

# XRT Timeline to be uploaded on 2008/11/08

Period: 2008/11/08 10:06:00 - 2008/11/14 09:48:00

\* \* \* \* \*

Normal mode

\* \* \* \* \*

<b>XOB #15FC: Al/poly+Ti/poly-384x384-AEC4-low-cadence</b>											
Term	Pointing (x, y)	Comment									
11/08 11:02:08 - 11/08 15:27:54	Track ( -610.8, -162.5) <sup>Ⓜ 11/08 10:16:00</sup>	# OP start + 10min, HOP 89, bright area (HOP officially over 15:30 - 16:30 UT).									
11/09 12:02:08 - 11/09 15:08:54	Track ( -458.8, -167.6) <sup>Ⓜ 11/09 05:54:30</sup>	# HOP 89, officially from 15:00 - 17:30 UT, and observe bright area if extra telemetry.									
11/10 19:17:08 - 11/11 06:24:24	Track ( -137.9, -171.4) <sup>Ⓜ 11/10 18:15:30</sup>	# Observe bright area, if extra telemetry.									
<b>PROG= 15 Inf.-time(s)</b>											
└─ <b>Subr= 1 1-time(s) 900.0sec</b>											
└─ <b>Seqn= 80 1-time(s) 600.0sec</b>											
└─ Al-poly/Open	Al-poly/Open	close	Safe	Norm	11.3s	Obs	1x1	384x384 (1024, 1024)	DPCM	4	0 120.0sec
└─ Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1024, 1024)	DPCM	4	0 120.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
<b>XOB #15FA: HOP89-Al/poly(384x384) lossless-AEC4(8192ms)</b>											
Term	Pointing (x, y)	Comment									
11/08 15:30:02 - 11/08 17:32:00	Track ( -610.8, -162.5) <sup>Ⓜ 11/08 10:16:00</sup>	# OP start + 10min, HOP 89, bright area (HOP officially over 15:30 - 16:30 UT).									
11/09 15:11:02 - 11/09 17:47:24	Track ( -458.8, -167.6) <sup>Ⓜ 11/09 05:54:30</sup>	# HOP 89, officially from 15:00 - 17:30 UT, and observe bright area if extra telemetry.									
<b>PROG= 04 Inf.-time(s)</b>											
└─ <b>Subr= 1 1-time(s) 60.0sec</b>											
└─ <b>Seqn= 69 1-time(s) 4.0sec</b>											
└─ Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1024, 1024)	DPCM	4	0 2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
<b>XOB #15D6: Synoptic Q95 2x2 - Al/poly(362/5795) + Dark cal(512 Q98) + Ti-poly(512/11571) + G-band(16)</b>											
Term	Pointing (x, y)	Comment									
11/08 18:01:00 - 11/08 18:08:54	Fixed ( 0.0, 0.0)	synoptic, shifted -1.0 min									
11/09 17:49:30 - 11/09 17:57:24	Fixed ( 0.0, 0.0)	synoptic, shifted -12.5 min									
11/10 18:07:30 - 11/10 19:15:00	Fixed ( 0.0, 0.0)	synoptic, shifted 5.5 min									
<b>PROG= 19 1-time(s)</b>											
└─ <b>Subr= 1 1-time(s) 12.0sec</b>											
└─ <b>Seqn= 74 1-time(s) 4.0sec</b>											
└─ 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/thick-Al	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec	
