

# XRT Timeline to be uploaded on 2009/02/26

Period: 2009/02/26 11:09:00 - 2009/03/03 10:46:00

\* \* \* \* \*

**Normal mode**

\* \* \* \* \*

<b>XOB #165F: Full Sun - CME Watch high cadence - C/Poly + Thin-Be + Med-Be - 4x4 - AEC2</b>												
Term		Pointing (x, y)				Comment						
02/26 11:22:00 - 02/26 17:54:54		Track ( -19.3, 525.1) @ 02/26 11:19:00				# OP start + 10min, track new emerging AR in N.						
02/26 18:08:00 - 02/27 05:23:54		Track ( 36.4, 525.0) @ 02/26 18:05:00				# Cont.						
<b>PROG= 04 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 240.0sec												
└─ Seqn= 73 1-time(s) 60.0sec												
└─ C-poly/Open med-Be/Open close Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec												
└─ Seqn= 71 1-time(s) 60.0sec												
└─ thin-Be/Open med-Be/Open close Safe Norm 4.00s Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec												
└─ Seqn= 44 1-time(s) 60.0sec												
└─ med-Be/Open med-Be/Open close Safe Norm 22.6s Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec												
└─ Subr= 2 1-time(s) 60.0sec												
└─ Seqn= 87 1-time(s) 30.0sec												
└─ C-poly/Open C-poly/Open close Safe Dark 1.00s Obs 4x4 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

<b>XOB #165A: Synoptic Q95 2x2 - Al/poly(362/2048) + Dark cal(256 Q98) + Ti-poly(512/4096) + G-band(16)</b>												
Term		Pointing (x, y)				Comment						
02/26 17:58:00 - 02/26 18:04:54		Fixed ( 0.0, 0.0)				synoptic, shifted -5.0 min						
02/27 18:18:00 - 02/27 18:24:54		Fixed ( 0.0, 0.0)				synoptic, shifted 15.0 min						
<b>PROG= 13 1-time(s)</b>												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 37 1-time(s) 4.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 354ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Seqn= 49 1-time(s) 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 250ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Seqn= 89 1-time(s) 4.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Seqn= 92 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
Default Filter		Thicker Filter		VLS		mode image		Exp. CCD Bin		ROI: size (center)		Comp. AEC Buffer Interval

<b>XOB #165B: Synoptic Q95 2x2 - Al/mesh(256/2048) + Dark cal(256 Q98) + Ti-poly(512/4096) + G-band(16)</b>												
Term		Pointing (x, y)				Comment						
02/27 05:27:00 - 02/27 05:34:24		Fixed ( 0.0, 0.0)				synoptic, shifted manually.						
02/28 06:03:30 - 02/28 06:10:24		Fixed ( 0.0, 0.0)				synoptic, shifted 0.5 min						
<b>PROG= 14 1-time(s)</b>												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 68 1-time(s) 4.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Seqn= 50 1-time(s) 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Dark 250ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Seqn= 89 1-time(s) 4.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Seqn= 92 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
Default Filter		Thicker Filter		VLS		mode image		Exp. CCD Bin		ROI: size (center)		Comp. AEC Buffer Interval

<b>XOB #1660: HOP98 lifetime - Al/poly - 16s - 512x512</b>												
Term		Pointing (x, y)				Comment						
02/27 05:37:30 - 02/27 12:00:00		Fixed ( -32.0, -887.0)				# HOP 98 (officially from 6 UT), S pole polar plume campaign: First lifetime camp, 6-12 UT or						
02/27 14:00:32 - 02/27 17:51:30		Fixed ( -32.0, -887.0)				# HOP 98 (officially from 6 UT), S pole polar plume campaign: First lifetime camp, 6-12 UT or						
02/27 18:28:00 - 02/28 06:00:24		Fixed ( -32.0, -887.0)				# HOP 98, cont.						
02/28 06:13:30 - 02/28 09:50:00		Fixed ( -32.0, -887.0)				# HOP 98, cont.						
<b>PROG= 08 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 600.0sec												
└─ Seqn= 2 1-time(s) 180.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 16.0s 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

<b>XOB #165E: HOP98 high cadence - Al/poly - 16s - 512x512-2</b>												
Term		Pointing (x, y)				Comment						
02/27 12:00:32 - 02/27 14:00:00		Fixed ( -32.0, -887.0)				# HOP 98 (officially from 6 UT), S pole polar plume campaign: First lifetime camp, 6-12 UT or						
<b>PROG= 09 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												

Seqn= 2 60-time(s) 30.0sec

AI-poly/Open	AI-poly/Open	close	Safe	Norm	16.0s	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	

