

XRT Timeline to be uploaded on 2010/04/26

Period: 2010/04/26 11:00:00 - 2010/04/30 10:13:00

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Normal mode

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XOB #17AE: HOP 159 Al/mesh - G Band alignment - 1x1 - 384FOV - 512FOV context - 30s cadence - AEC3 - Q92												
Term	Pointing (x, y)							Comment				
04/26 11:13:00 - 04/26 17:59:54	Track (124.7, 333.2)	<small>Ⓢ 04/26 11:10:00</small>	# OP start + 10min, Track active area near disk center.									
04/26 18:13:00 - 04/26 23:59:54	Track (185.6, 331.9)	<small>Ⓢ 04/26 18:10:00</small>	# Cont.									
04/27 02:03:02 - 04/27 05:42:00	Track (379.3, 319.4)	<small>Ⓢ 04/27 02:00:00</small>	* Track active area, wiht HOP 159 pointing (joint with AIA).									
04/27 06:41:30 - 04/27 12:10:54	Track (291.9, 328.8)	<small>Ⓢ 04/27 06:38:30</small>	# active area.									
04/27 22:13:00 - 04/28 05:52:24	Track (418.0, 323.6)	<small>Ⓢ 04/27 22:10:00</small>	# Track active area.									
PROG= 05 Inf.-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 64 1-time(s) 2.0sec												
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs 1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
└─ Subr= 2 90-time(s) 2.0sec												
└─ Seqn= 69 1-time(s) 30.0sec												
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs 1x1	384x384 (1024, 1024)	Q=92	3	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

XOB #1754: Synoptic Q95 2x2 - Al/mesh(64/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(128/2048) + G-band(16/1024)												
Term	Pointing (x, y)							Comment				
04/26 18:04:24 - 04/26 18:09:54	Fixed (0.0, 0.0)	synoptic										
04/27 06:21:30 - 04/27 06:24:30	Fixed (0.0, 0.0)	synoptic, shifted 18.5 min, extended for joint XRT-AIA observations.										
04/27 22:03:00 - 04/27 22:09:54	Fixed (0.0, 0.0)	synoptic, shifted manually.										
04/28 05:55:30 - 04/28 06:02:24	Fixed (0.0, 0.0)	synoptic, shifted -7.5 min										
PROG= 01 1-time(s)												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 6 1-time(s) 4.0sec												
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	63ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	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= 7 1-time(s) 4.0sec												
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	125ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	2.00s	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 #17AC: HOP146 2-filter - Ti/poly 8s, Al/mesh 4s, G-band - 512FOV - Q90												
Term	Pointing (x, y)							Comment				
04/27 00:03:00 - 04/27 01:59:54	Fixed (0.0, -945.0)	* S pole for high-cadence Ca II obs.										
PROG= 02 Inf.-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 64 1-time(s) 2.0sec												
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs 1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
└─ Subr= 2 12-time(s) 300.0sec												
└─ Seqn= 65 2-time(s) 30.0sec												
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs 1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs 1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

XOB #17AD: Full-disk Full-Res Al/Mesh (256/4096), Ti/Poly (512/8192), Thick/Al (46s)- 2 loops												
Term	Pointing (x, y)							Comment				
04/27 06:25:02 - 04/27 06:38:24	Fixed (0.0, 0.0)	synoptic, shifted 18.5 min, extended for joint XRT-AIA observations.										
PROG= 16 1-time(s)												
└─ Subr= 1 2-time(s) 300.0sec												
└─ Seqn= 68 1-time(s) 2.0sec												
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	45.2s	Obs 1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 67 1-time(s) 2.0sec												
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs 1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	4.00s	Obs 1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 66 1-time(s) 2.0sec												
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs 1x1	2048x2048 (1024, 1024)	Q=95	0	0	0.5sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8.00s	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 #1748: HOP79 G-Band Q90 2x2 - Al/mesh - Ti/Poly 384FOV

Term	Pointing (x, y)	Comment
04/27 12:14:00 - 04/27 12:30:30	Fixed (-903.5, -7.0)	* HOP 79, SOT E-W irradiance scan.
04/27 12:54:00 - 04/27 13:10:54	Fixed (-505.3, -7.0)	
04/27 13:14:00 - 04/27 13:30:54	Fixed (-306.2, -7.0)	
04/27 13:34:00 - 04/27 13:50:54	Fixed (-107.2, -7.0)	
04/27 13:54:00 - 04/27 14:31:30	Fixed (91.9, -7.0)	
04/27 14:43:30 - 04/27 15:00:24	Fixed (290.9, -7.0)	
04/27 15:03:30 - 04/27 15:20:24	Fixed (490.0, -7.0)	
04/27 15:23:30 - 04/27 15:40:24	Fixed (689.1, -7.0)	
04/27 15:43:30 - 04/27 15:47:30	Fixed (888.1, -7.0)	
04/27 16:32:30 - 04/27 16:49:24	Fixed (-911.4, -236.1)	
04/27 16:52:30 - 04/27 17:09:24	Fixed (-758.3, -208.9)	
04/27 17:12:30 - 04/27 17:26:00	Fixed (-579.5, -194.2)	
04/27 18:09:30 - 04/27 18:26:24	Fixed (-395.0, -185.3)	
04/27 18:29:30 - 04/27 18:46:24	Fixed (-205.2, -180.3)	
04/27 18:49:30 - 04/27 19:04:30	Fixed (-10.7, -178.7)	
04/27 19:46:00 - 04/27 20:02:54	Fixed (173.2, -180.3)	
04/27 20:06:00 - 04/27 20:22:54	Fixed (363.0, -185.3)	
04/27 20:26:00 - 04/27 20:43:00	Fixed (547.5, -194.2)	
04/27 21:23:30 - 04/27 21:40:24	Fixed (726.3, -208.9)	
04/27 21:43:30 - 04/27 21:59:54	Fixed (895.4, -243.1)	* HOP 79 E-W, last pointing.

PROG= 07 1-time(s)

Subr= 1 1-time(s) 120.0sec

Seqn= 77 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= 78 6-time(s) 120.0sec

Open/Al-mesh Open/Al-mesh close Safe Norm 1.00s Obs 1x1 384x384 (1024, 1024) Q=90 0 0 2.0sec

Open/Ti-poly Open/Ti-poly close Safe Norm 4.00s 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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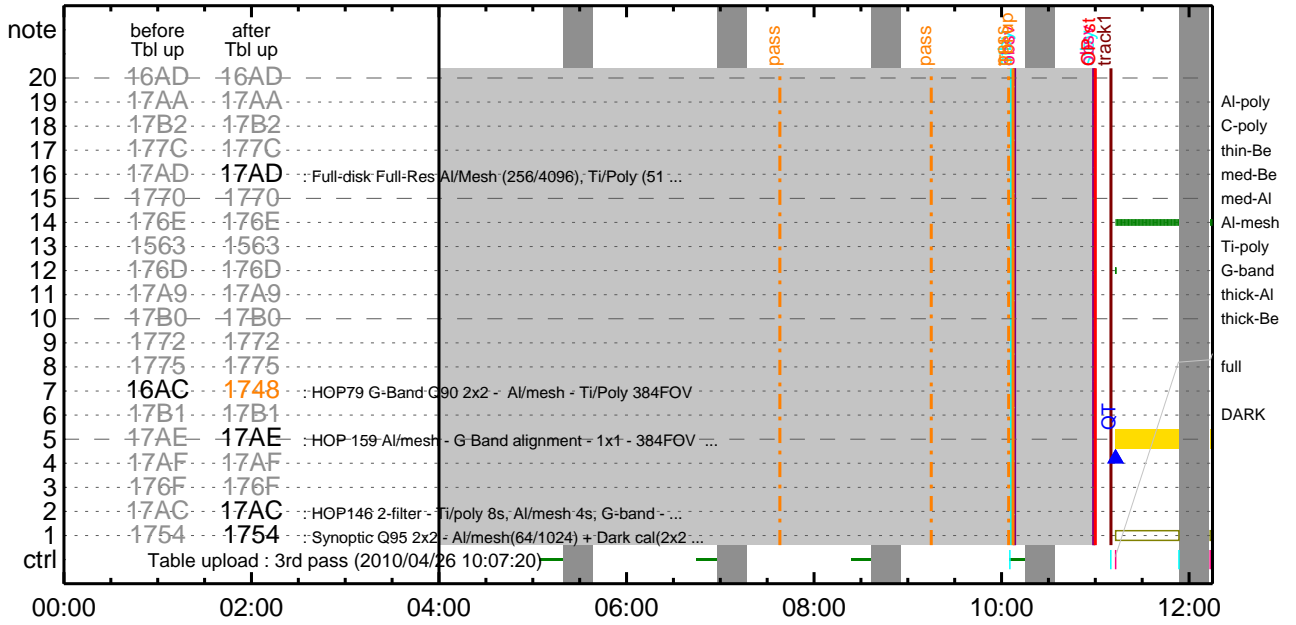
Flare Detection

