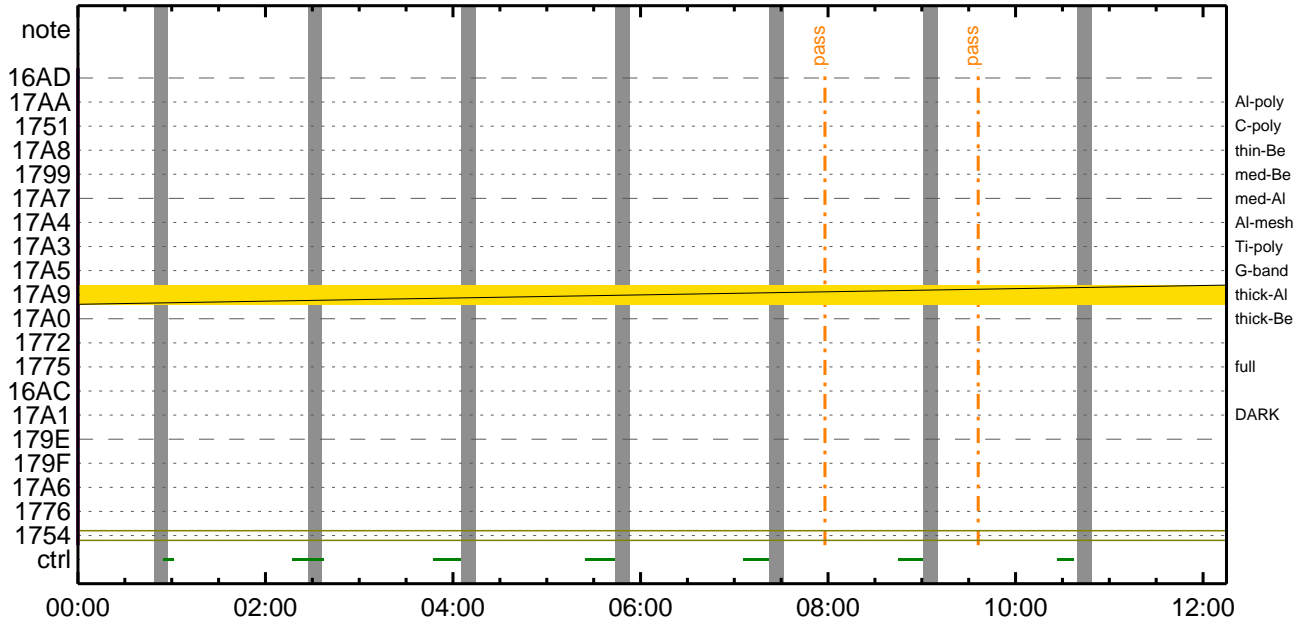
CMDI #0207 2010/04/15



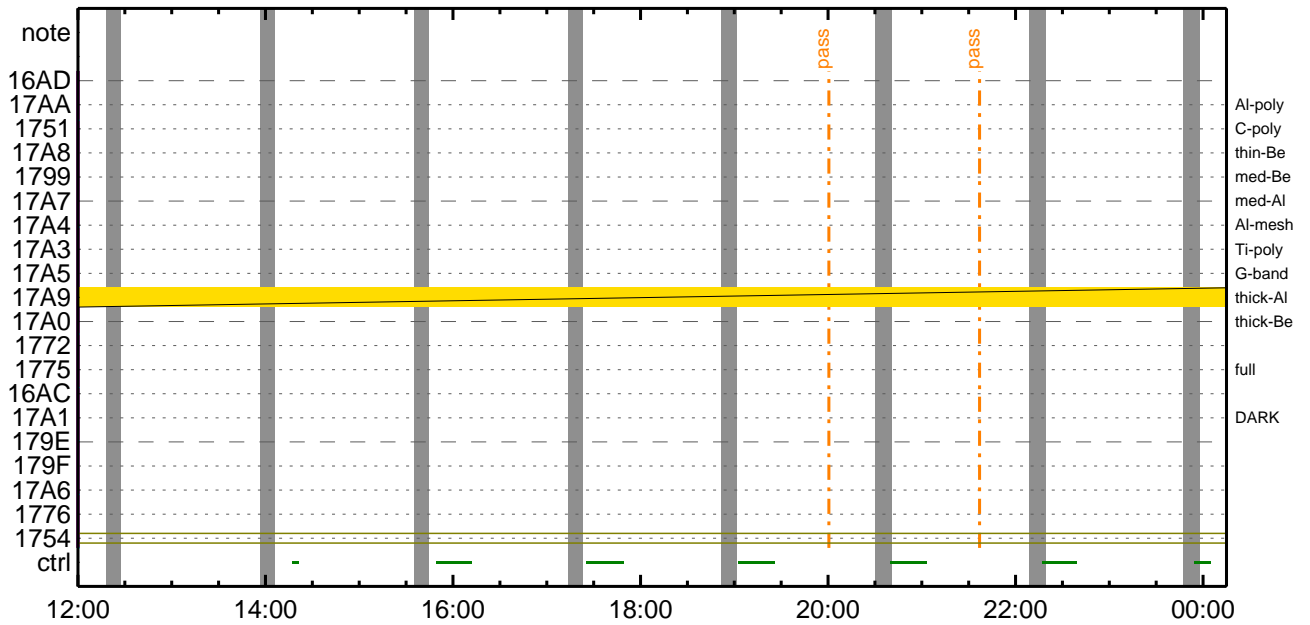
CMDI #0207 2010/04/15



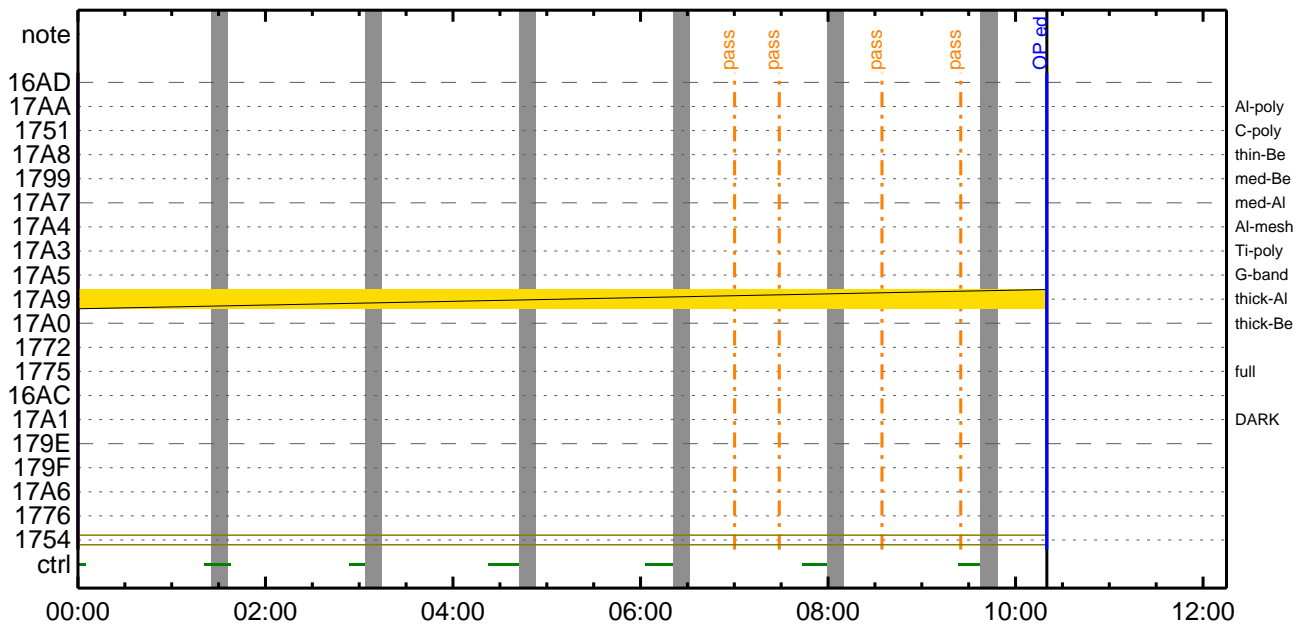
CMDI #0207 2010/04/16



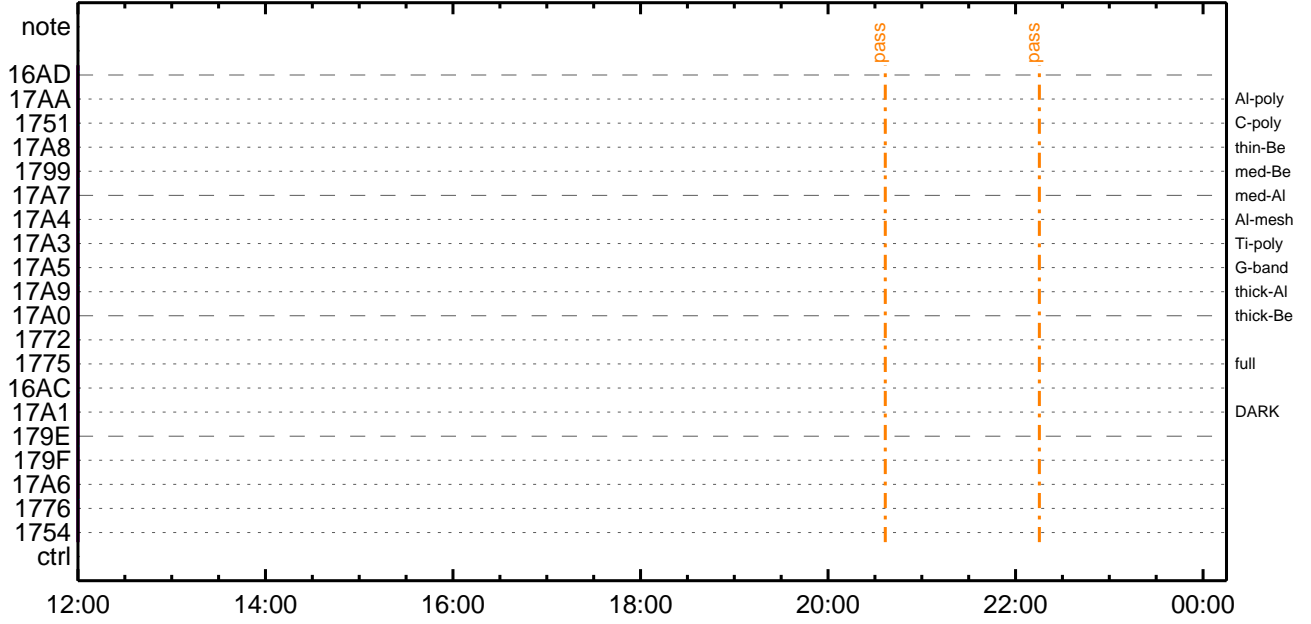
CMDI #0207 2010/04/16



CMDI #0207 2010/04/17



CMDI #0207 2010/04/17



(a) Spacecraft Operation Procedure (real-commands)

```
main-295 2010-04-13 12:56:13 289 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÄYSYÄY-¼Ä»Û;ä
