

# XRT Timeline to be uploaded on 2009/07/14

Period: 2009/07/14 09:41:00 - 2009/07/18 10:48:00

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Normal mode

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XOB #15BE: CH - Al/poly + Ti/poly + Thin-Be - AEC 1 - FOV 512x512 - 2 min cadence - lossless												
Term	Pointing (x, y)						Comment					
07/14 09:54:00 - 07/14 17:34:30	Track ( 794.4, 229.2) <sup>@ 07/14 09:51:00</sup>						# OP start + 10min, track on-disk CH, motivated by EIS study.					
<b>PROG= 04 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 80 30-time(s) 120.0sec												
└─ Al-poly/Open thin-Be/Open close Safe Norm 8.00s Obs 1x1 512x512 (1024, 1024) DPCM 1 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 16.0s Obs 1x1 512x512 (1024, 1024) DPCM 1 0 2.0sec												
└─ thin-Be/Open thin-Be/Open close Safe Norm 64.0s 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												

XOB #1650: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(723/11571) + G-band(16)-2												
Term	Pointing (x, y)						Comment					
07/14 18:20:30 - 07/14 18:27:24	Fixed ( 0.0, 0.0)						synoptic, shifted 17.5 min					
07/15 18:01:00 - 07/15 18:54:24	Fixed ( 0.0, 0.0)						synoptic, shifted -2.0 min					
<b>PROG= 16 1-time(s)</b>												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 36 1-time(s) 4.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Al-poly/Open Al-poly/thick-Al close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 7 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Seqn= 88 1-time(s) 4.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 92 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #15C6: CH - Al/poly + Ti/poly + Thin-Be - AEC 1 - FOV 512x512 - 3 min cadence - lossless												
Term	Pointing (x, y)						Comment					
07/14 18:30:30 - 07/15 06:03:24	Track ( 827.9, 233.9) <sup>@ 07/14 18:27:30</sup>						# Cont.					
<b>PROG= 20 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 80 30-time(s) 180.0sec												
└─ Al-poly/Open thin-Be/Open close Safe Norm 8.00s Obs 1x1 512x512 (1024, 1024) DPCM 1 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 16.0s Obs 1x1 512x512 (1024, 1024) DPCM 1 0 2.0sec												
└─ thin-Be/Open thin-Be/Open close Safe Norm 64.0s 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												

XOB #164F: Synoptic Q95 2x2 - Al/mesh(512/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(723/11571) + G-band(16)-2												
Term	Pointing (x, y)						Comment					
07/15 06:06:30 - 07/15 06:14:54	Fixed ( 0.0, 0.0)						synoptic, shifted 3.5 min, and extended for EIS sensitivity and for SOT flat fields.					
07/16 06:18:00 - 07/16 06:24:54	Fixed ( 0.0, 0.0)						synoptic, shifted 15.0 min					
<b>PROG= 18 1-time(s)</b>												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 47 1-time(s) 4.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 7 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Seqn= 88 1-time(s) 4.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 92 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1638: Synoptic 9 Filter- 2x2 Q98 Longer exp												
Term	Pointing (x, y)						Comment					
07/15 06:15:24 - 07/15 10:28:24	Fixed ( 0.0, 0.0)						synoptic, shifted 3.5 min, and extended for EIS sensitivity and for SOT flat fields.					
<b>PROG= 02 1-time(s)</b>												
└─ Subr= 1 1-time(s) 180.0sec												
└─ Seqn= 39 1-time(s) 30.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												

<b>Seqn= 19 1-time(s) 30.0sec</b>													
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	707ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 6 1-time(s) 30.0sec</b>													
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	5.66s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 52 1-time(s) 30.0sec</b>													
C-poly/Open	C-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
C-poly/Open	med-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 90 1-time(s) 30.0sec</b>													
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	16.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 55 1-time(s) 30.0sec</b>													
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
<b>Subr= 2 1-time(s) 360.0sec</b>													
<b>Seqn= 20 1-time(s) 4.0sec</b>													
med-Al/Open	med-Al/Open	close	Safe	Norm	64.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 45 1-time(s) 4.0sec</b>													
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 50 1-time(s) 4.0sec</b>													
Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	250ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 92 1-time(s) 4.0sec</b>													
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 #15E7: HOP81 - Al/poly, G-band - 16s - 384x384**

Term	Pointing (x, y)	Comment
07/15 10:31:30 - 07/15 17:57:54	Fixed ( -100.0, 890.0)	# N pole, for SOT high-cadence spicule, SP, etc., and EIS slots.
07/15 18:57:30 - 07/16 06:14:54	Fixed ( -100.0, 890.0)	# Cont.
07/16 06:28:00 - 07/16 08:50:30	Fixed ( -100.0, 890.0)	# Cont.