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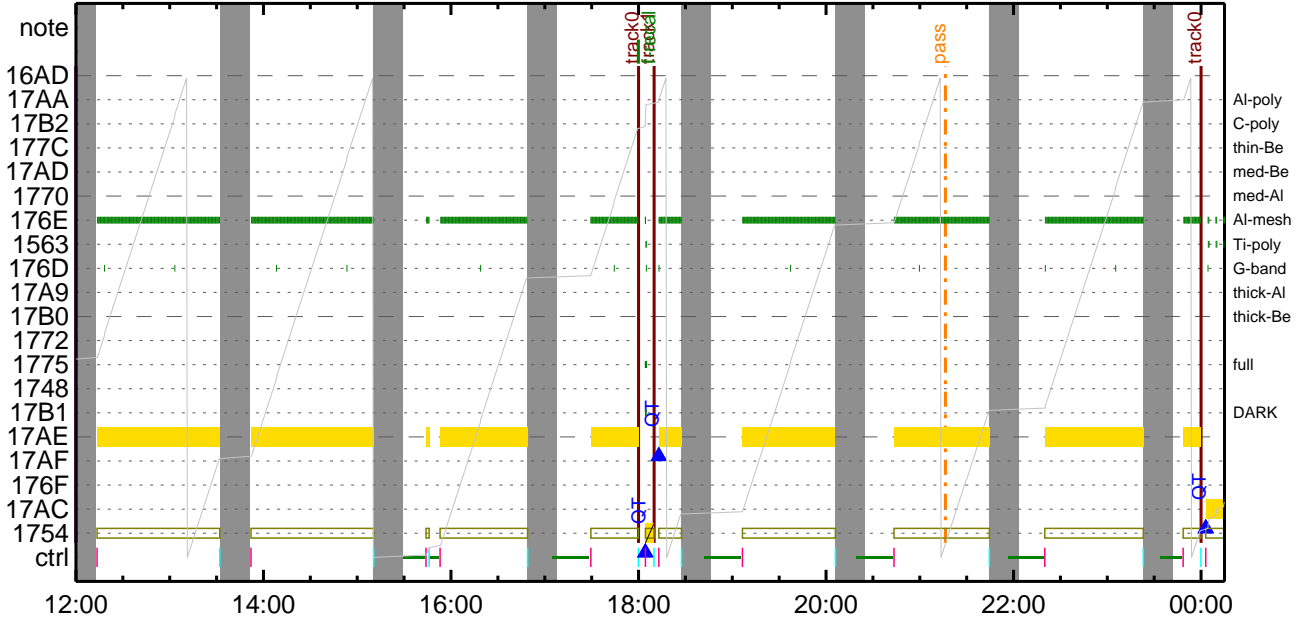
FLD Patrol

Term	Pointing (x, y)	Comment
04/26 11:10:18 - 04/26 18:04:16	Track (124.7, 333.2) ^{Ⓜ 04/26 11:10:00}	# OP start + 10min, Track active area near disk center.
04/26 18:10:18 - 04/27 06:18:46	Track (185.6, 331.9) ^{Ⓜ 04/26 18:10:00}	# Cont.
04/27 06:38:48 - 04/27 22:00:16	Track (291.9, 328.8) ^{Ⓜ 04/27 06:38:30}	# active area.
04/27 22:10:18 - 04/28 05:52:46	Track (418.0, 323.6) ^{Ⓜ 04/27 22:10:00}	# Track active area.
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	