\* \* \* \* \*

**Flare mode**

\* \* \* \* \*

NOT USED

\* \* \* \* \*

**Active Region Search**

\* \* \* \* \*

NOT USED

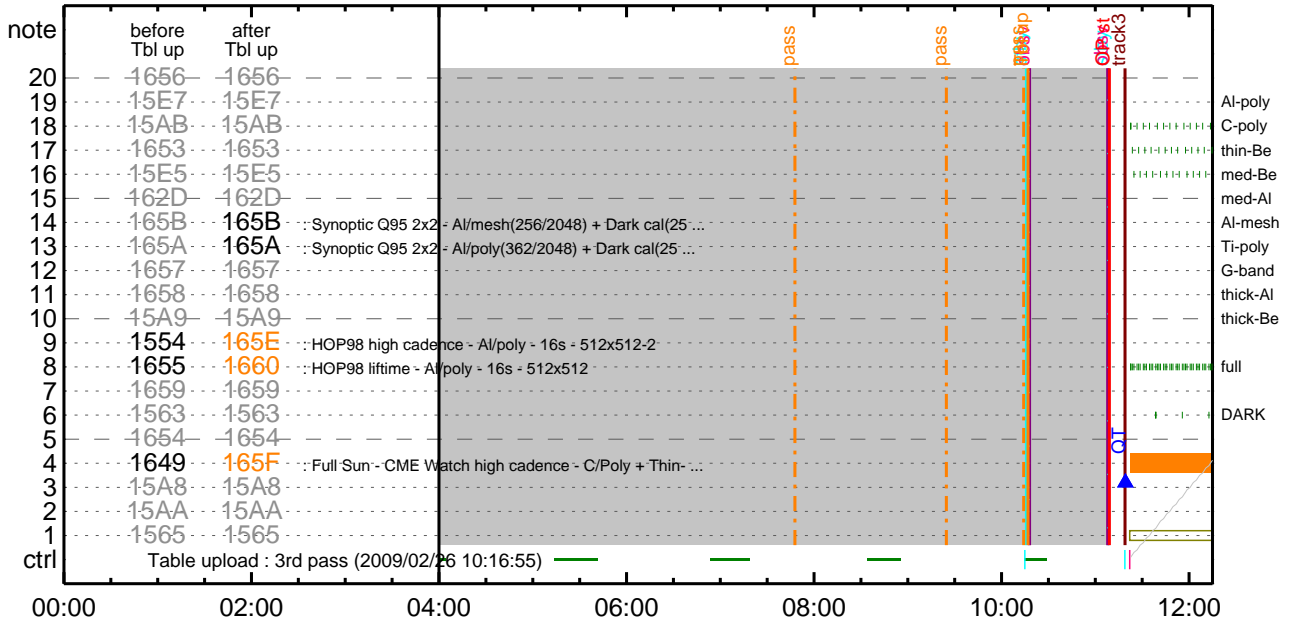
\* \* \* \* \*

**Flare Detection**

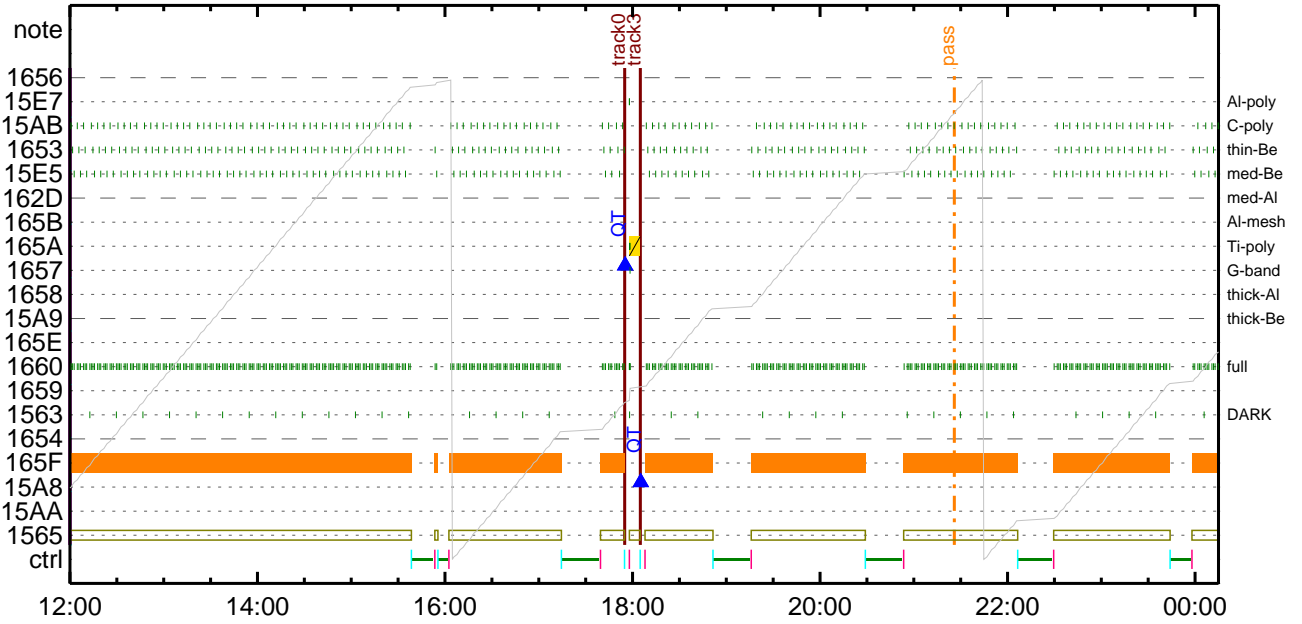
\* \* \* \* \*

NOT USED

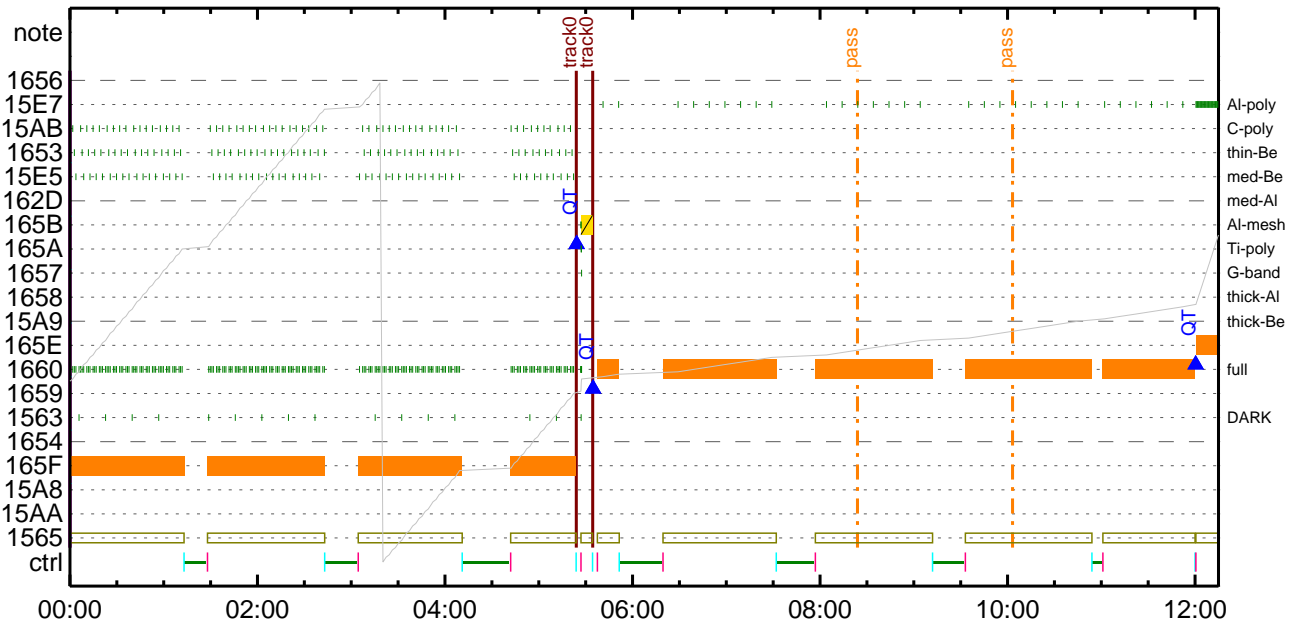
CMDI #0424 2009/02/26



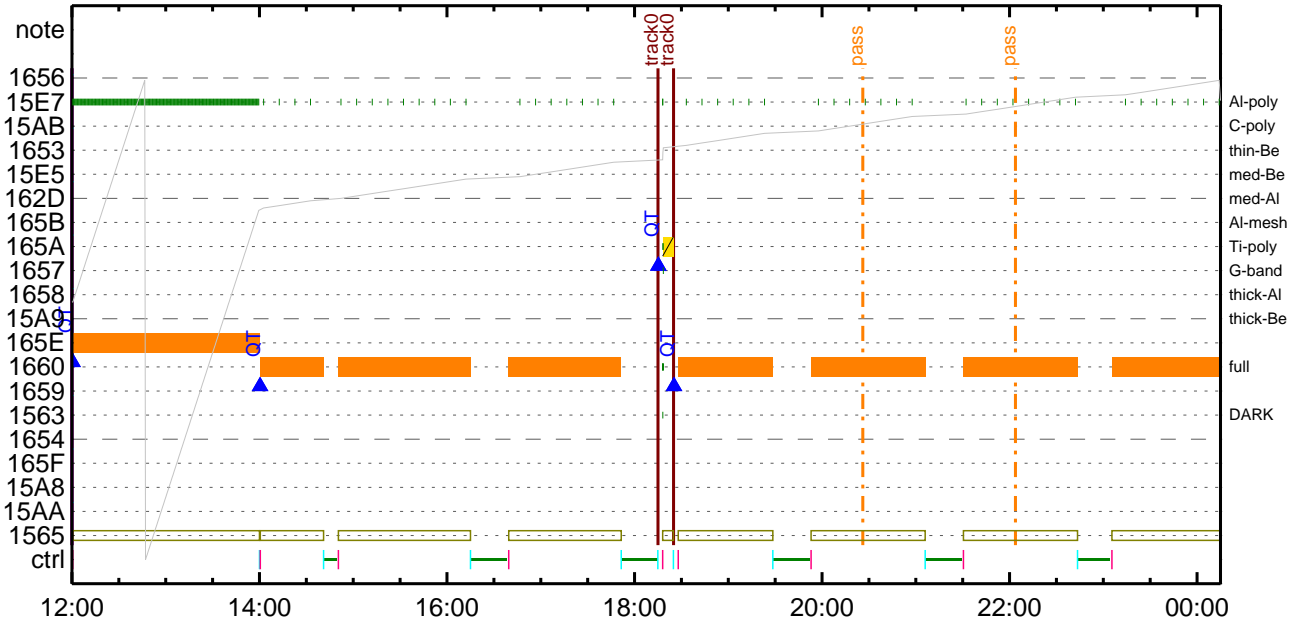
CMDI #0424 2009/02/26



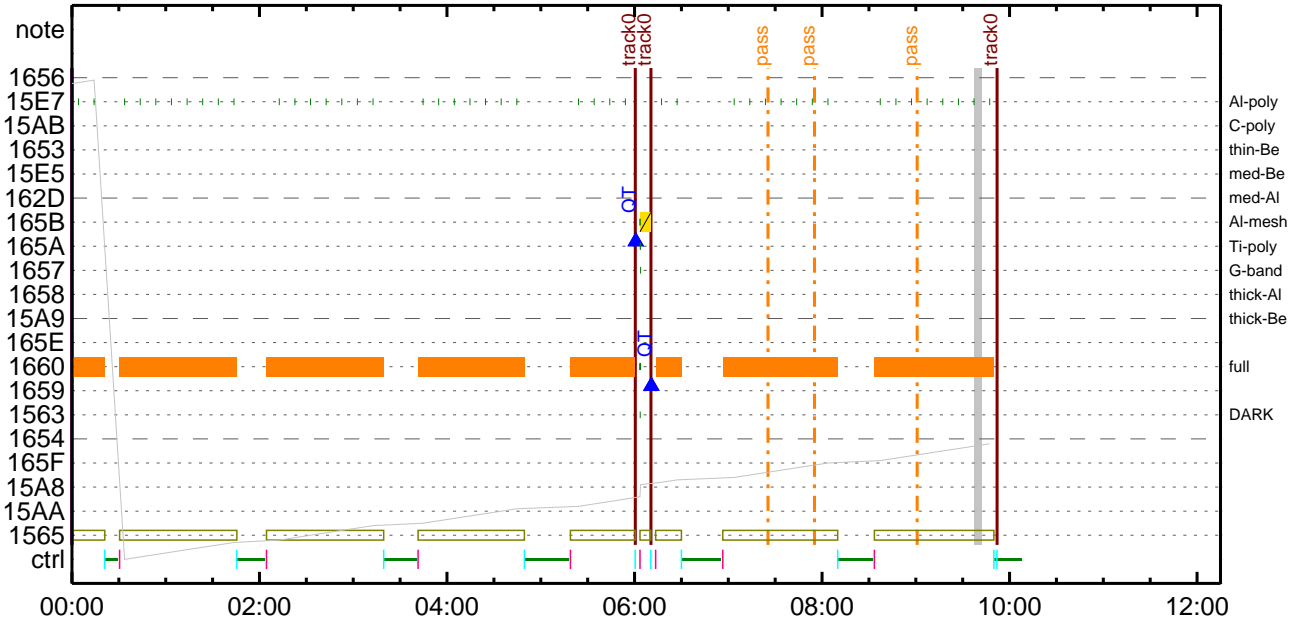
CMDI #0424 2009/02/27



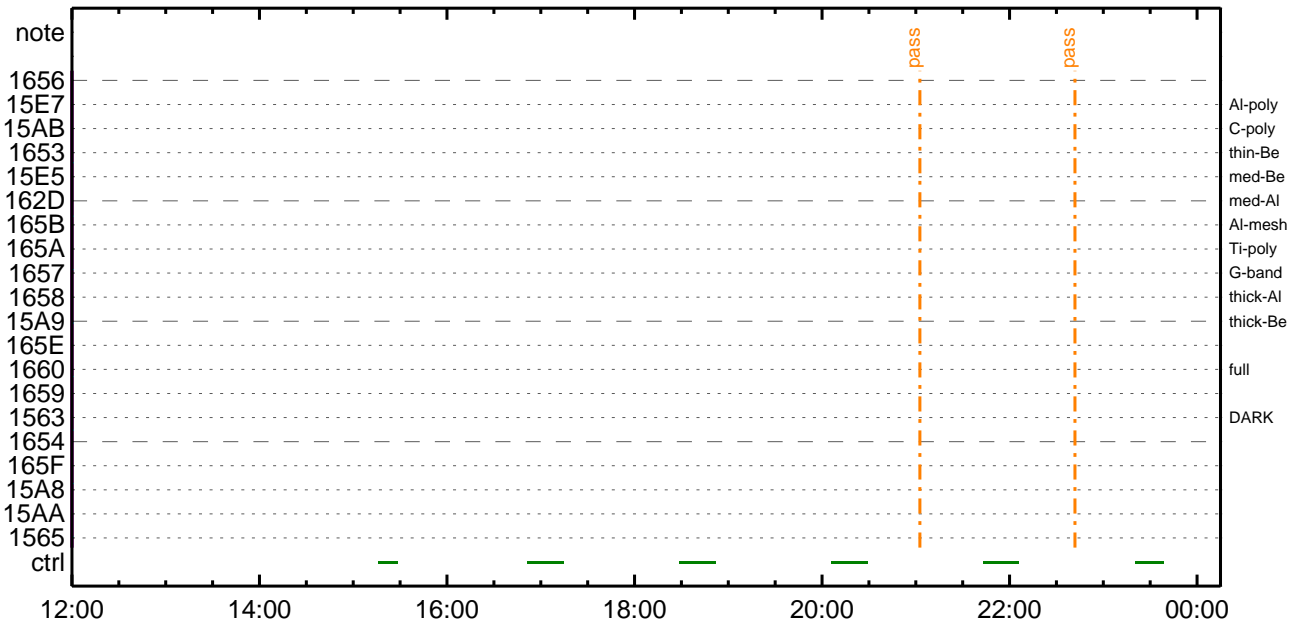
CMDI #0424 2009/02/27



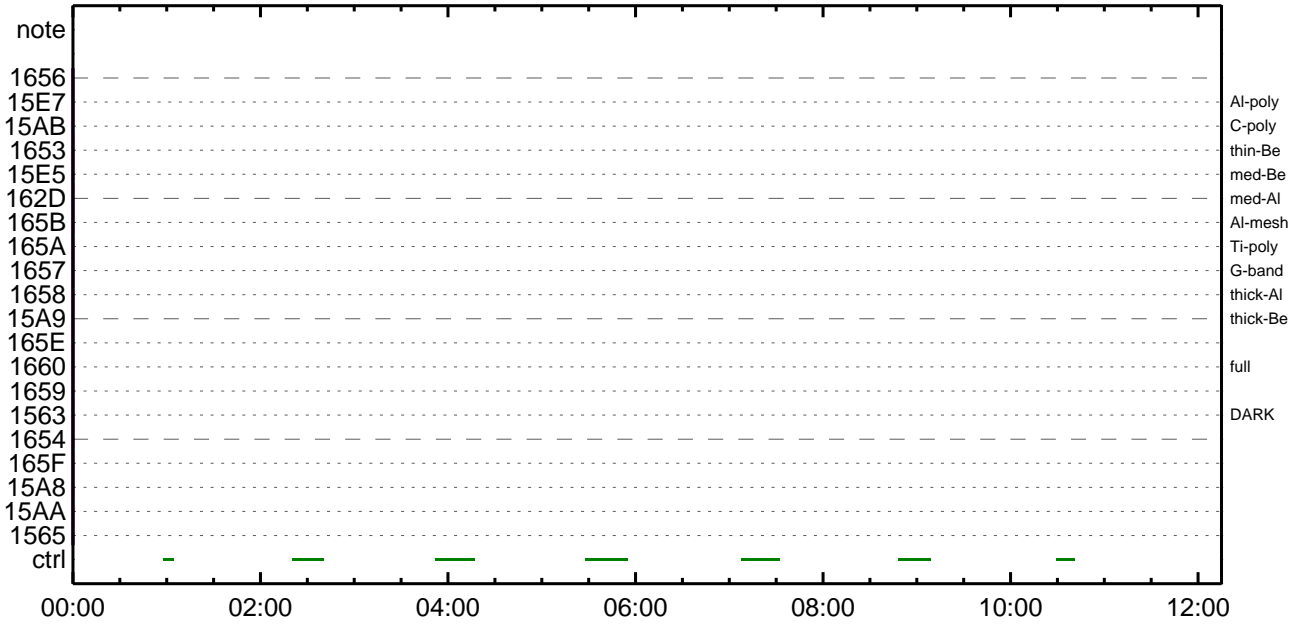
CMDI #0424 2009/02/28



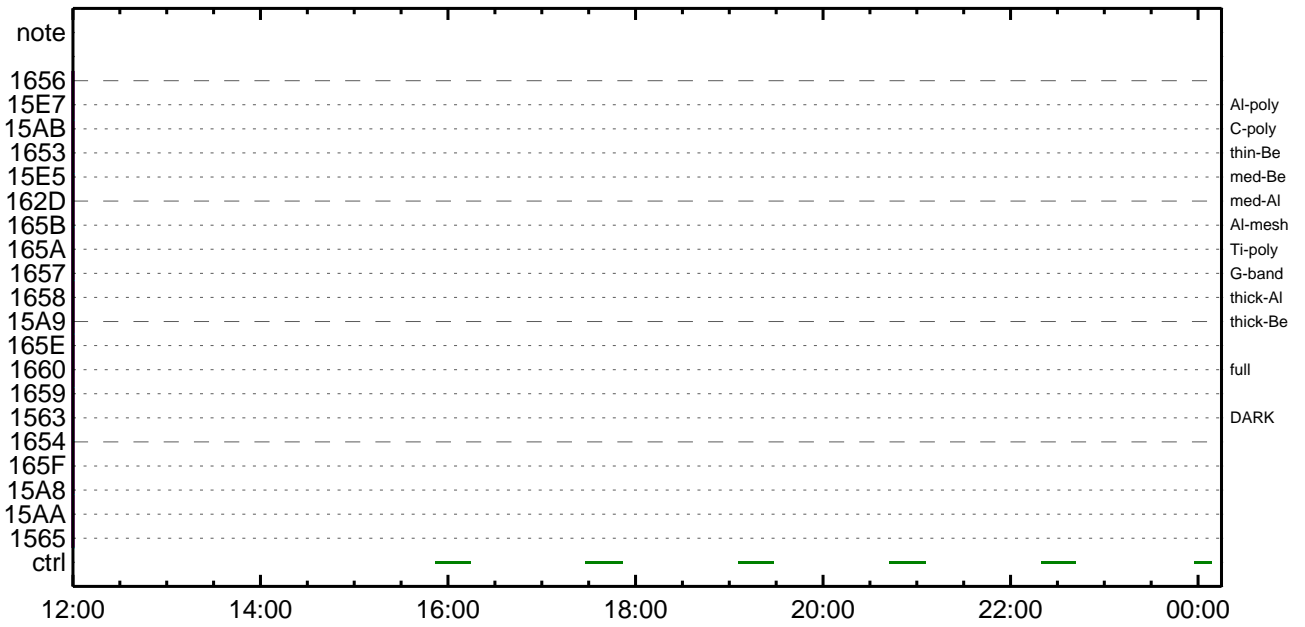
CMDI #0424 2009/02/28



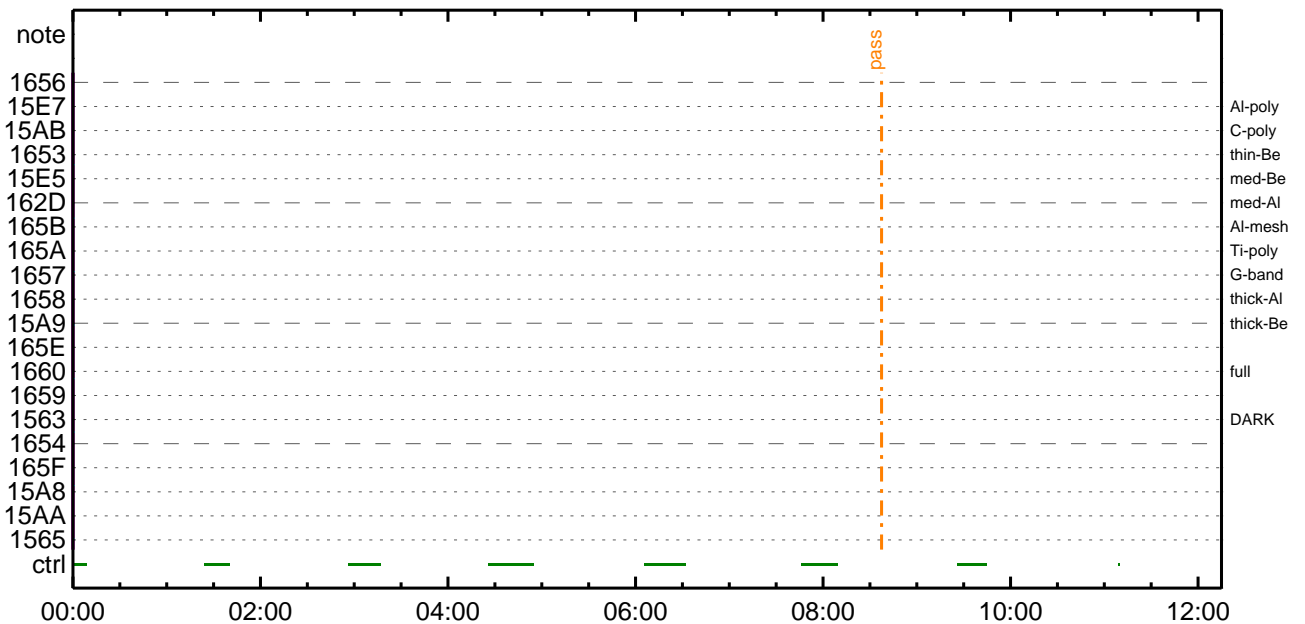
CMDI #0424 2009/03/01



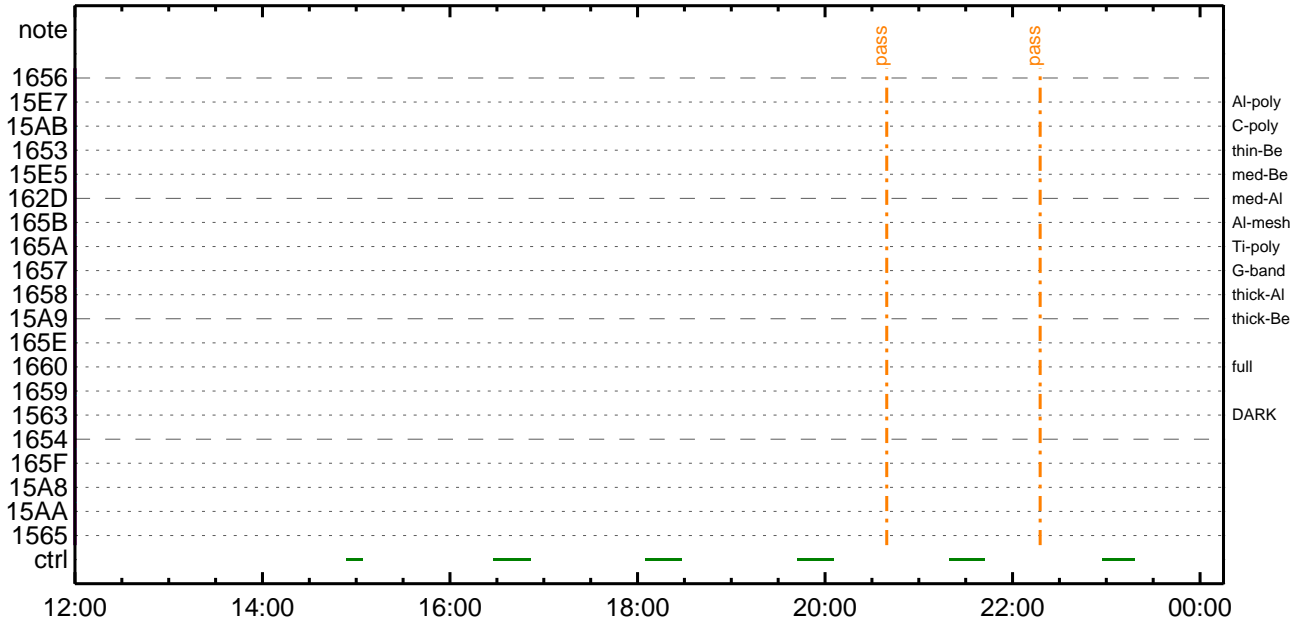
CMDI #0424 2009/03/01



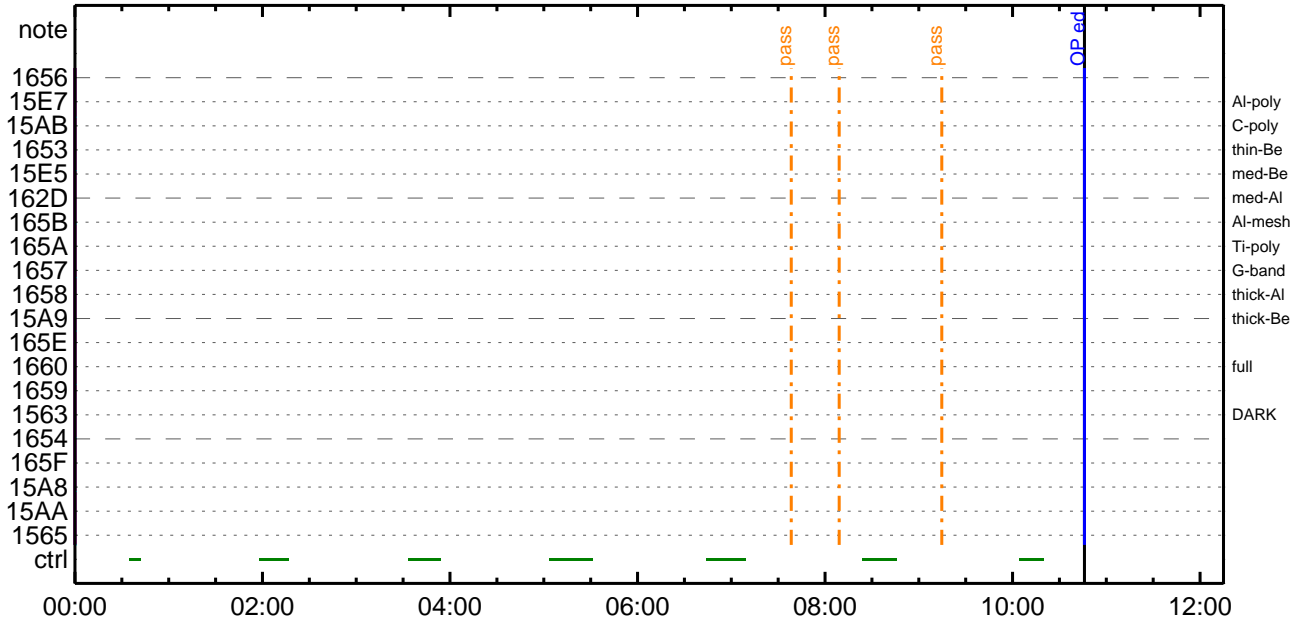
CMDI #0424 2009/03/02



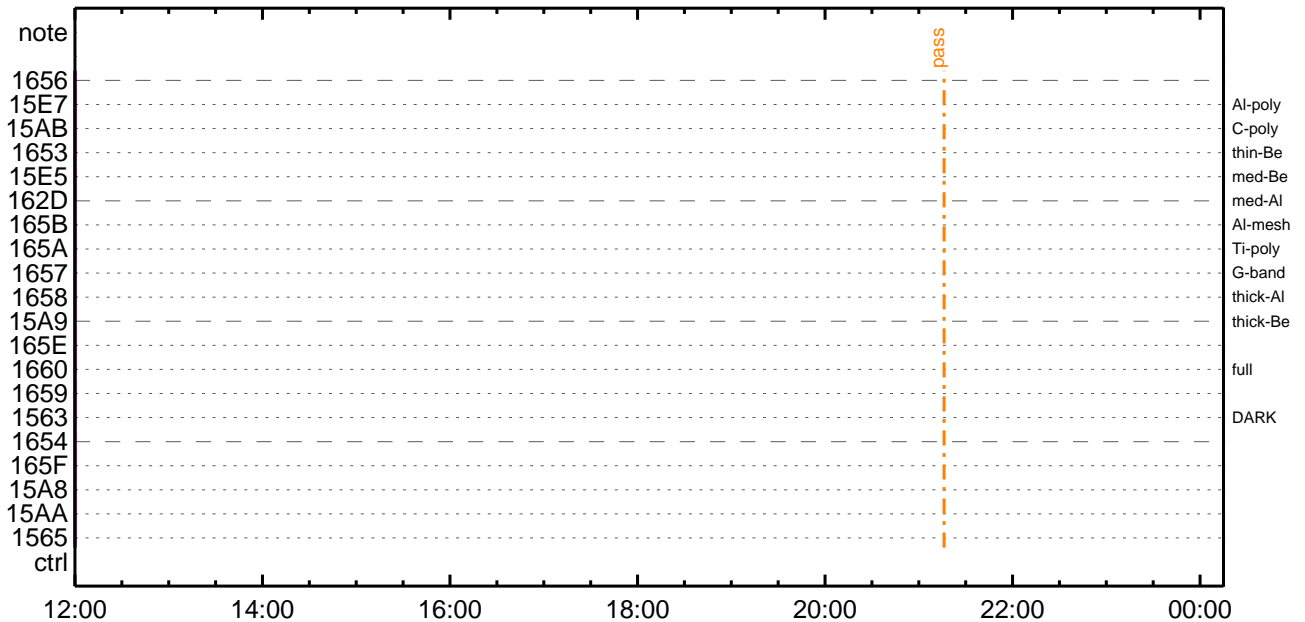
CMDI #0424 2009/03/02



CMDI #0424 2009/03/03



CMDI #0424 2009/03/03















(a) Spacecraft Operation Procedure (real-commands)