**PROG= 12 Inf.-time(s)**

<b>Subr= 1 1-time(s) 2.0sec</b>													
<b>Seqn= 1 1-time(s) 2.0sec</b>													
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384	(1064, 1048)	Q=90	0	0	2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>													
<b>Seqn= 99 60-time(s) 30.0sec</b>													
Al-poly/Open	Al-poly/Open	close	Safe	Norm	16.0s	Obs	1x1	384x384	(1064, 1048)	Q=90	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

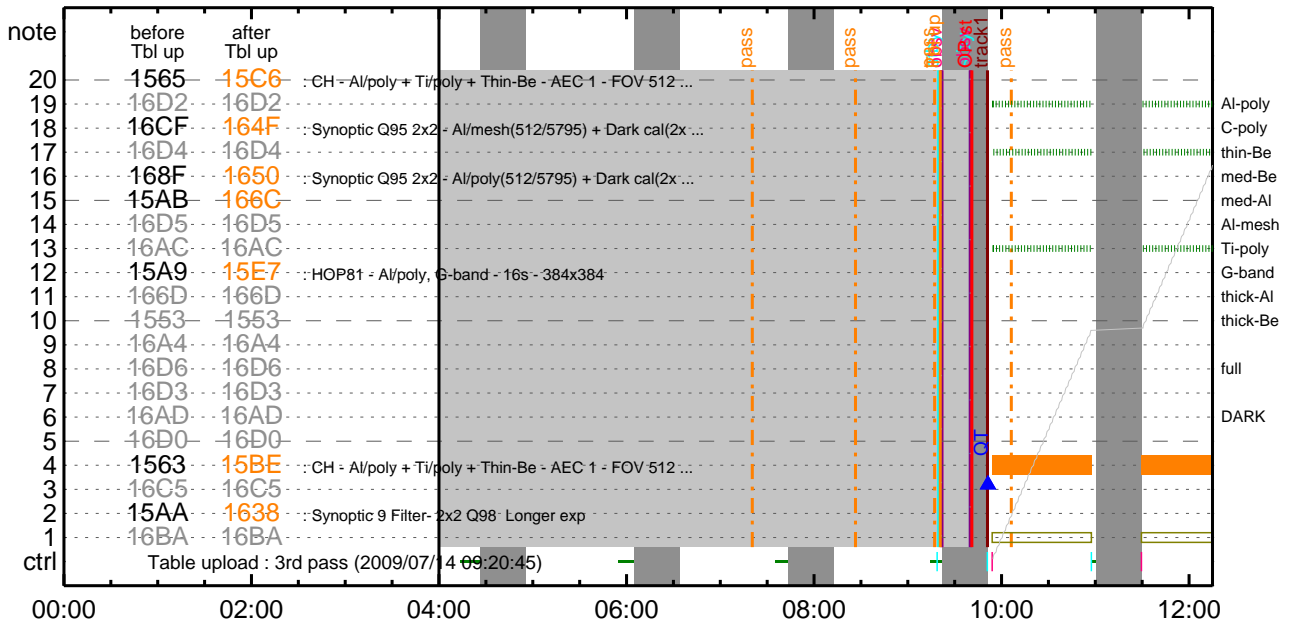
\* \* \* \* \*