0005 C.
0006 C. YÄYË;¼Y³YFÿÖYÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Äí;Éð¿ðÄð•µ°Æ»Í×ÁÇðÍYÇYÄY×YÍ;¼YÉ;ÉÈÈ¼µ•íÉ;ÈðÈ¼°Çð••¿¼í¹ÇðÍ;çÄ®, ùñ¹ðÈðBðÇÄ+¿®••ðÈððð³ðÈ;é
0011 +. DC 02-8E AOCS_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÄ+¿@µ;ON
0016 C. *****
0017 C. ¨ °ÄÄ, í×ÈYðÄLOSðBçðÍ»P´Öðð¹ÍÍ, ñ•; çÉÖÍ×ðÈXÄÖONðÍ¹ÖðÈð¹ðÈðð³ðÈ;é
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. XYDÿÖYÉYÍYÄY-¼ÖÄÖð-°ÄÄÈð•¿¿ðÉ; ç°È²¼ðÍ°ÄÄ, ¼È¼çðð¼Ä¹Öð¹ðÈ;é
0030 C.
0031 . C. *****
0032 C. DR PT1 ÄÍ¼í°ÄÄ,
0033 C. *****
0034 C. ¨ RESTART;ÉPT1;Èð•¿¿ð¼í¹ÇðÍ; ç°È²¼ðÍ¼Ä¹Öð»°; çDCBC-150ð¿¿Èðà;é
0035 C.
0036 . C. ;ãPT1°ÄÄ, ³«»Í;ä
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. ;ãYçYÖYÄYÉÄÜÄØ;ÈÄ•Ä°²ðÈð;È, äñ¹°ÄÄ, °Æ³«;ä
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. PT1°ÄÄ, ñ-¼«Æ°Ää»ðð•¿¿; ä; ç°È²¼ð¼Ä¹Öð¹ðÈ;é