└─ <b>Seqn= 57 1-time(s) 2.0sec</b>											
└─ Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	354ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec	
└─ <b>Seqn= 4 1-time(s) 4.0sec</b>											
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	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	
└─ <b>Seqn= 92 1-time(s) 2.0sec</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
<b>XOB #15FB: Coronal cavity (Al/poly-12s, Ti/poly-16s, Thin Be-32s)-DPCM 2x2-768X768-FOV offset (1208,912)</b>											
Term	Pointing (x, y)	Comment									
11/08 18:11:00 - 11/09 05:09:54	Fixed ( 720.0, -610.0)	# Cavity observations.									
11/09 17:59:30 - 11/10 05:59:54	Fixed ( 720.0, -610.0)	# Cavity observations.									
<b>PROG= 14 Inf.-time(s)</b>											
└─ <b>Subr= 1 1-time(s) 600.0sec</b>											
└─ <b>Seqn= 31 1-time(s) 2.0sec</b>											
└─ Al-poly/Open	Al-poly/Open	close	Safe	Norm	11.3s	Obs	2x2	768x768 (1208, 912)	DPCM	0 0 2.0sec	
└─ <b>Seqn= 35 1-time(s) 2.0sec</b>											
└─ Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	16.0s	Obs	2x2	768x768 (1208, 912)	DPCM	0 0 2.0sec	
└─ <b>Seqn= 37 2-time(s) 2.0sec</b>											
└─ thin-Be/Open	med-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	768x768 (1208, 912)	DPCM	0 0 2.0sec	
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
<b>XOB #15C7: Dither Pointing Q3 5x-ray-512x512_NO_GBAND-long exposure</b>											
Term	Pointing (x, y)	Comment									
11/09 05:13:00 - 11/09 05:17:54	Fixed ( 528.4, 528.4)	* XRT dither sequence (3 in total).									
11/09 05:21:00 - 11/09 05:25:54	Fixed ( 529.4, 538.7)	* Cont.									
11/09 05:29:00 - 11/09 05:44:24	Fixed ( 530.5, 500.6)	* Dither, last.									
<b>PROG= 01 1-time(s)</b>											
└─ <b>Subr= 1 1-time(s) 30.0sec</b>											
└─ <b>Seqn= 53 1-time(s) 30.0sec</b>											
└─ thin-Be/Open	thin-Be/Open	close	Safe	Norm	64.0s	Obs	1x1	512x512 (768, 768)	DPCM	0 0 6.0sec	
└─ C-poly/Open	thin-Be/Open	close	Safe	Norm	16.0s	Obs	1x1	512x512 (768, 768)	DPCM	0 0 6.0sec	
└─ Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	16.0s	Obs	1x1	512x512 (768, 768)	DPCM	0 0 6.0sec	
└─ Al-poly/Open	Al-poly/Open	close	Safe	Norm	11.3s	Obs	1x1	512x512 (768, 768)	DPCM	0 0 6.0sec	
└─ Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	5.66s	Obs	1x1	512x512 (768, 768)	DPCM	0 0 6.0sec	
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