```
main-439 2009-02-26 14:06:28 126 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
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;ÈÈè%µ•ííÉ;ÈøÈ¼°ÇÇø•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 20 20)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 80 08 08)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 0f 80 80 04 04)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 10 80 80 10 10)
0048 . C. ----- Success Verify ? OK / NG ____
0049 C.
0050 C.
0051 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0052 C.
0053 +. DC 07-F0 MDP_XRT_MODE_OBSV
0054 BC (c2)
0055 +. TI 2009-02-26 11:08:02.0
0056 DC 07-F0 MDP_XRT_MODE_OBSV
0057 BC (c2)
0058 . C. ----- Success Verify ? OK / NG ____
0059 C.
0060 C. ***** XRT END *****
0061 . C. *****
0062 C. SOT table upload
0063 C. *****
0064 . C. < Stop FG table >
0065 +. DC 07-F0 MDP_FG_CTRL_MANU
0066 BC (51)
0067 . C. -----
0068 C. MDP_FG_CTRL_MODE = MANU [ ]
0069 C. -----
0070 C.
0071 . C. <Upload FG Observation Table>
0072 . S. RAM ram-265:MDP_OBS_F
0073 ( )
0074 C.
0075 . C. < Dump RAMID=MDP_OBS_F >
0076 +. DC 07-F0 MDP_DUMP_FGTBL
0077 BC (82 07 00 00 00 38 b8)
0078 C. -----
0079 C. MDP_OBS_F verify = OK/NG [ ]
0080 C. -----
0081 C.
0082 . C. < Stop SP table >
0083 +. DC 07-F0 MDP_SP_CTRL_MANU
0084 BC (61)
0085 C. -----
0086 C. MDP_SP_CTRL_MODE = MANU [ ]
0087 C. -----
0088 C.
0089 . C. <Upload SP Observation Table>
0090 . S. RAM ram-284:MDP_OBS_S
0091 ( )
0092 C.
0093 . C. < Dump RAMID=MDP_OBS_S >
0094 +. DC 07-F0 MDP_DUMP_SPTBL
0095 BC (83 07 00 00 00 38 b8)
```



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

2009/02/26	11:18:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/26	11:18:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/02/26	11:19:00.0	AOCS_ORe-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	03 00 00 00 00		
2009/02/26	11:19:16.0	XRT_QT_PROG_SET_413_OG [0x19d]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04		