0055 C. YçYÖYÄYÉÄÜÄØðÄÄ•Ä°²ðÈðð-¶áð¼í¹ÇðÍ´°Í»ð¹ðÈðBçÄÖðÄ;é
0056 C.
0057 . C. *****
0058 C. DR PT2 ÄÍ¼í°ÄÄ,
0059 C. *****
0060 C. ¨ RESTART;ÉPT2;Èð•¿¿ð¼í¹ÇðÍ; ç°È²¼ðÍ¼Ä¹Öð»°; çDCBC-151ð¿¿Èðà;é
0061 C.
0062 . C. ;ãPT2°ÄÄ, ³«»Í;ä
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. ;ãYçYÖYÄYÉÄÜÄØ;ÈÄ•Ä°²ðÈð;È, äñ¹°ÄÄ, °Æ³«;ä
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. DR°ÄÄ, Ää»Ë;çXÄ+¿@µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÄÄ, Ää»Ë;ä
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. ;ãXÄ+¿@µ;OFF;ä
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;ã
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-295:OP
0104 ( )
0105 S. OG og-295:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPîî°èYAYôYx;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. YAYôYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î¼E¹ç•è²îOK²³îÇ§
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. YAYôYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î¼E¹ç•è²îOK²³îÇ§
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. YAYôYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î¼E¹ç•è²îOK²³îÇ§
0165 C.
0166 C. ***** °E²¼²î¼E¹ç•è²îOK²³îÇ§ *****
0167 C. DHUYâ;4YE;E½Y½;Yi;4YE;Eòîã¹
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÷ç@NG²î¼E¹ç•è²¼²îTI-CMDÁ÷ç²î¼E¹Ô²•²E²³²E;f
0180 C. ²²²ç;çSET²E²DUMP²îE²±²îY²¹²ç¹Ô²|²³²E;f
0181 C.
0182 C. TIY³Y²YôYE²ò²ÁDîç(UT)
0183 +. TI 2010-04-13 10:31:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2010-04-13 10:31:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2010-04-13 10:31:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-297 2010-04-13 12:56:13 133 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿ãÀß•µ°È»Í×ÁÇ¿ÍYçYÁY×Yí;¼YÉ;ÈÈèµ•íÉ;ÈÈÈ¼°ÇÔã•¿¿¼í¹ç¿Í;çÀ®, ù¿¹ãÈßãÇÁ+¿®ã•¿Èãã¿ãÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 . C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-264:MDP_OBS_F
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 . C. < Resume FG table (auto mode) >
0036 +. DC 07-F0 MDP_FG_CTRL_AUTO
0037 BC (50)
0038 . C. -----
0039 C. MDP_FG_CTRL_MODE = AUTO [ ]
0040 C. -----
0041 C.
0042 C. *****
0043 C. SOT TI command set
0044 C. *****
0045 C. Execute, after the success of TBL upload.
0046 +. TI 2010-04-13 10:35:18.0
0047 DC 07-F0 MDP_SOT_MODE_OBSV
0048 BC (40)
0049 . C. -----
0050 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0051 C. -----
0052 C.
0053 C. Only when FG_CTRL_AUTO is used in RT.
0054 +. TI 2010-04-13 10:35:20.0
0055 DC 07-F0 MDP_FG_CTRL_AUTO
0056 BC (50)
0057 . C. -----
0058 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0059 C. -----
0060 C. ***** SOT END *****
0061 C.
0062 C. ***** XRT START *****
0063 C.
0064 +. DC 07-F0 MDP_XRT_CTRL_MANU
0065 BC (c1)
0066 + DC 07-F0 MDP_XRT_MODE_STBY
0067 BC (c3)
0068 . C. ----- Success Verify ? OK / NG_____
0069 C.
0070 C. XRT Obs. Table Upload
0071 . S. RAM ram-291:MDP_OBS_X
0072 ( )