**Flare Detection**

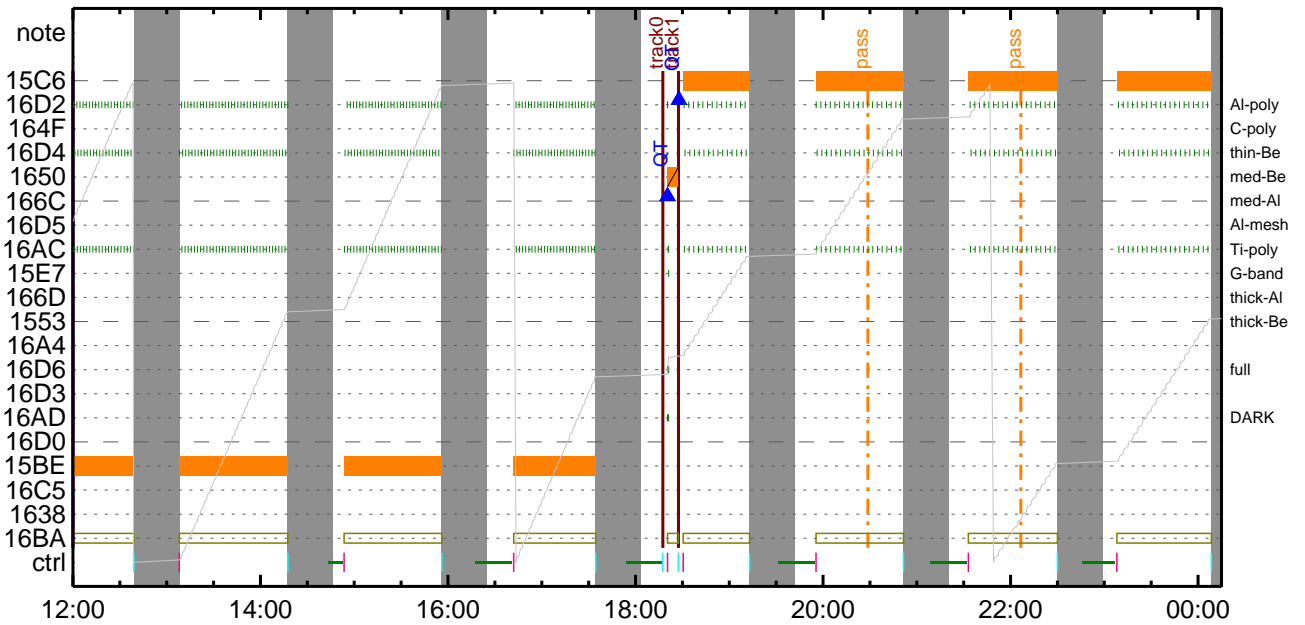
\* \* \* \* \*

NOT USED

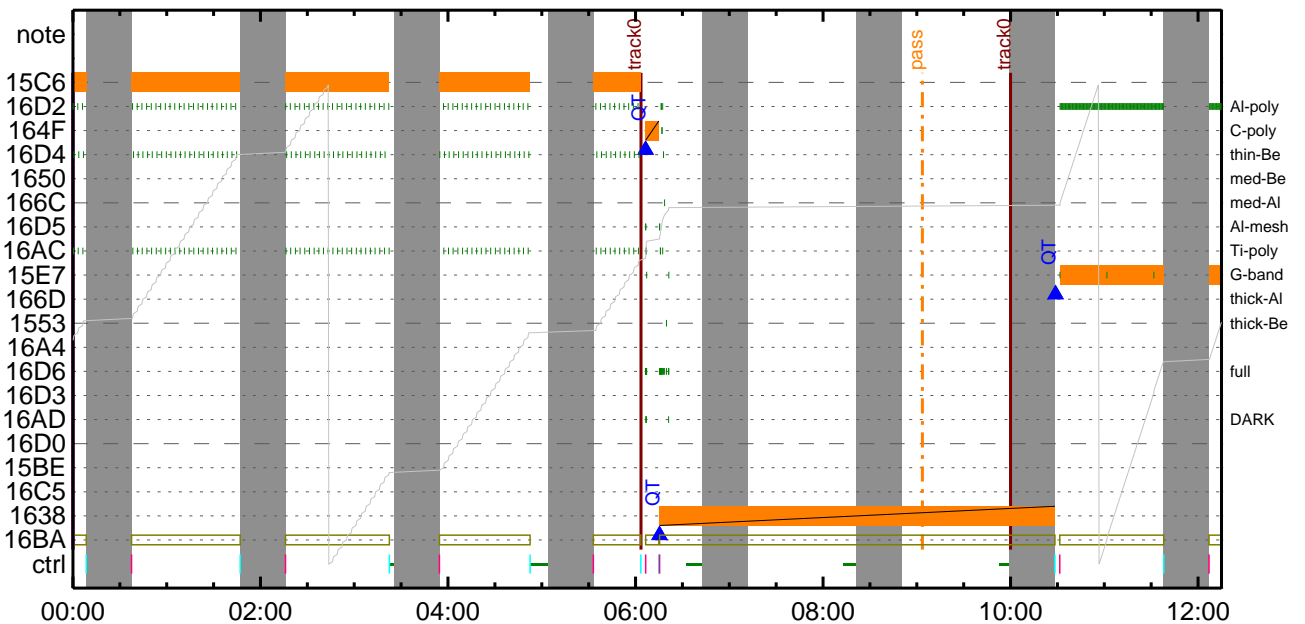
### CMDI #0670 2009/07/14



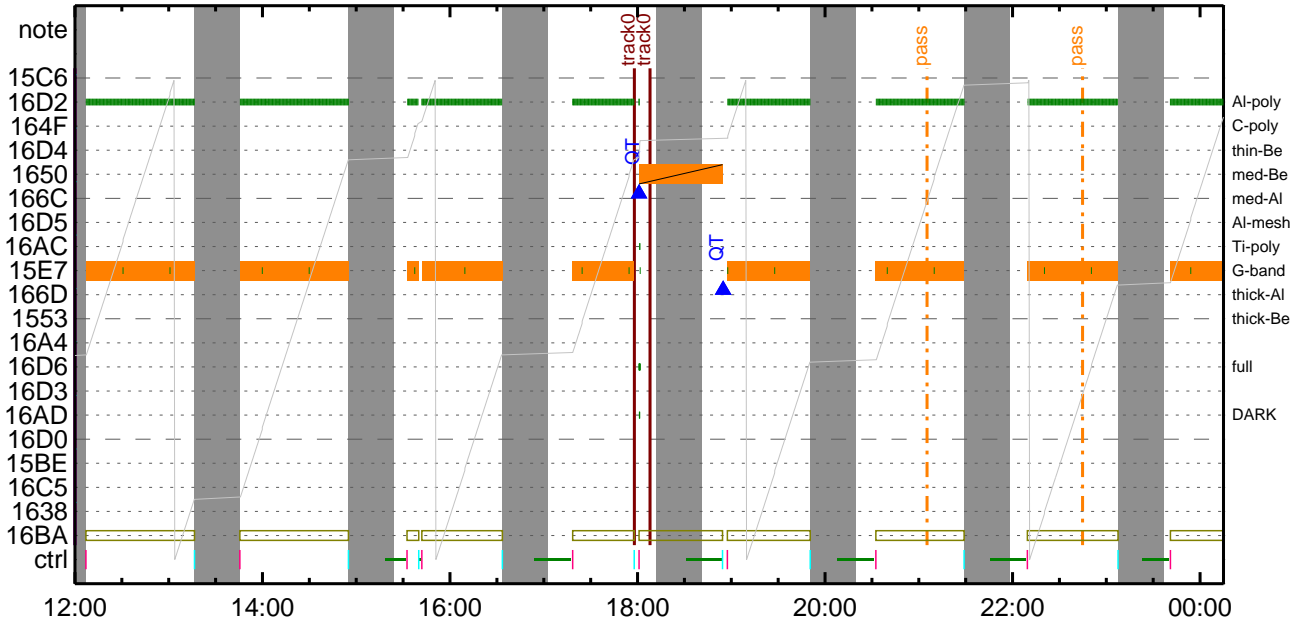
### CMDI #0670 2009/07/14



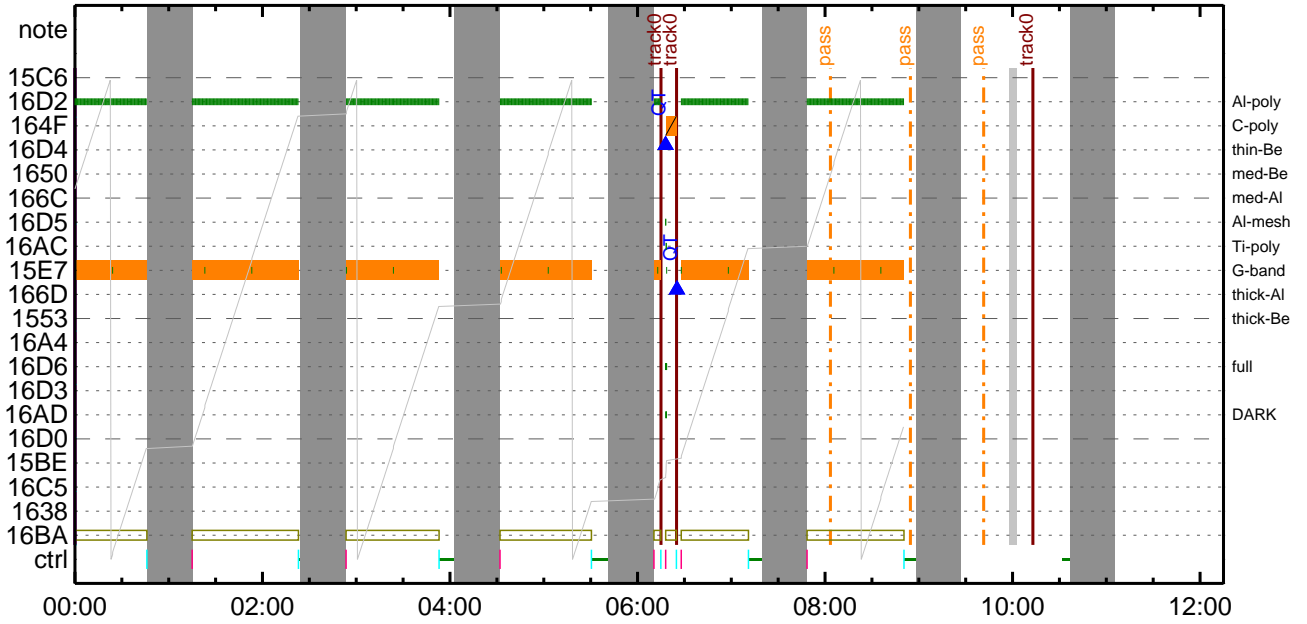