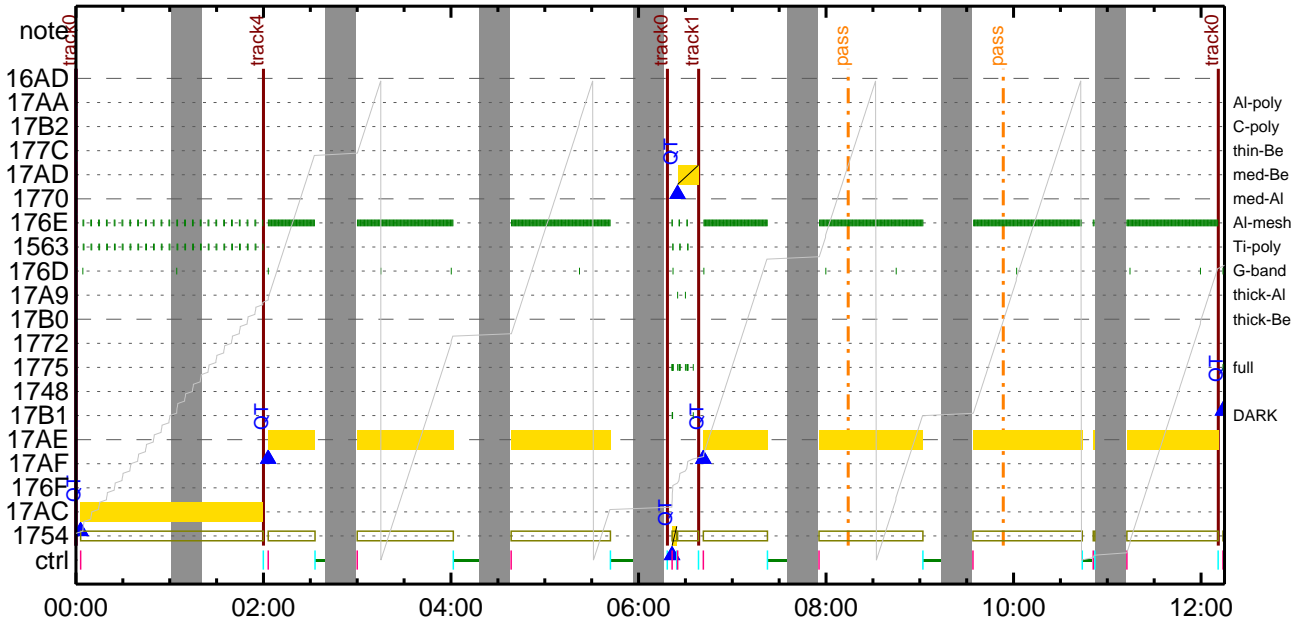
CMDI #0231 2010/04/26



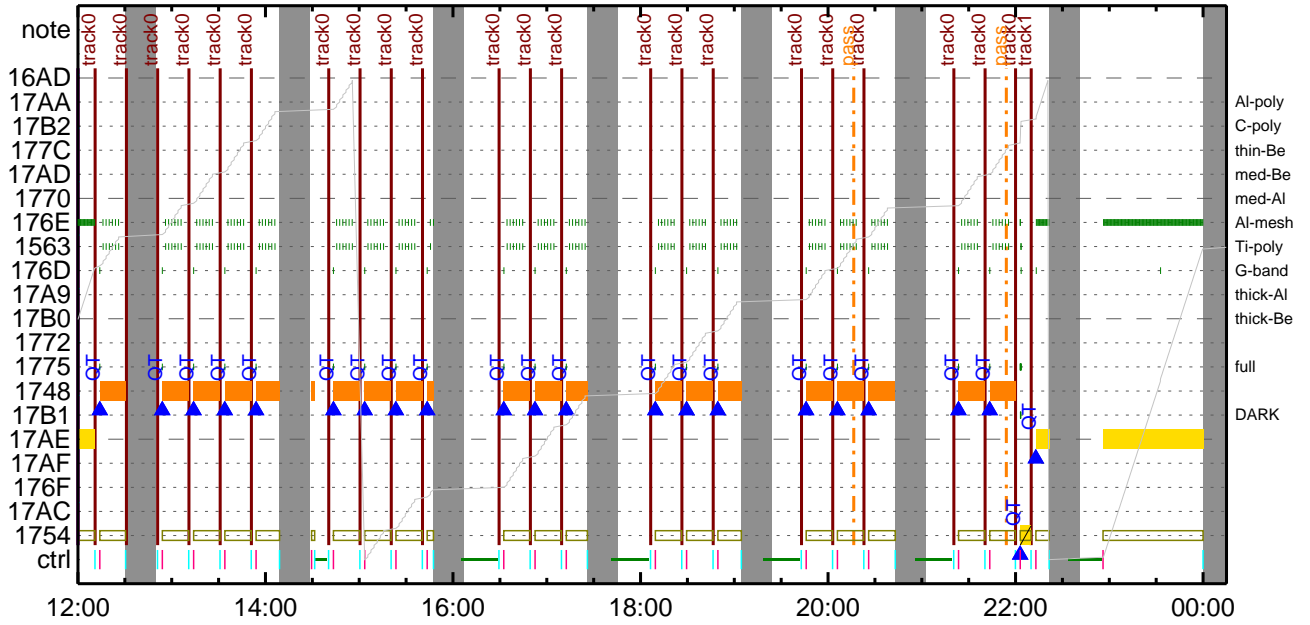
CMDI #0231 2010/04/26



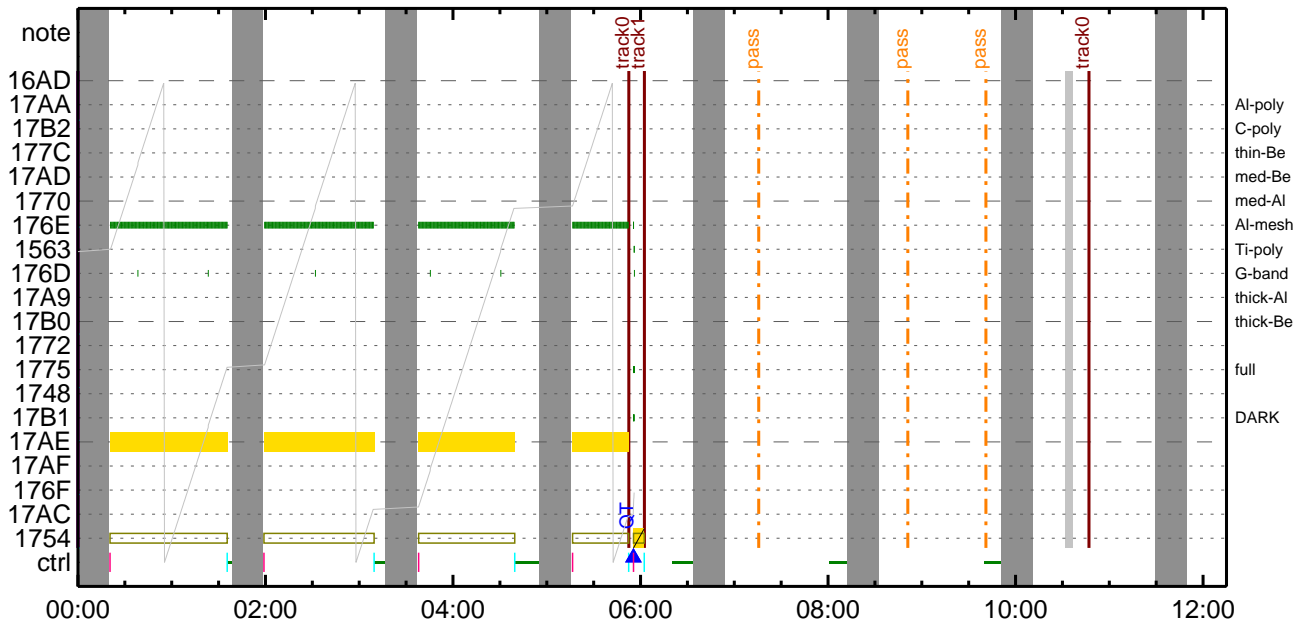
CMDI #0231 2010/04/27



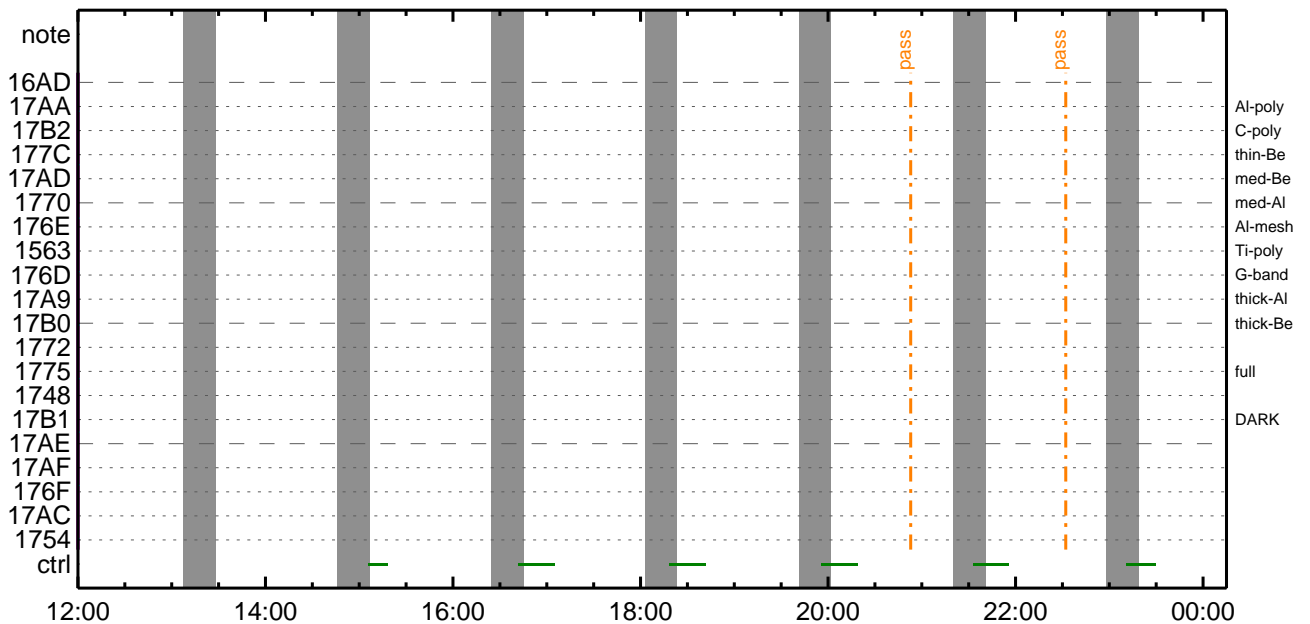
CMDI #0231 2010/04/27



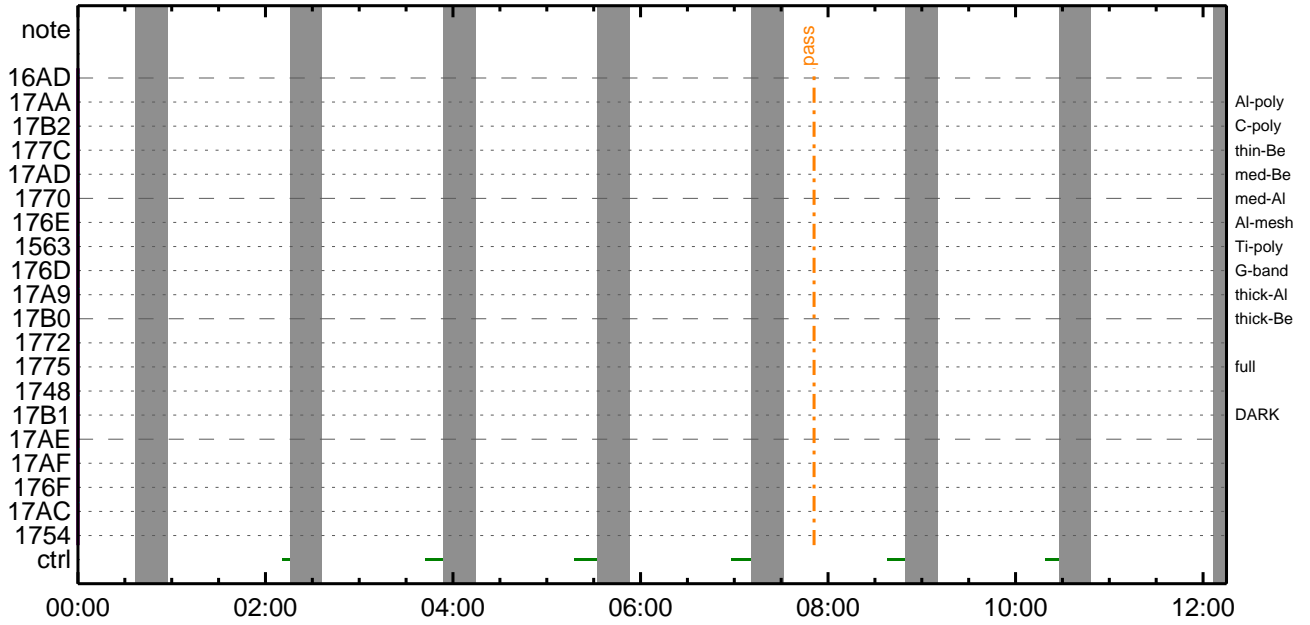
CMDI #0231 2010/04/28



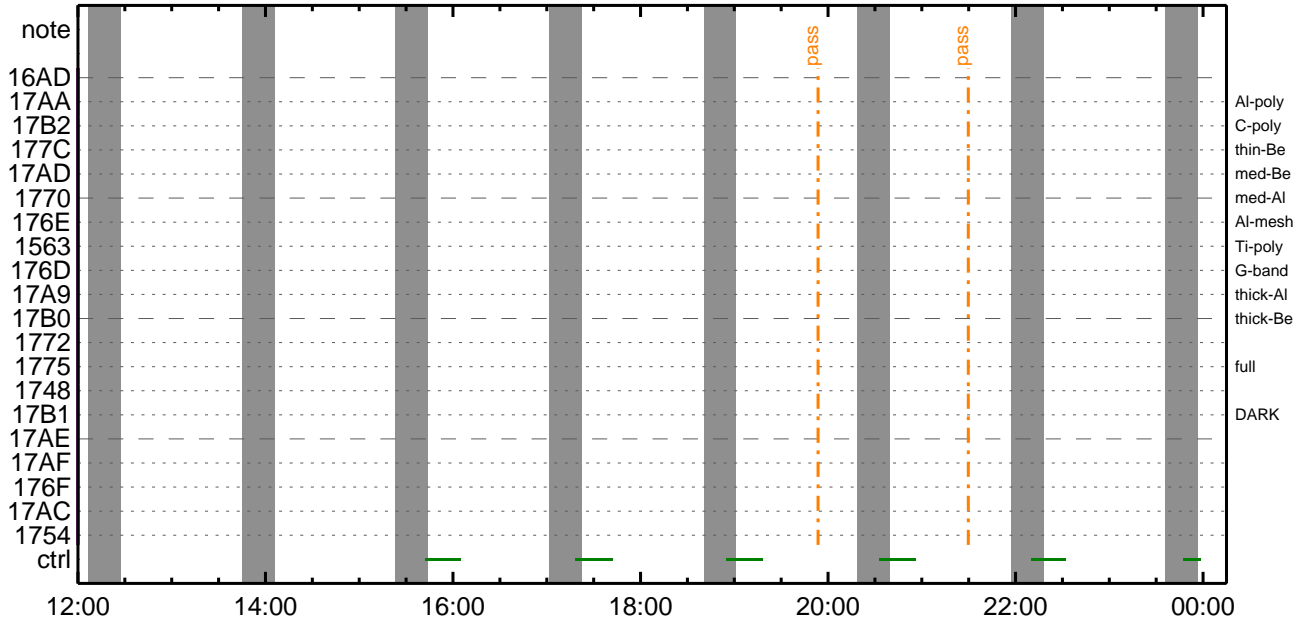
CMDI #0231 2010/04/28



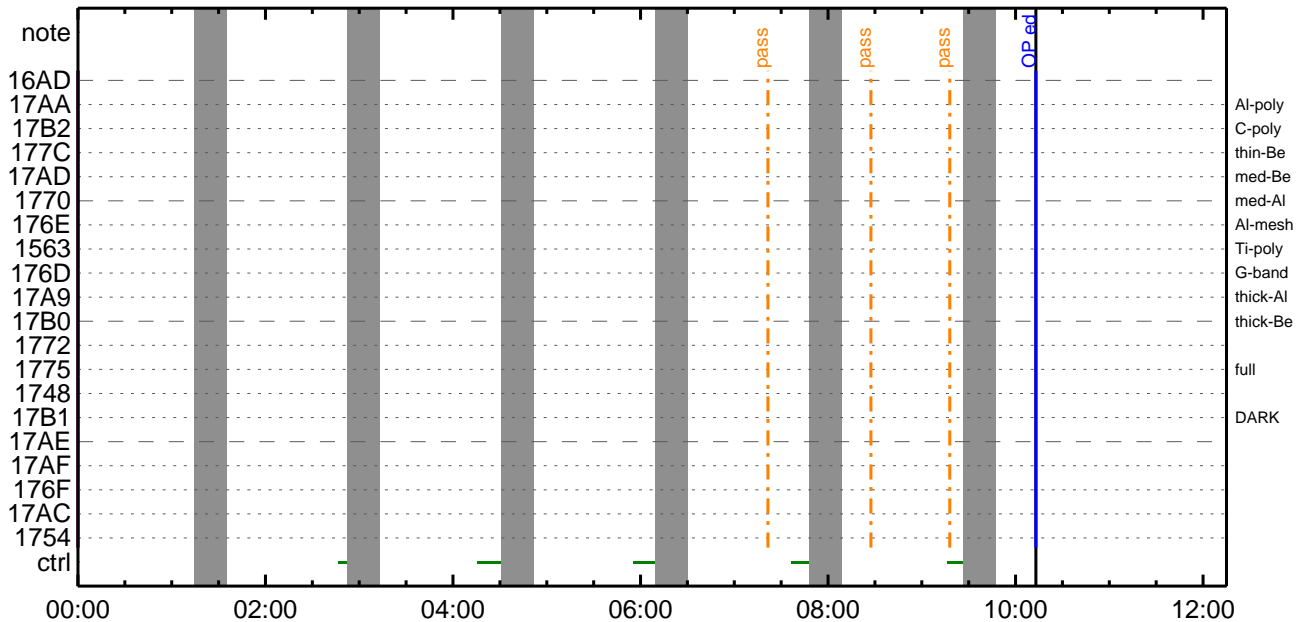
CMDI #0231 2010/04/29



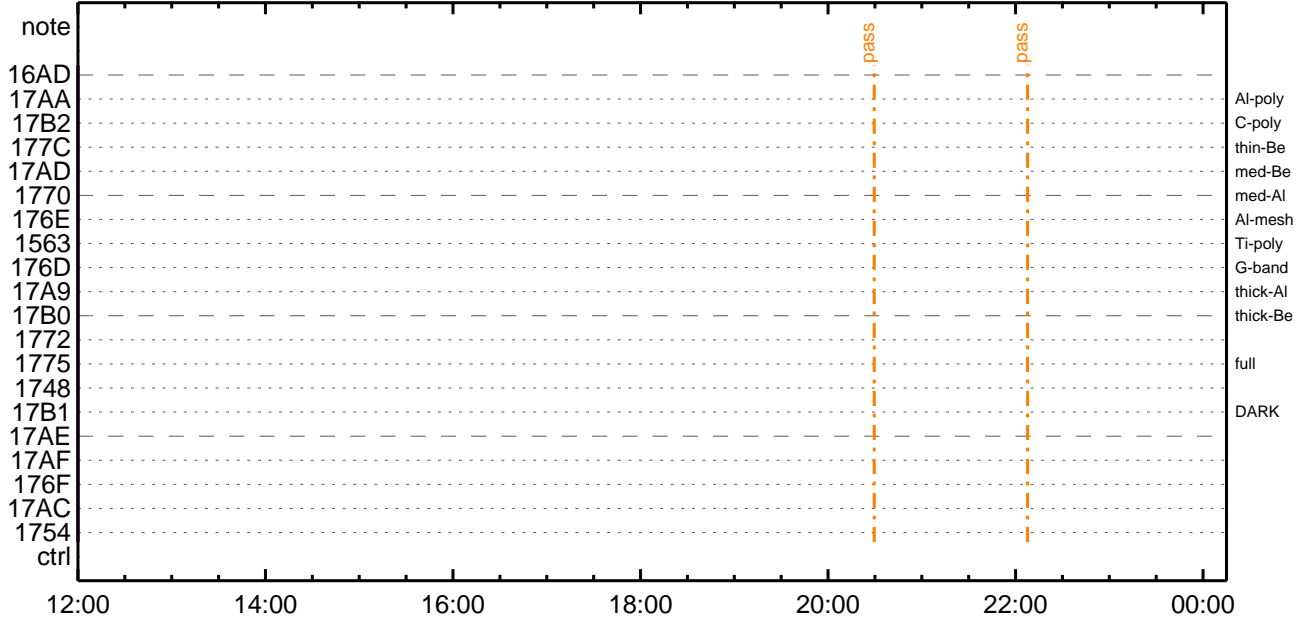
CMDI #0231 2010/04/29



CMDI #0231 2010/04/30



CMDI #0231 2010/04/30



(a) Spacecraft Operation Procedure (real-commands)

```
main-324 2010-04-26 13:22:58 289 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÄY⁻¼Ä»Û;ã
0005 C.
0006 C. YÄYŞ;¼Y³YFYÓYÉÄ+ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Äî;ÈççµÄµ•µ°È»í×ÄÇçíYçYÄY×Yí;¼YÈ;ÈÈÈµ•ííÈ;ÈÈÈ¼°ÇÖµ•µç¼í¹çµí;çÄ®, ùµ¹µÈµçµÇÄ+ç®µ•µÈµµµ³µÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÄ+çµ;ON
0016 C. *****
0017 C. ç“ °ÄÄ, í×ÈYµäLÒSµçµçí»´Òµð¹íí, µ•; çÉÓí×µÈXÄÖONµí¹ÒµÈµíµÈµµµ³µÈ;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. XYDYÓYÉYíYÄY⁻¼ÖÄÖµ-°ÄÄÈµ•µçµé; ç°È²¼µí°ÄÄ, ¼È¼çµð¼Ä¹Òµ¹µé;f
0030 C.
0031 . C. *****
0032 C. DR PT1 Äî¼í°ÄÄ,
0033 C. *****
0034 C. ç“ RESTART;ÈPT1;Èµ•µçµç¼í¹çµí; ç°È²¼µí°ÄÄ¹Òµ»°; çDCBC-150µØçÈµà;f
0035 C.
0036 . C. ;ãPT1°ÄÄ, 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 (¼Ä¹Ò, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ò, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ò, ;¼Ú)
0045 C.
0046 . C. ;ãYçYÓYÉYÈÄÜÄÖ;ÈÄ•Ä°²óÈð;È, áµí°ÄÄ, °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 (¼Ä¹Ò, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ò, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ò, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÄÄ, µ-¼«È°ÄÄ»µµµçµ, á; ç°È²¼µð¼Ä¹Òµ¹µé;f