2009/02/26	11:19:18.0	XRT_AEC_RESET_415_OG [0x19f]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2009/02/26	11:19:20.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/02/26	11:19:22.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/02/26	11:19:24.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/02/26	11:22:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/02/26	15:38:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/26	15:52:30.0	XRT_Custom_430_OG [0x1ae]					
2009/02/26	15:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/02/26	15:55:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/26	16:01:30.0	XRT_Custom_430_OG [0x1ae]					
2009/02/26	16:02:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/02/26	17:14:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/26	17:38:30.0	XRT_Custom_430_OG [0x1ae]					
2009/02/26	17:39:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/02/26	17:54:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/26	17:54:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/02/26	17:55:00.0	AOCS_ORe-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2009/02/26	17:55:16.0	XRT_QT_PROG_SET_405_OG [0x195]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d		
2009/02/26	17:55:18.0	XRT_FLD_DIS_419_OG [0x1a3]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/02/26	17:55:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/02/26	17:55:22.0	XRT_ARS_DIS_410_OG [0x19a]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/02/26	17:58:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/02/26	18:04:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/26	18:04:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/02/26	18:05:00.0	AOCS_ORe-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	03 00 00 00 00		
2009/02/26	18:05:16.0	XRT_QT_PROG_SET_413_OG [0x19d]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04		
2009/02/26	18:05:18.0	XRT_AEC_RESET_415_OG [0x19f]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2009/02/26	18:05:20.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/02/26	18:05:22.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/02/26	18:05:24.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/02/26	18:08:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/02/26	18:51:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/26	19:15:00.0	XRT_Custom_430_OG [0x1ae]					
2009/02/26	19:16:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/02/26	20:29:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/26	20:52:30.0	XRT_Custom_430_OG [0x1ae]					
2009/02/26	20:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/02/26	22:06:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/26	22:28:30.0	XRT_Custom_430_OG [0x1ae]					
2009/02/26	22:29:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/02/26	23:44:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/26	23:57:00.0	XRT_Custom_430_OG [0x1ae]					
2009/02/26	23:58:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/02/27	01:13:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/02/27	01:27:00.0	XRT_Custom_430_OG [0x1ae]					
2009/02/27	01:28:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					