### CMDI #0670 2009/07/15



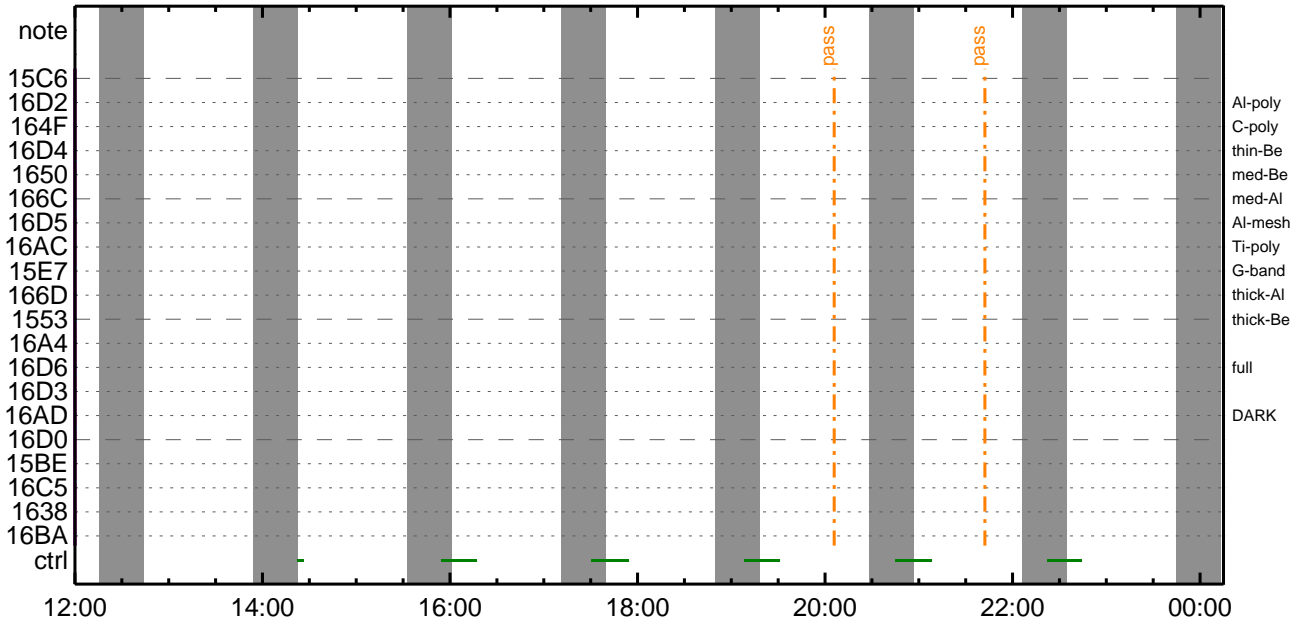
### CMDI #0670 2009/07/15



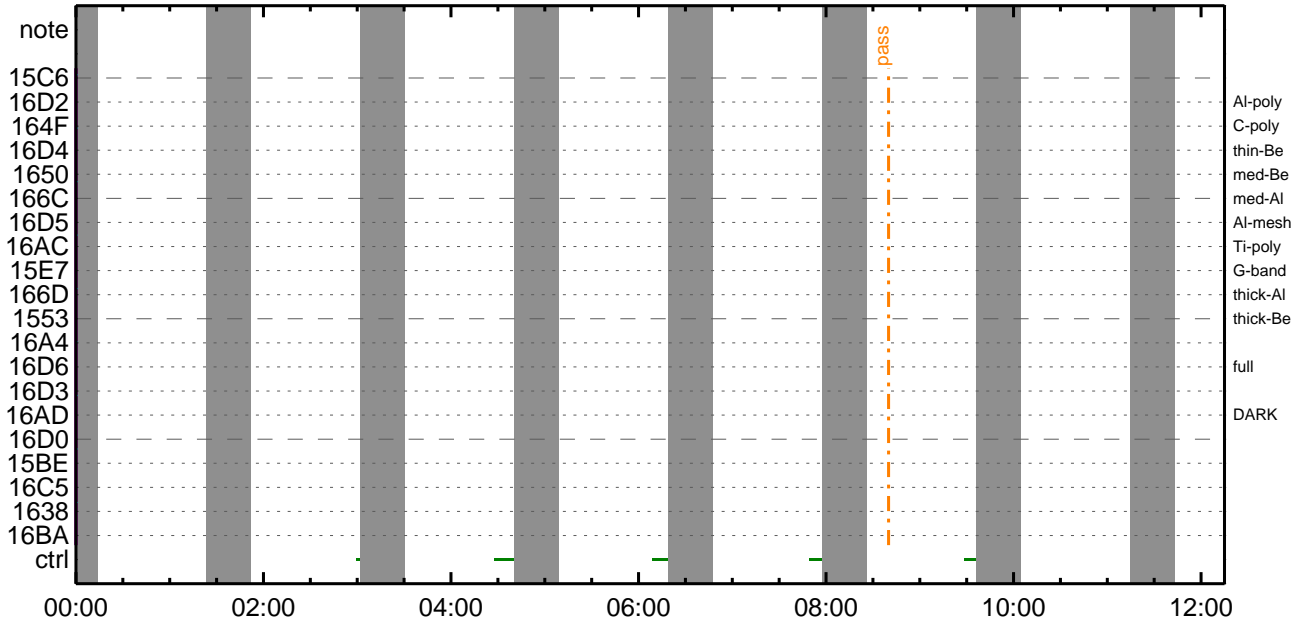
### CMDI #0670 2009/07/16



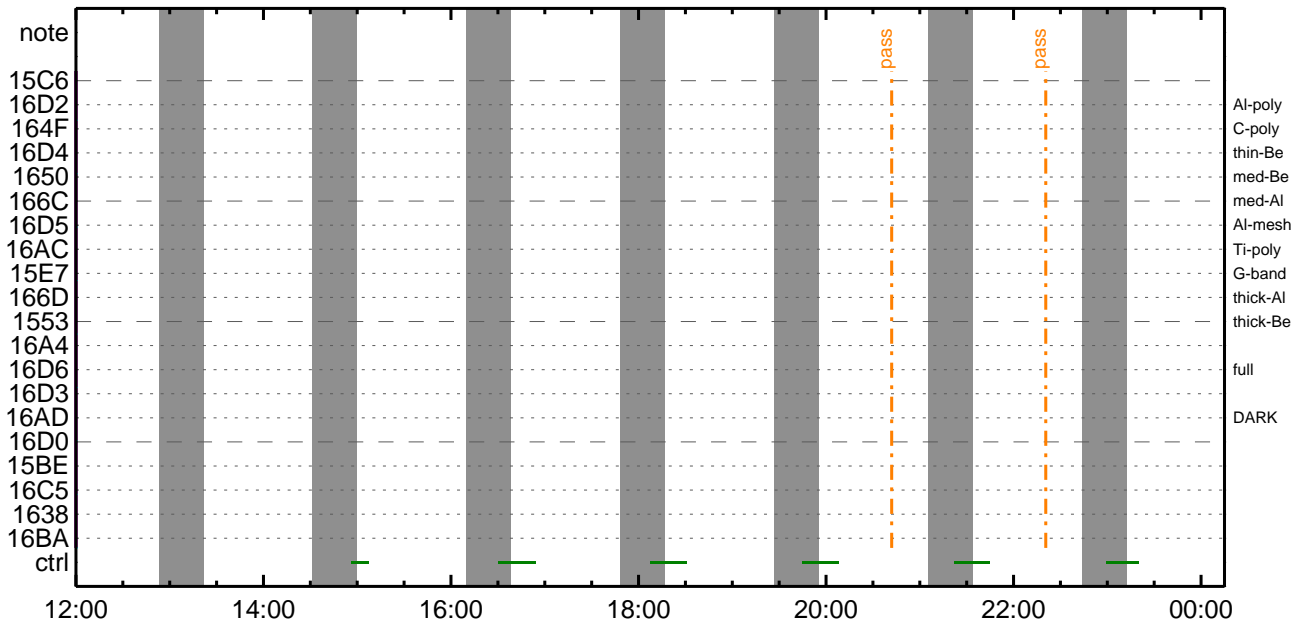