0055 C. YçYÓYÉYÈÄÜÄÖµäÄ•Ä°²óÈðµ-¼áµµ¼í¹çµí´°í»µ¹µÈµµçµÇÄÖµÄ;f
0056 C.
0057 . C. *****
0058 C. DR PT2 Äî¼í°ÄÄ,
0059 C. *****
0060 C. ç“ RESTART;ÈPT2;Èµ•µçµç¼í¹çµí; ç°È²¼µí°ÄÄ¹Òµ»°; çDCBC-151µØçÈµà;f
0061 C.
0062 . C. ;ãPT2°ÄÄ, 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 (¼Ä¹Ò, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ò, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ò, ;¼Ú)
0071 C.
0072 . C. ;ãYçYÓYÉYÈÄÜÄÖ;ÈÄ•Ä°²óÈð;È, áµí°ÄÄ, °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 (¼Ä¹Ò, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ò, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ò, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÄÄ, Ää»ß; çXÄ+çµ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÄÄ, Ää»ß;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. ;ãXÄ+çµ;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;|YAYOX
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-324:OP
0104 ( )
0105 S. OG og-324:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°eYAYOX;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. YAYOXx½ª î»ò³ îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGªî¼E¹ç•ë² îOKªò³ îÇ§
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. YAYOXx½ª î»ò³ îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGªî¼E¹ç•ë² îOKªò³ îÇ§
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. YAYOXx½ª î»ò³ îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPªî¼E¹ç•ë² îOKªò³ îÇ§
0165 C.
0166 C. ***** °E²¼ª î¼Ã´ ¶Áª°EÉ¬ª°Ã÷¿® (¼ªµ-YAYOXx½ª ê¼çªòÃÔÃæªç¼ªª°ª¼ª î¹çªçªâ) *****
0167 C. DHUYâ;4YE;E¼Y½;Yi;4YE;Eªòîãª¹
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 UPLOADª¬Á÷¿ª®NGªî¼E¹ç;ç°E²¼ª îTI-CMDÁ÷¿ª®î¼Ã¹Ôªª°Eªªª³ªE;f
0180 C. ªPª¿;çSETªEDUMPAîEª±ªîY¹ªç¹Ôªª³ªE;f
0181 C.
0182 C. TIY³YpYóYEªòÃDî¿(UT)