0073 C.
0074 +. DC 07-F0 MDP_DUMP_XRTTBL
0075 BC (84 07 00 00 00 3a d4)
0076 . C. ----- Comparison Check ? OK / ERR _____
0077 C.
0078 C.
0079 +. DC 07-F0 MDP_XRT_ROI_SET
0080 BC (cd 01 b1 b1 04 04)
0081 + DC 07-F0 MDP_XRT_ROI_SET
0082 BC (cd 02 b1 b1 08 08)
0083 + DC 07-F0 MDP_XRT_ROI_SET
0084 BC (cd 03 b1 b1 08 08)
0085 + DC 07-F0 MDP_XRT_ROI_SET
0086 BC (cd 04 b1 b1 06 06)
0087 + DC 07-F0 MDP_XRT_ROI_SET
0088 BC (cd 06 80 80 20 20)
0089 + DC 07-F0 MDP_XRT_ROI_SET
0090 BC (cd 07 80 80 20 08)
0091 + DC 07-F0 MDP_XRT_ROI_SET
0092 BC (cd 08 80 80 08 20)
0093 + DC 07-F0 MDP_XRT_ROI_SET
0094 BC (cd 09 80 80 08 08)
0095 + DC 07-F0 MDP_XRT_ROI_SET
```

0096 BC (cd 0a 80 60 20 18)
0097 + DC 07-F0 MDP_XRT_ROI_SET
0098 BC (cd 0b a0 80 18 20)
0099 + DC 07-F0 MDP_XRT_ROI_SET
0100 BC (cd 0c 80 80 06 06)
0101 + DC 07-F0 MDP_XRT_ROI_SET
0102 BC (cd 0d 80 80 10 10)
0103 + DC 07-F0 MDP_XRT_AEC_RESET
0104 BC (d0)
0105 . C. ----- Success Verify ? OK / NG ____
0106 C.
0107 C.
0108 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0109 C.
0110 +. DC 07-F0 MDP_XRT_MODE_OBSV
0111 BC (c2)
0112 +. TI 2010-04-13 10:35:02.0
0113 DC 07-F0 MDP_XRT_MODE_OBSV
0114 BC (c2)
0115 . C. ----- Success Verify ? OK / NG ____
0116 C.
0117 C. ***** XRT END *****
0118 C.
0119 . C. ***** MDP 'úÃîñî»ö¼ýñëâðñ¹ñèDCBC•x²è *****
0120 C. (¼ãºîÿÓÿÄÿËÿÌÿÏÿàÿáÿäÿåÿçÿèñ¼ññ¼Ã»Ûñ¹ñè)
0121 . S. DC-BC dcbc-402:DCBC
0122 (MDP_known_event)
0123 C.
0124 C.
0125 . C. ***** ÿDÿ¹•Ï Daily±¿Îñë´Øñ¹ñèDCBC•x²è *****
0126 . S. DC-BC dcbc-153:DCBC
0127 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0128 C.
0129 C.
0130 . C. ;ãLOSÿÃÿ\$ÿÄÿÿ-¼Ã»Û;ä
0131 C.
0132 . C. ***** LOS *****
0133 C.

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*** OP Sequence for XRT ***

2010/04/13	10:45:54.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	10:45:56.0	XRT_FOCUS_POSITION_401_OG [0x191]				
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/04/13	10:46:00.0	AOCS_Ore-point_Start_1_OG [0x097]				
		AOCU_NM	5	02-76	00 00 00 ac cd	
2010/04/13	10:46:16.0	XRT_FLD_ENA_402_OG [0x192]				
		MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/04/13	10:46:18.0	XRT_FLD_RESET_403_OG [0x193]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2010/04/13	10:46:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/13	10:46:22.0	XRT_ARS_DIS_423_OG [0x1a7]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/13	10:48:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2010/04/13	10:49:00.0	XRT_CTRL_AUTO_408_OG [0x198]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	11:01:54.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	11:01:56.0	XRT_FOCUS_POSITION_401_OG [0x191]				
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/04/13	11:02:00.0	AOCS_Ore-point_Start_2_OG [0x098]				
		AOCU_NM	5	02-76	00 00 00 d6 67	
2010/04/13	11:02:16.0	XRT_FLD_ENA_402_OG [0x192]				
		MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/04/13	11:02:18.0	XRT_FLD_RESET_403_OG [0x193]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2010/04/13	11:02:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/13	11:02:22.0	XRT_ARS_DIS_423_OG [0x1a7]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/13	11:04:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2010/04/13	11:05:00.0	XRT_CTRL_AUTO_408_OG [0x198]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	11:17:54.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	11:17:56.0	XRT_FOCUS_POSITION_401_OG [0x191]				
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/04/13	11:18:00.0	AOCS_Ore-point_Start_3_OG [0x099]				
		AOCU_NM	5	02-76	00 00 00 00 00	
2010/04/13	11:18:16.0	XRT_FLD_ENA_402_OG [0x192]				
		MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/04/13	11:18:18.0	XRT_FLD_RESET_403_OG [0x193]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2010/04/13	11:18:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/13	11:18:22.0	XRT_ARS_DIS_423_OG [0x1a7]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/13	11:20:58.0	XRT_QT_PROG_SET_432_OG [0x1b0]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b	
2010/04/13	11:21:00.0	XRT_CTRL_AUTO_408_OG [0x198]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	11:33:54.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	11:33:56.0	XRT_FOCUS_POSITION_401_OG [0x191]				
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/04/13	11:34:00.0	AOCS_Ore-point_Start_4_OG [0x09a]				
		AOCU_NM	5	02-76	00 00 00 29 99	
2010/04/13	11:34:16.0	XRT_FLD_ENA_402_OG [0x192]				
		MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/04/13	11:34:18.0	XRT_FLD_RESET_403_OG [0x193]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2010/04/13	11:34:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/13	11:34:22.0	XRT_ARS_DIS_423_OG [0x1a7]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/13	11:36:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2010/04/13	11:37:00.0	XRT_CTRL_AUTO_408_OG [0x198]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	11:49:54.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	11:49:56.0	XRT_FOCUS_POSITION_401_OG [0x191]				
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/04/13	11:50:00.0	AOCS_Ore-point_Start_5_OG [0x09b]				
		AOCU_NM	5	02-76	00 00 00 53 33	
2010/04/13	11:50:16.0	XRT_FLD_ENA_402_OG [0x192]				
		MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/04/13	11:50:18.0	XRT_FLD_RESET_403_OG [0x193]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2010/04/13	11:50:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/13	11:50:22.0	XRT_ARS_DIS_423_OG [0x1a7]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/13	11:52:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2010/04/13	11:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	12:05:54.0	XRT_CTRL_MANU_400_OG [0x190]				