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2009/02/27	02:43:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	03:03:30.0	XRT_Custom_430_OG [0x1ae]								
2009/02/27	03:04:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	04:11:00.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	04:41:00.0	XRT_Custom_430_OG [0x1ae]								
2009/02/27	04:42:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	05:23:54.0	XRT_CTRL_MANU_428_OG [0x1ac]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	05:23:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]								
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/02/27	05:24:00.0	AOCS_OrE-point_Start_2_OG [0x098]								
			AOCU_NM	5	02-76	00 00 00 00 00				
2009/02/27	05:24:16.0	XRT_QT_PROG_SET_426_OG [0x1aa]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e				
2009/02/27	05:24:18.0	XRT_FLD_DIS_419_OG [0x1a3]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/02/27	05:24:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/02/27	05:24:22.0	XRT_ARS_DIS_410_OG [0x19a]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/02/27	05:27:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	05:34:24.0	XRT_CTRL_MANU_428_OG [0x1ac]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	05:34:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]								
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/02/27	05:34:30.0	AOCS_OrE-point_Start_3_OG [0x099]								
			AOCU_NM	5	02-76	00 4e d9 02 d9				
2009/02/27	05:34:46.0	XRT_QT_PROG_SET_412_OG [0x19c]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2009/02/27	05:34:48.0	XRT_AEC_RESET_415_OG [0x19f]								
			MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/02/27	05:34:50.0	XRT_ARS_DIS_422_OG [0x1a6]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/02/27	05:34:52.0	XRT_FLD_DIS_445_OG [0x1bd]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/02/27	05:34:54.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/02/27	05:37:30.0	XRT_CTRL_AUTO_403_OG [0x193]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	05:51:30.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	06:18:30.0	XRT_Custom_430_OG [0x1ae]								
2009/02/27	06:19:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	07:32:00.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	07:56:00.0	XRT_Custom_430_OG [0x1ae]								
2009/02/27	07:57:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	09:12:00.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	09:32:00.0	XRT_Custom_430_OG [0x1ae]								
2009/02/27	09:33:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	10:54:00.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	11:00:00.0	XRT_Custom_430_OG [0x1ae]								
2009/02/27	11:01:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	12:00:00.5	XRT_CTRL_MANU_428_OG [0x1ac]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	12:00:02.5	XRT_FOCUS_POSITION_441_OG [0x1b9]								
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/02/27	12:00:22.5	XRT_QT_PROG_SET_407_OG [0x197]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2009/02/27	12:00:24.5	XRT_AEC_RESET_415_OG [0x19f]								
			MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/02/27	12:00:26.5	XRT_ARS_DIS_422_OG [0x1a6]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/02/27	12:00:28.5	XRT_FLD_DIS_445_OG [0x1bd]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/02/27	12:00:30.5	XRT_FLRCTRL_DIS_416_OG [0x1a0]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/02/27	12:00:32.5	XRT_CTRL_AUTO_403_OG [0x193]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	14:00:00.5	XRT_CTRL_MANU_428_OG [0x1ac]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	14:00:02.5	XRT_FOCUS_POSITION_441_OG [0x1b9]								
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/02/27	14:00:22.5	XRT_QT_PROG_SET_412_OG [0x19c]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2009/02/27	14:00:24.5	XRT_AEC_RESET_415_OG [0x19f]								
			MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/02/27	14:00:26.5	XRT_ARS_DIS_422_OG [0x1a6]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/02/27	14:00:28.5	XRT_FLD_DIS_445_OG [0x1bd]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				

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2009/02/27	14:00:30.5	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/02/27	14:00:32.5	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	14:41:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	14:49:30.0	XRT_Custom_430_OG [0x1ae]							
2009/02/27	14:50:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	16:15:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	16:38:30.0	XRT_Custom_430_OG [0x1ae]							
2009/02/27	16:39:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	17:51:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	18:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	18:14:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/02/27	18:15:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/02/27	18:15:16.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2009/02/27	18:15:18.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/02/27	18:15:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/02/27	18:15:22.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/02/27	18:18:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	18:24:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	18:24:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/02/27	18:25:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 4e d9 02 d9				
2009/02/27	18:25:16.0	XRT_QT_PROG_SET_412_OG [0x19c]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2009/02/27	18:25:18.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/02/27	18:25:20.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/02/27	18:25:22.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/02/27	18:25:24.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/02/27	18:28:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	19:28:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	19:52:00.0	XRT_Custom_430_OG [0x1ae]							
2009/02/27	19:53:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	21:06:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	21:29:30.0	XRT_Custom_430_OG [0x1ae]							
2009/02/27	21:30:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/27	22:43:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/27	23:04:30.0	XRT_Custom_430_OG [0x1ae]							
2009/02/27	23:05:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/28	00:21:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/28	00:29:30.0	XRT_Custom_430_OG [0x1ae]							
2009/02/28	00:30:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/28	01:45:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/28	02:03:30.0	XRT_Custom_430_OG [0x1ae]							
2009/02/28	02:04:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/28	03:19:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/28	03:40:30.0	XRT_Custom_430_OG [0x1ae]							
2009/02/28	03:41:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/28	04:49:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/28	05:18:00.0	XRT_Custom_430_OG [0x1ae]							
2009/02/28	05:19:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/02/28	06:00:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/02/28	06:00:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/02/28	06:00:30.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/02/28	06:00:46.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e				



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2009/02/28	06:00:48.0	XRT_FLD_DIS_419_OG [0x1a3]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/02/28	06:00:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/02/28	06:00:52.0	XRT_ARS_DIS_410_OG [0x19a]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/02/28	06:03:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/02/28	06:10:24.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/02/28	06:10:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/02/28	06:10:30.0	AOCS_OrE-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	00 4e d9 02 d9
2009/02/28	06:10:46.0	XRT_QT_PROG_SET_412_OG [0x19c]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2009/02/28	06:10:48.0	XRT_AEC_RESET_415_OG [0x19f]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2009/02/28	06:10:50.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/02/28	06:10:52.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/02/28	06:10:54.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/02/28	06:13:30.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/02/28	06:30:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/02/28	06:55:30.0	XRT_Custom_430_OG [0x1ae]			
2009/02/28	06:56:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/02/28	08:10:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/02/28	08:32:30.0	XRT_Custom_430_OG [0x1ae]			
2009/02/28	08:33:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/02/28	09:50:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/02/28	09:51:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/02/28	09:52:00.0	AOCS_OrE-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00