0183 +. TI 2010-04-26 10:55:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2010-04-26 10:55:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2010-04-26 10:55:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-326 2010-04-26 13:22:58 136 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿òÁø•µ°È»Í×ÁÇøíYçYÁY×Yí;¼YÉ;ÈÈè¼µ•ííÉ;ÈøÈ¼°ÇÒø•ø¿¼í¹çøí;çÀ®, ùø¹øÈøÈøÇÁ+¿®ø•øÈøøøøøÈ;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 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 08 08)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 80 06 06)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 80 80 20 20)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 80 80 20 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0a 80 80 08 20)
0050 + DC 07-F0 MDP_XRT_AEC_RESET
0051 BC (d0)
0052 . C. ----- Success Verify ? OK / NG ____
0053 C.
0054 C.
0055 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0056 C.
0057 +. DC 07-F0 MDP_XRT_MODE_OBSV
0058 BC (c2)
0059 +. TI 2010-04-26 10:59:02.0
0060 DC 07-F0 MDP_XRT_MODE_OBSV
0061 BC (c2)
0062 . C. ----- Success Verify ? OK / NG ____
0063 C.
0064 C. ***** XRT END *****
0065 . C. *****
0066 C. SOT table upload
0067 C. *****
0068 . C. < Stop FG table >
0069 +. DC 07-F0 MDP_FG_CTRL_MANU
0070 BC (51)
0071 . C. -----
0072 C. MDP_FG_CTRL_MODE = MANU [ ]
0073 C. -----
0074 C.
0075 . C. <Upload FG Observation Table>
0076 . S. RAM ram-268:MDP_OBS_F
0077 ( )
0078 C.
0079 . C. < Dump RAMID=MDP_OBS_F >
0080 +. DC 07-F0 MDP_DUMP_FGTBL
0081 BC (82 07 00 00 00 38 b8)
0082 C. -----
0083 C. MDP_OBS_F verify = OK/NG [ ]
0084 C. -----
0085 C.
0086 . C. < Upload DPL table >
0087 C.
0088 C. YçYÁY×Yí;¼YÉøíÁ°øÈSTS_CHKøøOFFøÈø¹øè
0089 C.
0090 . S. RAM ram-271:MDP_DPL
0091 ( )
0092 C.
0093 . C. < Dump RAMID=MDP_DPL >
0094 +. DC 07-F0 MDP_DUMP_FGTBL
0095 BC (82 07 00 38 b8 00 40)
```