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2010/04/13	12:05:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/13	12:06:00.0	AOCs_OrE-point_Start_6_OG [0x09c]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2010/04/13	12:06:16.0	XRT_FLD_ENA_402_OG [0x192]	AOCU_NM	5	02-76	00	d6	36	b7 8e
2010/04/13	12:06:18.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/04/13	12:06:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/04/13	12:06:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/04/13	12:08:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/04/13	12:09:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08		
2010/04/13	12:15:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/13	12:15:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/13	12:16:00.0	AOCs_OrE-point_Start_7_OG [0x09d]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2010/04/13	12:16:16.0	XRT_FLD_ENA_402_OG [0x192]	AOCU_NM	5	02-76	00	b4	b5	db 75
2010/04/13	12:16:18.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/04/13	12:16:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/04/13	12:16:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/04/13	12:18:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/04/13	12:19:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08		
2010/04/13	12:31:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/13	12:31:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/13	12:32:00.0	AOCs_OrE-point_Start_8_OG [0x09e]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2010/04/13	12:32:16.0	XRT_FLD_ENA_402_OG [0x192]	AOCU_NM	5	02-76	00	ac	5b	00 00
2010/04/13	12:32:18.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/04/13	12:32:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/04/13	12:32:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/04/13	12:34:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/04/13	12:35:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08		
2010/04/13	12:47:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/13	12:47:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/13	12:48:00.0	AOCs_OrE-point_Start_9_OG [0x09f]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2010/04/13	12:48:16.0	XRT_FLD_ENA_402_OG [0x192]	AOCU_NM	5	02-76	00	b4	b5	24 8b
2010/04/13	12:48:18.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/04/13	12:48:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/04/13	12:48:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/04/13	12:50:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/04/13	12:51:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08		
2010/04/13	13:03:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/13	13:03:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/13	13:04:00.0	AOCs_OrE-point_Start_10_OG [0x0a0]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2010/04/13	13:04:16.0	XRT_FLD_ENA_402_OG [0x192]	AOCU_NM	5	02-76	00	d6	36	48 72
2010/04/13	13:04:18.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/04/13	13:04:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/04/13	13:04:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/04/13	13:06:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/04/13	13:07:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08		
2010/04/13	13:13:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/13	13:13:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/13		XRT_FOCUS_POSITION	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00

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2010/04/13	13:14:00.0	AOCS_OrE-point_Start_11_OG [0x0a1]							
		AOCU_NM	5	02-76	00	29	ca	b7	8e
2010/04/13	13:14:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0					d8
2010/04/13	13:14:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0					da
2010/04/13	13:14:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0					c9
2010/04/13	13:14:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0					d5
2010/04/13	13:16:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0					c4 08
2010/04/13	13:17:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0					c0
2010/04/13	13:23:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0					c1
2010/04/13	13:23:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8					22 fe 97 00
2010/04/13	13:24:00.0	AOCS_OrE-point_Start_12_OG [0x0a2]							
		AOCU_NM	5	02-76	00				4b 4b db 75
2010/04/13	13:24:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0					d8
2010/04/13	13:24:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0					da
2010/04/13	13:24:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0					c9
2010/04/13	13:24:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0					d5
2010/04/13	13:26:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0					c4 08
2010/04/13	13:27:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0					c0
2010/04/13	13:39:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0					c1
2010/04/13	13:39:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8					22 fe 97 00
2010/04/13	13:40:00.0	AOCS_OrE-point_Start_13_OG [0x0a3]							
		AOCU_NM	5	02-76	00				53 a5 00 00
2010/04/13	13:40:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0					d8
2010/04/13	13:40:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0					da
2010/04/13	13:40:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0					c9
2010/04/13	13:40:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0					d5
2010/04/13	13:42:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0					c4 08
2010/04/13	13:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0					c0
2010/04/13	13:55:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0					c1
2010/04/13	13:55:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8					22 fe 97 00
2010/04/13	13:56:00.5	AOCS_OrE-point_Start_14_OG [0x0a4]							