### CMDI #0670 2009/07/16



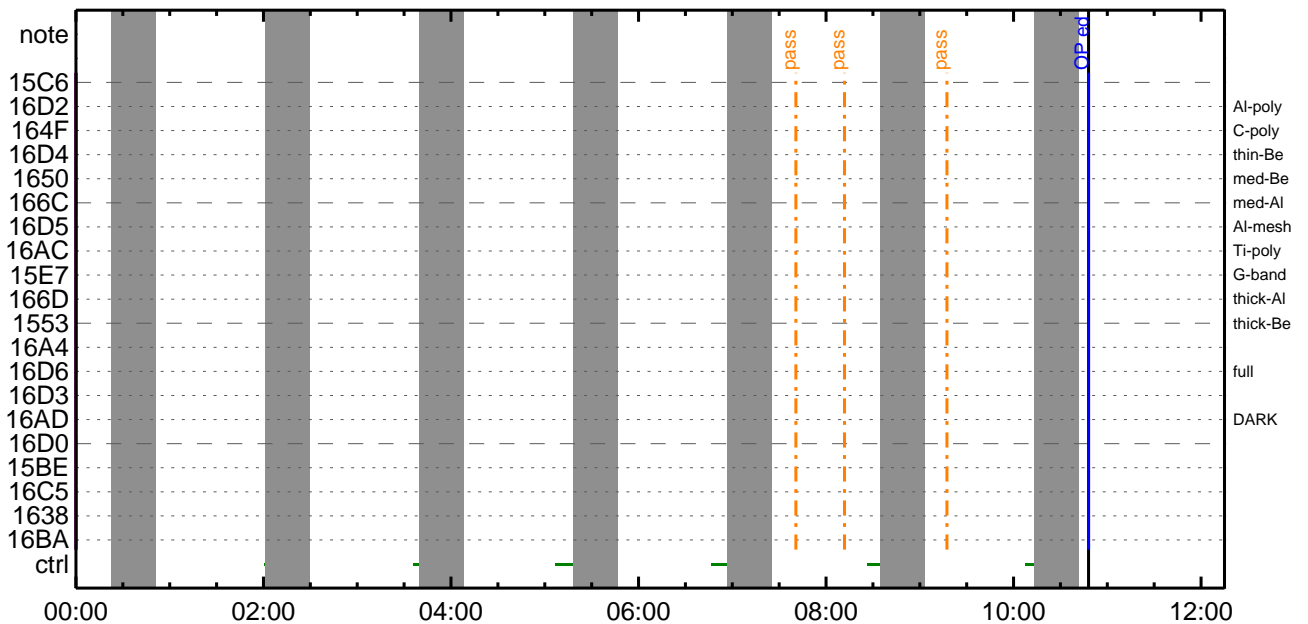
CMDI #0670 2009/07/17



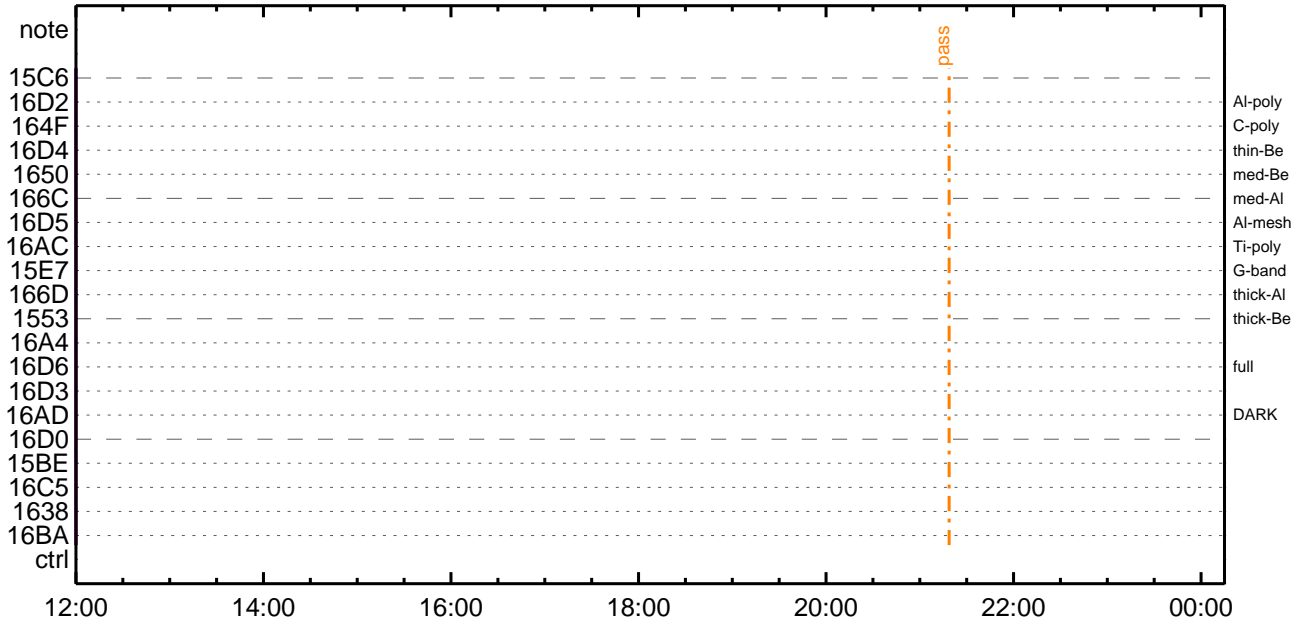
CMDI #0670 2009/07/17



CMDI #0670 2009/07/18



CMDI #0670 2009/07/18









```
0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 C.
```