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0096 C. -----
0097 C. MDP_DPL verify = OK [ ]
0098 C. -----
0099 C.
0100 C. STS_CHKαδONαĒα¹αē
0101 C.
0102 . C. < Update MDP DSC PAR1 >
0103 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0104 BC (4c)
0105 C. MDP_CMD_CODE = F04C0700[ ]
0106 C. MDP_CMD_CNT (count-up 1) [ ]
0107 C. -----
0108 C.
0109 . C.
0110 C. *****
0111 C. SOT TI command set
0112 C. *****
0113 C. Execute, after the success of TBL upload.
0114 +. TI 2010-04-26 10:59:18.0
0115 DC 07-F0 MDP_SOT_MODE_OBSV
0116 BC (40)
0117 . C. -----
0118 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0119 C. -----
0120 C.
0121 C.
0122 . C. ***** MDP 'úĀîαĪ»ö¼ŸαĒĀĐα¹αēDCBC•x²è *****
0123 C. (%ā°îŸÓŸĀŸĒŸĔŸĀŸĈŸĒαĒĒ%¼αα¼Ā»Ūα¹αē)
0124 . S. DC-BC dcbc-402:DCBC
0125 (MDP_known_event)
0126 C.
0127 C.
0128 . C. ***** ŸĐŸ¹•Ī Daily±ġĪŃαĒ'Øα¹αēDCBC•x²è *****
0129 . S. DC-BC dcbc-153:DCBC
0130 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0131 C.
0132 C.
0133 . C. ;ãLOSŸĀŸŸŸĀŸ⁻¼Ā»Ū;ä
0134 C.
0135 . C. ***** LOS *****
0136 C.

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*** OP Sequence for XRT ***

2010/04/26	11:09:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/04/26	11:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/04/26	11:10:00.0	AOCS_OrE-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	01 00 00 00 00
2010/04/26	11:10:16.0	XRT_AEC_RESET_428_OG [0x1ac]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2010/04/26	11:10:18.0	XRT_FLD_ENA_402_OG [0x192]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/04/26	11:10:20.0	XRT_FLD_RESET_403_OG [0x193]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/04/26	11:10:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/04/26	11:10:24.0	XRT_ARS_DIS_405_OG [0x195]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/04/26	11:12:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05
2010/04/26	11:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/04/26	11:53:30.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/04/26	12:12:30.0	XRT_Custom_410_OG [0x19a]			
2010/04/26	12:13:30.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/04/26	13:32:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/04/26	13:51:00.0	XRT_Custom_410_OG [0x19a]			
2010/04/26	13:52:00.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/04/26	15:10:30.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/04/26	15:43:00.0	XRT_Custom_410_OG [0x19a]			
2010/04/26	15:44:00.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/04/26	15:46:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/04/26	15:52:00.0	XRT_Custom_410_OG [0x19a]			
2010/04/26	15:53:00.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/04/26	16:49:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/04/26	17:28:30.0	XRT_Custom_410_OG [0x19a]			
2010/04/26	17:29:30.5	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/04/26	17:59:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/04/26	17:59:56.0	XRT_FOCUS_RECALIBRATE_420_OG [0x1a4]			
		XRT_FOCUS_RECAL	2	07-F8	78 00
2010/04/26	18:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2010/04/26	18:03:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/04/26	18:04:16.0	XRT_FLD_DIS_413_OG [0x19d]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/04/26	18:04:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/04/26	18:04:20.0	XRT_ARS_DIS_446_OG [0x1be]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/04/26	18:04:22.0	XRT_QT_PROG_SET_416_OG [0x1a0]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01
2010/04/26	18:04:24.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/04/26	18:09:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/04/26	18:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/04/26	18:10:00.0	AOCS_OrE-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	01 00 00 00 00
2010/04/26	18:10:16.0	XRT_AEC_RESET_428_OG [0x1ac]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2010/04/26	18:10:18.0	XRT_FLD_ENA_402_OG [0x192]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/04/26	18:10:20.0	XRT_FLD_RESET_403_OG [0x193]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/04/26	18:10:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/04/26	18:10:24.0	XRT_ARS_DIS_405_OG [0x195]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/04/26	18:12:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05
2010/04/26	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/04/26	18:27:30.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/04/26	19:05:30.0	XRT_Custom_410_OG [0x19a]			
2010/04/26	19:06:30.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/04/26	20:06:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/04/26	20:42:30.0	XRT_Custom_410_OG [0x19a]			

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2010/04/26	20:43:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/26	21:44:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/26	22:19:00.0	XRT_Custom_410_OG [0x19a]							
2010/04/26	22:20:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/26	23:23:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/26	23:47:30.0	XRT_Custom_410_OG [0x19a]							
2010/04/26	23:48:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/26	23:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/26	23:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	00:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 54 00 00 00				
2010/04/27	00:00:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	00:00:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	00:00:20.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	00:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	00:02:58.0	XRT_QT_PROG_SET_433_OG [0x1b1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2010/04/27	00:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	01:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	01:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	02:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	04 00 00 00 00				
2010/04/27	02:00:16.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	02:00:18.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	02:00:20.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	02:00:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	02:03:00.0	XRT_QT_PROG_SET_417_OG [0x1a1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05				
2010/04/27	02:03:02.5	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	02:33:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	02:59:00.0	XRT_Custom_410_OG [0x19a]							
2010/04/27	03:00:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	04:01:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	04:37:30.0	XRT_Custom_410_OG [0x19a]							
2010/04/27	04:38:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	05:42:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	06:18:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	06:18:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/04/27	06:18:30.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/04/27	06:18:46.0	XRT_FLD_DIS_413_OG [0x19d]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/04/27	06:18:48.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	06:18:50.0	XRT_ARS_DIS_415_OG [0x19f]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	06:21:28.0	XRT_QT_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01				
2010/04/27	06:21:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	06:24:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	06:24:32.0	XRT_FOCUS_POSITION_412_OG [0x19c]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/04/27	06:24:52.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	06:24:54.0	XRT_FLD_DIS_413_OG [0x19d]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/04/27	06:24:56.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	06:24:58.0	XRT_ARS_DIS_446_OG [0x1be]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	06:25:00.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2010/04/27	06:25:02.0	XRT_CTRL_AUTO_408_OG [0x198]							