		AOCU_NM	5	02-76	00				4b 4b 24 8b
2010/04/13	13:56:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0					d8
2010/04/13	13:56:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0					da
2010/04/13	13:56:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0					c9
2010/04/13	13:56:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0					d5
2010/04/13	13:58:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0					c4 08
2010/04/13	13:59:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0					c0
2010/04/13	14:11:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0					c1
2010/04/13	14:11:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8					22 fe 97 00
2010/04/13	14:12:00.0	AOCS_OrE-point_Start_15_OG [0x0a5]							
		AOCU_NM	5	02-76	00				29 db 48 72
2010/04/13	14:12:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0					d8
2010/04/13	14:12:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0					da
2010/04/13	14:12:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0					c9
2010/04/13	14:12:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0					d5
2010/04/13	14:14:58.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0					c4 08
2010/04/13	14:15:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0					c0
2010/04/13	14:29:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0					c1
2010/04/13	14:29:56.0	XRT_FOCUS_POSITION_433_OG [0x1b1]							
		XRT_FOCUS_POSITION	4	07-F8					22 fe 97 00
2010/04/13	14:30:00.0	AOCS_OrE-point_Start_16_OG [0x0a6]							
		AOCU_NM	5	02-76	00				ac 00 00 00
2010/04/13	14:30:16.0	XRT_QT_PROG_SET_421_OG [0x1a5]							

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2010/04/13	14:30:18.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/13	14:30:20.0	XRT_FLD_DIS_426_OG [0x1aa]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/13	14:30:22.0	XRT_FLRCTRL_DIS_446_OG [0x1be]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/13	14:45:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	17:52:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	17:52:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/04/13	17:53:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00	00
2010/04/13	17:53:16.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/13	17:53:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/13	17:53:20.0	XRT_ARS_DIS_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/13	17:55:58.0	XRT_QT_PROG_SET_430_OG [0x1ae]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2010/04/13	17:56:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	18:02:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	18:02:56.0	XRT_FOCUS_POSITION_433_OG [0x1b1]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2010/04/13	18:03:00.0	AOCS_OrE-point_Start_17_OG [0x0a7]	AOCU_NM	5	02-76	00 00 00 54	00
2010/04/13	18:03:16.0	XRT_QT_PROG_SET_445_OG [0x1bd]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	14
2010/04/13	18:03:18.0	XRT_ARS_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/13	18:03:20.0	XRT_FLD_DIS_426_OG [0x1aa]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/13	18:03:22.0	XRT_FLRCTRL_DIS_446_OG [0x1be]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/13	18:18:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	20:02:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	20:02:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/04/13	20:03:00.0	AOCS_OrE-point_Start_18_OG [0x0a8]	AOCU_NM	5	02-76	03 00 00 00	00
2010/04/13	20:03:16.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2010/04/13	20:03:18.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/04/13	20:03:20.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/04/13	20:03:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/13	20:03:24.0	XRT_ARS_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/13	20:05:58.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13
2010/04/13	20:06:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	20:20:15.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	20:50:00.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	20:51:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	21:58:15.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	22:26:00.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	22:27:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	23:36:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/13	23:53:30.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/13	23:54:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	01:08:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	01:24:30.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	01:25:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	02:39:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	03:01:00.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	03:02:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	04:08:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	04:38:00.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	04:39:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	05:49:15.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	

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2010/04/14	06:25:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	06:25:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/04/14	06:25:30.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00	
2010/04/14	06:25:46.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/14	06:25:48.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/14	06:25:50.0	XRT_ARS_DIS_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/14	06:28:28.0	XRT_QT_PROG_SET_430_OG [0x1ae]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09	
2010/04/14	06:28:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	06:35:30.0	AOCS_ORe-point_Start_19_OG [0x0a9]	AOCU_NM	5	02-76	02 00 00 00 00	