(a) Spacecraft Operation Procedure (real-commands)

```
main-718 2009-07-14 11:34:52 134 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;È¿¿ãÁã•µ°Æ»Í×ÁÇãÍYçYÁY×Yí;¼YÉ;ÈÈè¼µ•ííÈ;ÈãÈ¼°ÇÔã•ã¿¼í¹çãí;çÁ®, ùã¹ãèããããÇÁ+¿®ã•ãÈããã³ãÈ;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-267: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. < Upload DPL table >
0036 C.
0037 C. YçYÁY×Yí;¼YÉãîÁ°ãÈSTS_CHKãðOFFãÈã¹ãè
0038 C.
0039 . S. RAM ram-271:MDP_DPL
0040 ( )
0041 C.
0042 . C. < Dump RAMID=MDP_DPL >
0043 +. DC 07-F0 MDP_DUMP_FGTBL
0044 BC (82 07 00 38 b8 00 40)
0045 C. -----
0046 C. MDP_DPL verify = OK [ ]
0047 C. -----
0048 C.
0049 C. STS_CHKãðONãÈã¹ãè
0050 C.
0051 . C. < Update MDP DSC PAR1 >
0052 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0053 BC (4c)
0054 C. MDP_CMD_CODE = F04C0700[ ]
0055 C. MDP_CMD_CNT (count-up 1) [ ]
0056 C. -----
0057 C.
0058 C.
0059 C. *****
0060 C. SOT TI command set
0061 C. *****
0062 C. Execute, after the success of TBL upload.
0063 +. TI 2009-07-14 09:40:18.0
0064 DC 07-F0 MDP_SOT_MODE_OBSV
0065 BC (40)
0066 . C. -----
0067 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0068 C. -----
0069 C.
0070 C.
0071 C. ***** XRT START *****
0072 C.
0073 +. DC 07-F0 MDP_XRT_CTRL_MANU
0074 BC (c1)
0075 +. DC 07-F0 MDP_XRT_MODE_STBY
0076 BC (c3)
0077 . C. ----- Success Verify ? OK / NG____
0078 C.
0079 C. XRT Obs. Table Upload
0080 . S. RAM ram-291:MDP_OBS_X
0081 ( )
0082 C.
0083 +. DC 07-F0 MDP_DUMP_XRTTBL
0084 BC (84 07 00 00 00 3a d4)
0085 . C. ----- Comparison Check ? OK / ERR ____
0086 C.
0087 C.
0088 +. DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 01 b1 b1 04 04)
0090 +. DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 02 b1 b1 08 08)
0092 +. DC 07-F0 MDP_XRT_ROI_SET
0093 BC (cd 03 b1 b1 08 08)
0094 +. DC 07-F0 MDP_XRT_ROI_SET
0095 BC (cd 04 b1 b1 06 06)
```

```
0096 + DC 07-F0 MDP_XRT_ROI_SET
0097 BC (cd 06 80 80 08 08)
0098 + DC 07-F0 MDP_XRT_ROI_SET
0099 BC (cd 07 80 80 20 20)
0100 + DC 07-F0 MDP_XRT_ROI_SET
0101 BC (cd 08 85 83 06 06)
0102 + DC 07-F0 MDP_XRT_ROI_SET
0103 BC (cd 0f 80 80 04 04)
0104 + DC 07-F0 MDP_XRT_ROI_SET
0105 BC (cd 10 80 80 10 10)
0106 . C. ----- Success Verify ? OK / NG ____
0107 C.
0108 C.
0109 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0110 C.
0111 +. DC 07-F0 MDP_XRT_MODE_OBSV
0112 BC (c2)
0113 +. TI 2009-07-14 09:40:02.0
0114 DC 07-F0 MDP_XRT_MODE_OBSV
0115 BC (c2)
0116 . C. ----- Success Verify ? OK / NG ____
0117 C.
0118 C. ***** XRT END *****
0119 C.
0120 . C. ***** MDP `úÃîñî»ò%ÝðÊÃð¹ñèDCBC•x²è *****
0121 C. (%á°îÿÓÿÃÿÈÿËÿËÿáÿçÿèñÊ½¼ñ¼Ã»Ûñ¹ñè)
0122 . S. DC-BC dcbc-402:DCBC
0123 (MDP_known_event)
0124 C.
0125 C.
0126 . C. ***** ÿDÿ!•Ï Daily±¿îññè`Øñ¹ñèDCBC•x²è *****
0127 . S. DC-BC dcbc-153:DCBC
0128 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0129 C.
0130 C.
0131 . C. ¡ãLOSÿÁÿ$ÿÃÿ-¼Ã»Û;ã
0132 C.
0133 . C. ***** LOS *****
0134 C.
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Jul 14, 09 11:35

XRT\_OGLIST\_0670.chk

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

2009/07/14	09:50:54.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	09:50:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2009/07/14	09:51:00.0	AOCS_Ore-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	01 00 00 00 00			
2009/07/14	09:51:16.0	XRT_QT_PROG_SET_413_OG [0x19d]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04			
2009/07/14	09:51:18.0	XRT_AEC_RESET_415_OG [0x19f]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2009/07/14	09:51:20.0	XRT_ARS_DIS_422_OG [0x1a6]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/07/14	09:51:22.0	XRT_FLD_DIS_445_OG [0x1bd]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/07/14	09:51:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/07/14	09:54:00.0	XRT_CTRL_AUTO_403_OG [0x193]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/14	10:57:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	11:29:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/14	12:39:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	13:08:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/14	14:17:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	14:52:30.0	XRT_Custom_430_OG [0x1ae]						
2009/07/14	14:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/14	15:56:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	16:41:00.0	XRT_Custom_430_OG [0x1ae]						
2009/07/14	16:42:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/14	17:34:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	18:17:24.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	18:17:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2009/07/14	18:17:30.0	AOCS_Ore-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2009/07/14	18:17:46.0	XRT_FLD_DIS_419_OG [0x1a3]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/07/14	18:17:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/07/14	18:17:50.0	XRT_ARS_DIS_410_OG [0x19a]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/07/14	18:20:28.0	XRT_QT_PROG_SET_404_OG [0x194]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10			
2009/07/14	18:20:30.0	XRT_CTRL_AUTO_440_OG [0x1b8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/14	18:27:24.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	18:27:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2009/07/14	18:27:30.0	AOCS_Ore-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	01 00 00 00 00			
2009/07/14	18:27:46.0	XRT_QT_PROG_SET_420_OG [0x1a4]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14			
2009/07/14	18:27:48.0	XRT_AEC_RESET_415_OG [0x19f]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2009/07/14	18:27:50.0	XRT_ARS_DIS_422_OG [0x1a6]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/07/14	18:27:52.0	XRT_FLD_DIS_445_OG [0x1bd]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/07/14	18:27:54.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/07/14	18:30:30.0	XRT_CTRL_AUTO_403_OG [0x193]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/14	19:13:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	19:54:30.0	XRT_Custom_430_OG [0x1ae]						
2009/07/14	19:55:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/14	20:51:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	21:32:00.0	XRT_Custom_430_OG [0x1ae]						
2009/07/14	21:33:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/14	22:30:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/14	23:07:00.0	XRT_Custom_430_OG [0x1ae]						
2009/07/14	23:08:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/15	00:08:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/15	00:37:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			