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2010/04/27	06:38:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	06:38:26.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2010/04/27	06:38:30.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	01 00 00 00 00			
2010/04/27	06:38:46.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2010/04/27	06:38:48.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/04/27	06:38:50.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/04/27	06:38:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/04/27	06:38:54.0	XRT_ARS_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/04/27	06:41:28.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 05			
2010/04/27	06:41:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/27	07:22:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	07:54:30.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/27	07:55:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	09:02:00.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	09:33:00.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/27	09:34:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	10:44:00.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	10:50:00.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/27	10:51:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	10:52:00.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	11:11:30.5	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/27	11:12:30.5	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	12:10:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	12:10:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2010/04/27	12:11:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00 00 9b 50 51			
2010/04/27	12:11:16.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2010/04/27	12:11:18.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/04/27	12:11:20.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/04/27	12:11:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/04/27	12:11:24.0	XRT_ARS_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/04/27	12:13:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07			
2010/04/27	12:14:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/27	12:30:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	12:31:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00 00 9b 3e 9f			
2010/04/27	12:50:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	12:50:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2010/04/27	12:51:00.0	AOCS_Ore-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00 00 9b 2c ed			
2010/04/27	12:51:16.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2010/04/27	12:51:18.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/04/27	12:51:20.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/04/27	12:51:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/04/27	12:51:24.0	XRT_ARS_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/04/27	12:53:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07			
2010/04/27	12:54:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/04/27	13:10:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/04/27	13:10:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2010/04/27	13:11:00.0	AOCS_Ore-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	00 00 9b 1b 3b			
2010/04/27	13:11:16.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0			

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2010/04/27	13:11:18.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	13:11:20.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	13:11:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	13:11:24.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	13:13:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	13:14:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	13:30:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	13:30:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	13:31:00.0	AOCS_ORe-point_Start_9_OG [0x09f]							
		AOCU_NM	5	02-76	00 00 9b 09 89				
2010/04/27	13:31:16.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	13:31:18.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	13:31:20.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	13:31:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	13:31:24.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	13:33:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	13:34:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	13:50:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	13:50:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	13:51:00.0	AOCS_ORe-point_Start_10_OG [0x0a0]							
		AOCU_NM	5	02-76	00 00 9b f7 d8				
2010/04/27	13:51:16.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	13:51:18.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	13:51:20.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	13:51:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	13:51:24.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	13:53:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	13:54:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	14:09:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	14:28:30.0	XRT_Custom_410_OG [0x19a]							
2010/04/27	14:29:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	14:31:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	14:40:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	14:40:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	14:40:30.0	AOCS_ORe-point_Start_11_OG [0x0a1]							
		AOCU_NM	5	02-76	00 00 9b e6 25				
2010/04/27	14:40:46.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	14:40:48.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	14:40:50.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	14:40:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	14:40:54.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	14:43:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	14:43:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	15:00:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	15:00:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	15:00:30.0	AOCS_ORe-point_Start_12_OG [0x0a2]							
		AOCU_NM	5	02-76	00 00 9b d4 73				
2010/04/27	15:00:46.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	15:00:48.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	15:00:50.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	15:00:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				

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2010/04/27	15:00:54.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	15:03:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	15:03:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	15:20:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	15:20:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	15:20:30.0	AOCS_ORe-point_Start_13_OG [0x0a3]							
		AOCU_NM	5	02-76	00 00 9b c2 c1				
2010/04/27	15:20:46.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	15:20:48.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	15:20:50.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	15:20:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	15:20:54.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	15:23:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	15:23:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	15:40:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	15:40:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	15:40:30.0	AOCS_ORe-point_Start_14_OG [0x0a4]							
		AOCU_NM	5	02-76	00 00 9b b1 0f				
2010/04/27	15:40:46.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	15:40:48.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	15:40:50.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	15:40:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	15:40:54.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	15:43:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	15:43:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	15:47:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	16:29:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	16:29:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	16:29:30.0	AOCS_ORe-point_Start_15_OG [0x0a5]							
		AOCU_NM	5	02-76	00 14 fd 51 06				
2010/04/27	16:29:46.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	16:29:48.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	16:29:50.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	16:29:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	16:29:54.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	16:32:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	16:32:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	16:49:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	16:49:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	16:49:30.0	AOCS_ORe-point_Start_16_OG [0x0a6]							
		AOCU_NM	5	02-76	00 12 8f 43 64				
2010/04/27	16:49:46.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	16:49:48.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	16:49:50.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	16:49:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	16:49:54.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	16:52:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	16:52:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	17:09:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	17:09:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	17:09:30.0	AOCS_ORe-point_Start_17_OG [0x0a7]							

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2010/04/27	17:09:46.0	XRT_AEC_RESET_428_OG [0x1ac]	AOCU_NM	5	02-76	00	11	3f	33	85
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2010/04/27	17:09:48.0	XRT_FLD_ENA_402_OG [0x192]								
		MDP_XRT_FLD_ENA		1	07-F0	d8				
2010/04/27	17:09:50.0	XRT_FLD_RESET_403_OG [0x193]								
		MDP_XRT_FLD_RESET		1	07-F0	da				
2010/04/27	17:09:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2010/04/27	17:09:54.0	XRT_ARS_DIS_405_OG [0x195]								
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2010/04/27	17:12:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]								
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	07			
2010/04/27	17:12:30.0	XRT_CTRL_AUTO_408_OG [0x198]								
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/27	17:26:00.0	XRT_CTRL_MANU_409_OG [0x199]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/27	18:06:24.0	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/27	18:06:26.0	XRT_FOCUS_POSITION_401_OG [0x191]								
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2010/04/27	18:06:30.0	AOCS_ORe-point_Start_18_OG [0x0a8]								
		AOCU_NM		5	02-76	00	10	7a	23	1a
2010/04/27	18:06:46.0	XRT_AEC_RESET_428_OG [0x1ac]								
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2010/04/27	18:06:48.0	XRT_FLD_ENA_402_OG [0x192]								
		MDP_XRT_FLD_ENA		1	07-F0	d8				
2010/04/27	18:06:50.0	XRT_FLD_RESET_403_OG [0x193]								
		MDP_XRT_FLD_RESET		1	07-F0	da				
2010/04/27	18:06:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2010/04/27	18:06:54.0	XRT_ARS_DIS_405_OG [0x195]								
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2010/04/27	18:09:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]								
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	07			
2010/04/27	18:09:30.0	XRT_CTRL_AUTO_408_OG [0x198]								
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/27	18:26:24.0	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/27	18:26:26.0	XRT_FOCUS_POSITION_401_OG [0x191]								
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2010/04/27	18:26:30.0	AOCS_ORe-point_Start_19_OG [0x0a9]								
		AOCU_NM		5	02-76	00	10	08	12	3d
2010/04/27	18:26:46.0	XRT_AEC_RESET_428_OG [0x1ac]								
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2010/04/27	18:26:48.0	XRT_FLD_ENA_402_OG [0x192]								
		MDP_XRT_FLD_ENA		1	07-F0	d8				
2010/04/27	18:26:50.0	XRT_FLD_RESET_403_OG [0x193]								
		MDP_XRT_FLD_RESET		1	07-F0	da				
2010/04/27	18:26:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2010/04/27	18:26:54.0	XRT_ARS_DIS_405_OG [0x195]								
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2010/04/27	18:29:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]								
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	07			
2010/04/27	18:29:30.0	XRT_CTRL_AUTO_408_OG [0x198]								
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/27	18:46:24.0	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/27	18:46:26.0	XRT_FOCUS_POSITION_401_OG [0x191]								
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2010/04/27	18:46:30.0	AOCS_ORe-point_Start_20_OG [0x0aa]								
		AOCU_NM		5	02-76	00	0f	df	00	f5
2010/04/27	18:46:46.0	XRT_AEC_RESET_428_OG [0x1ac]								
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2010/04/27	18:46:48.0	XRT_FLD_ENA_402_OG [0x192]								
		MDP_XRT_FLD_ENA		1	07-F0	d8				
2010/04/27	18:46:50.0	XRT_FLD_RESET_403_OG [0x193]								
		MDP_XRT_FLD_RESET		1	07-F0	da				
2010/04/27	18:46:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2010/04/27	18:46:54.0	XRT_ARS_DIS_405_OG [0x195]								
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2010/04/27	18:49:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]								
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	07			
2010/04/27	18:49:30.0	XRT_CTRL_AUTO_408_OG [0x198]								
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/27	19:04:30.0	XRT_CTRL_MANU_409_OG [0x199]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/27	19:42:54.0	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/27	19:42:56.0	XRT_FOCUS_POSITION_401_OG [0x191]								
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2010/04/27	19:43:00.0	AOCS_ORe-point_Start_21_OG [0x0ab]								
		AOCU_NM		5	02-76	00	10	08	f0	9c
2010/04/27	19:43:16.0	XRT_AEC_RESET_428_OG [0x1ac]								
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2010/04/27	19:43:18.0	XRT_FLD_ENA_402_OG [0x192]								
		MDP_XRT_FLD_ENA		1	07-F0	d8				
2010/04/27	19:43:20.0	XRT_FLD_RESET_403_OG [0x193]								
		MDP_XRT_FLD_RESET		1	07-F0	da				
2010/04/27	19:43:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				