2010/04/14	12:59:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	12:59:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/04/14	13:00:00.0	AOCS_ORe-point_Start_18_OG [0x0a8]	AOCU_NM	5	02-76	03 00 00 00 00	
2010/04/14	13:00:16.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2010/04/14	13:00:18.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/04/14	13:00:20.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/04/14	13:00:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/14	13:00:24.0	XRT_ARS_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/14	13:02:58.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13	
2010/04/14	13:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	14:21:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	14:27:30.0	XRT_Custom_410_OG [0x19a]					
2010/04/14	14:28:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	14:37:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	14:47:30.0	XRT_Custom_410_OG [0x19a]					
2010/04/14	14:48:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	16:00:15.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	16:06:00.0	XRT_Custom_410_OG [0x19a]					
2010/04/14	16:07:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	16:11:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	16:35:30.0	XRT_Custom_410_OG [0x19a]					
2010/04/14	16:36:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	17:38:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	17:44:30.0	XRT_Custom_410_OG [0x19a]					
2010/04/14	17:45:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	17:48:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	18:12:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	18:12:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/04/14	18:12:30.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00	
2010/04/14	18:12:46.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/14	18:12:48.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/14	18:12:50.0	XRT_ARS_DIS_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/14	18:15:28.0	XRT_QT_PROG_SET_430_OG [0x1ae]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09	
2010/04/14	18:15:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/14	18:22:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/14	18:22:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/04/14	18:22:30.0	AOCS_ORe-point_Start_18_OG [0x0a8]	AOCU_NM	5	02-76	03 00 00 00 00	
2010/04/14	18:22:46.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2010/04/14	18:22:48.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/04/14	18:22:50.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da	

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2010/04/14	18:22:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2010/04/14	18:22:54.0	XRT_ARS_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/04/14	18:25:28.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13	
2010/04/14	18:25:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/04/14	19:17:15.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/04/14	19:49:00.0	XRT_Custom_410_OG [0x19a]						
2010/04/14	19:50:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/04/14	20:55:15.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/04/14	21:26:30.0	XRT_Custom_410_OG [0x19a]						
2010/04/14	21:27:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/04/14	22:33:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/04/14	23:02:00.0	XRT_Custom_410_OG [0x19a]						
2010/04/14	23:03:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/04/15	00:12:15.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/04/15	00:26:00.0	XRT_Custom_410_OG [0x19a]						
2010/04/15	00:27:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/04/15	01:41:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/04/15	02:00:30.0	XRT_Custom_410_OG [0x19a]						
2010/04/15	02:01:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/04/15	03:16:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/04/15	03:37:30.0	XRT_Custom_410_OG [0x19a]						
2010/04/15	03:38:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/04/15	04:46:45.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/04/15	05:15:00.0	XRT_Custom_410_OG [0x19a]						
2010/04/15	05:16:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/04/15	05:59:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/04/15	05:59:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00	
2010/04/15	05:59:30.5	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00	00 00	
2010/04/15	05:59:46.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2010/04/15	05:59:48.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2010/04/15	05:59:50.0	XRT_ARS_DIS_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/04/15	06:02:28.0	XRT_QT_PROG_SET_430_OG [0x1ae]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09	
2010/04/15	06:02:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/04/15	06:04:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/04/15	06:04:32.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00	
2010/04/15	06:04:52.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2010/04/15	06:04:54.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2010/04/15	06:04:56.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2010/04/15	06:04:58.0	XRT_ARS_DIS_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/04/15	06:07:36.0	XRT_QT_PROG_SET_432_OG [0x1b0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b	
2010/04/15	06:07:38.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/04/15	06:25:00.0	AOCS_Ore-point_Start_18_OG [0x0a8]	AOCU_NM	5	02-76	03 00 00 00	00 00	
2010/04/15	10:54:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00	00 00	