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2009/07/15	01:47:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	02:16:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	03:22:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	03:54:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	04:52:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	05:33:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	06:03:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	06:03:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/07/15	06:03:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00		
2009/07/15	06:03:46.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/07/15	06:03:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/07/15	06:03:50.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/07/15	06:06:28.0	XRT_QT_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12		
2009/07/15	06:06:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	06:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	06:14:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/07/15	06:15:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/07/15	06:15:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/07/15	06:15:20.0	XRT_ARS_DIS_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/07/15	06:15:22.0	XRT_QT_PROG_SET_414_OG [0x19e]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02		
2009/07/15	06:15:24.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	10:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 b0 e6 08 e5		
2009/07/15	10:28:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	10:28:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/07/15	10:28:46.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c		
2009/07/15	10:28:48.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2009/07/15	10:28:50.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/07/15	10:28:52.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/07/15	10:28:54.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/07/15	10:31:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	11:38:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	12:07:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	13:16:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	13:45:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	14:55:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	15:31:30.0	XRT_Custom_430_OG [0x1ae]						
2009/07/15	15:32:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	15:40:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	15:41:00.0	XRT_Custom_430_OG [0x1ae]						
2009/07/15	15:42:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	16:33:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	17:17:30.0	XRT_Custom_430_OG [0x1ae]						
2009/07/15	17:18:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/15	17:57:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/15	17:57:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/07/15	17:58:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00		
2009/07/15	17:58:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/07/15	17:58:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		

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2009/07/15	17:58:20.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/07/15	18:00:58.0	XRT_QT_PROG_SET_404_OG [0x194]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2009/07/15	18:01:00.0	XRT_CTRL_AUTO_440_OG [0x1b8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/15	18:08:00.0	AOCS_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 b0 e6 08 e5				
2009/07/15	18:54:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/15	18:54:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/07/15	18:54:46.0	XRT_QT_PROG_SET_438_OG [0x1b6]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2009/07/15	18:54:48.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/07/15	18:54:50.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/07/15	18:54:52.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/07/15	18:54:54.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/07/15	18:57:30.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/15	19:50:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/15	20:31:30.0	XRT_Custom_430_OG [0x1ae]							
2009/07/15	20:32:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/15	21:29:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/15	22:08:30.0	XRT_Custom_430_OG [0x1ae]							
2009/07/15	22:09:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/15	23:07:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/15	23:40:00.0	XRT_Custom_430_OG [0x1ae]							
2009/07/15	23:41:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/16	00:46:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/16	01:15:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/16	02:23:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/16	02:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/16	03:53:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/16	04:32:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/16	05:30:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/16	06:10:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/16	06:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/16	06:14:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/07/16	06:15:00.0	AOCS_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/07/16	06:15:16.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/07/16	06:15:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/07/16	06:15:20.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/07/16	06:17:58.0	XRT_QT_PROG_SET_401_OG [0x191]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2009/07/16	06:18:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/16	06:24:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/16	06:24:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/07/16	06:25:00.0	AOCS_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 b0 e6 08 e5				
2009/07/16	06:25:16.0	XRT_QT_PROG_SET_438_OG [0x1b6]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2009/07/16	06:25:18.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/07/16	06:25:20.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/07/16	06:25:22.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/07/16	06:25:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/07/16	06:28:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/16	07:11:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/16	07:48:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				



2009/07/16	08:50:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2009/07/16	10:13:00.5	AOCS_ORe-point_Start_2_OG [0x098]		
		AOCU_NM	5	02-76 00 00 00 00 00