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2010/04/27	19:43:24.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	19:45:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	19:46:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	20:02:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	20:02:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	20:03:00.0	AOCS_OrE-point_Start_22_OG [0x0ac]							
		AOCU_NM	5	02-76	00 10 7a df bf				
2010/04/27	20:03:16.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	20:03:18.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	20:03:20.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	20:03:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	20:03:24.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	20:05:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	20:06:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	20:22:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	20:22:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	20:23:00.0	AOCS_OrE-point_Start_23_OG [0x0ad]							
		AOCU_NM	5	02-76	00 11 3f cf 54				
2010/04/27	20:23:16.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	20:23:18.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	20:23:20.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	20:23:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	20:23:24.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	20:25:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	20:26:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	20:43:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	21:20:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	21:20:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	21:20:30.0	AOCS_OrE-point_Start_24_OG [0x0ae]							
		AOCU_NM	5	02-76	00 12 8f bf 6d				
2010/04/27	21:20:46.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	21:20:48.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	21:20:50.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	21:20:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	21:20:54.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	21:23:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	21:23:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	21:40:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	21:40:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/04/27	21:40:30.0	AOCS_OrE-point_Start_25_OG [0x0af]							
		AOCU_NM	5	02-76	00 15 99 b0 6b				
2010/04/27	21:40:46.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/27	21:40:48.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/27	21:40:50.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/27	21:40:52.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/27	21:40:54.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/27	21:43:28.0	XRT_QT_PROG_SET_448_OG [0x1c0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/04/27	21:43:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/27	21:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/27	21:59:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/04/27	22:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]							

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2010/04/27	22:00:16.0	XRT_FLD_DIS_413_OG [0x19d]	AOCU_NM	5	02-76	00	00	00	00	00
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2010/04/27	22:00:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2010/04/27	22:00:20.0	XRT_ARS_DIS_415_OG [0x19f]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2010/04/27	22:02:58.0	XRT_QT_PROG_SET_416_OG [0x1a0]		2	07-F0	c4	01			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	01			
2010/04/27	22:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/27	22:09:54.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/27	22:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2010/04/27	22:10:00.0	AOCS_OrE-point_Start_1_OG [0x097]		5	02-76	01	00	00	00	00
		AOCU_NM		5	02-76	01	00	00	00	00
2010/04/27	22:10:16.0	XRT_AEC_RESET_428_OG [0x1ac]		1	07-F0	d0				
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2010/04/27	22:10:18.0	XRT_FLD_ENA_402_OG [0x192]		1	07-F0	d8				
		MDP_XRT_FLD_ENA		1	07-F0	d8				
2010/04/27	22:10:20.0	XRT_FLD_RESET_403_OG [0x193]		1	07-F0	da				
		MDP_XRT_FLD_RESET		1	07-F0	da				
2010/04/27	22:10:22.0	XRT_FLRCTRL_DIS_414_OG [0x19e]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2010/04/27	22:10:24.0	XRT_ARS_DIS_405_OG [0x195]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2010/04/27	22:12:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]		2	07-F0	c4	05			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	05			
2010/04/27	22:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/27	22:21:30.5	XRT_CTRL_MANU_409_OG [0x199]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/27	22:55:00.0	XRT_Custom_410_OG [0x19a]		1	07-F0	c0				
2010/04/27	22:56:00.5	XRT_CTRL_AUTO_411_OG [0x19b]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/28	00:00:00.0	XRT_CTRL_MANU_409_OG [0x199]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/28	00:19:30.0	XRT_Custom_410_OG [0x19a]		1	07-F0	c0				
2010/04/28	00:20:30.0	XRT_CTRL_AUTO_411_OG [0x19b]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/28	01:35:30.0	XRT_CTRL_MANU_409_OG [0x199]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/28	01:58:00.0	XRT_Custom_410_OG [0x19a]		1	07-F0	c0				
2010/04/28	01:59:00.0	XRT_CTRL_AUTO_411_OG [0x19b]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/28	03:09:30.0	XRT_CTRL_MANU_409_OG [0x199]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/28	03:37:00.0	XRT_Custom_410_OG [0x19a]		1	07-F0	c0				
2010/04/28	03:38:00.0	XRT_CTRL_AUTO_411_OG [0x19b]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/28	04:39:30.0	XRT_CTRL_MANU_409_OG [0x199]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/28	05:15:30.0	XRT_Custom_410_OG [0x19a]		1	07-F0	c0				
2010/04/28	05:16:30.0	XRT_CTRL_AUTO_411_OG [0x19b]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/28	05:52:24.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/28	05:52:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]		4	07-F8	22	ff	aa	00	
		XRT_FOCUS_POSITION		4	07-F8	22	ff	aa	00	
2010/04/28	05:52:30.0	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
2010/04/28	05:52:46.0	XRT_FLD_DIS_413_OG [0x19d]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2010/04/28	05:52:48.0	XRT_FLRCTRL_DIS_414_OG [0x19e]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2010/04/28	05:52:50.0	XRT_ARS_DIS_415_OG [0x19f]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2010/04/28	05:55:28.0	XRT_QT_PROG_SET_416_OG [0x1a0]		2	07-F0	c4	01			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	01			
2010/04/28	05:55:30.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2010/04/28	06:02:24.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2010/04/28	06:02:30.0	AOCS_OrE-point_Start_1_OG [0x097]		5	02-76	01	00	00	00	00
		AOCU_NM		5	02-76	01	00	00	00	00
2010/04/28	10:47:00.0	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