<b>XOB #15E4: Synoptic Q95 2x2 - Al/mesh(256/4096) + Dark cal(362 Q98) + Ti-poly(512/11571) + G-band(16)</b>												
Term	Pointing (x, y)		Comment									
11/09 05:46:30 - 11/09 05:49:00	Fixed (	0.0, 0.0)	synoptic, shifted -15.5 min									
11/10 06:02:00 - 11/10 07:25:00	Fixed (	0.0, 0.0)	synoptic									
11/11 06:26:30 - 11/14 09:48:00	Fixed (	0.0, 0.0)	synoptic, shifted 24.5 min									
<b>PROG= 16 1-time(s)</b>												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 13 1-time(s) 4.0sec												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 57 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	354ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 4 1-time(s) 4.0sec												
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	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	

<b>XOB #15FE: Full Sun - multi-filter snapshots</b>												
Term	Pointing (x, y)		Comment									
11/09 05:49:04 - 11/09 12:00:00	Fixed (	0.0, 0.0)	synoptic, shifted -15.5 min									
<b>PROG= 09 1-time(s)</b>												
└─ Subr= 1 1-time(s) 30.0sec												
└─ Seqn= 51 1-time(s) 4.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
C-poly/Open	C-poly/Open	close	Safe	Norm	125ms	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	250ms	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn= 81 2-time(s) 4.0sec												
med-Al/Open	med-Al/Open	close	Safe	Norm	32.0s	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
med-Be/Open	med-Be/Open	close	Safe	Norm	11.3s	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
med-Be/Open	med-Al/Open	close	Safe	Dark	32.0s	Obs	8x8	2048x2048 (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 #15FD: QS dynamics - Al/poly 384x384 - DPCM - 20s burst</b>												
Term	Pointing (x, y)		Comment									
11/10 07:27:06 - 11/10 08:30:00	Track (	-45.5, -0.3)	# EIS QS obs. @ 11/10 06:10:00									
<b>PROG= 12 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 15.0sec												
└─ Seqn= 17 1-time(s) 4.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	11.3s	Obs	1x1	384x384 (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 #15FF: HOP89-Al/poly(384x384) lossless - fixed exposure (8192ms)</b>												
Term	Pointing (x, y)		Comment									
11/10 15:02:00 - 11/10 18:05:24	Track (	-500.0, 0.1)	* HOP 89, track QS (official HOP from 15:00 - 17:30 UT). @ 11/10 15:00:00									
<b>PROG= 11 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 60.0sec												
└─ Seqn= 3 1-time(s) 4.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1024, 1024)	DPCM	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
* * * * *

NOT USED

* * * * *
Active Region Search
* * * * *

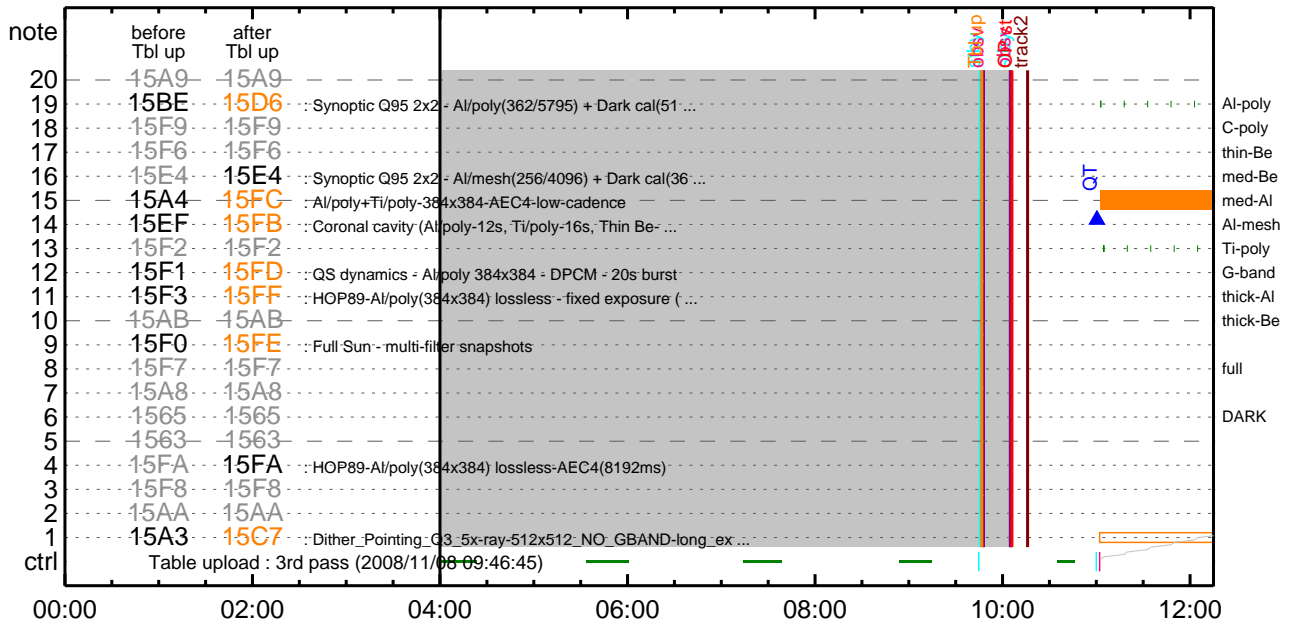
NOT USED

* * * * *
Flare Detection
* * * * *

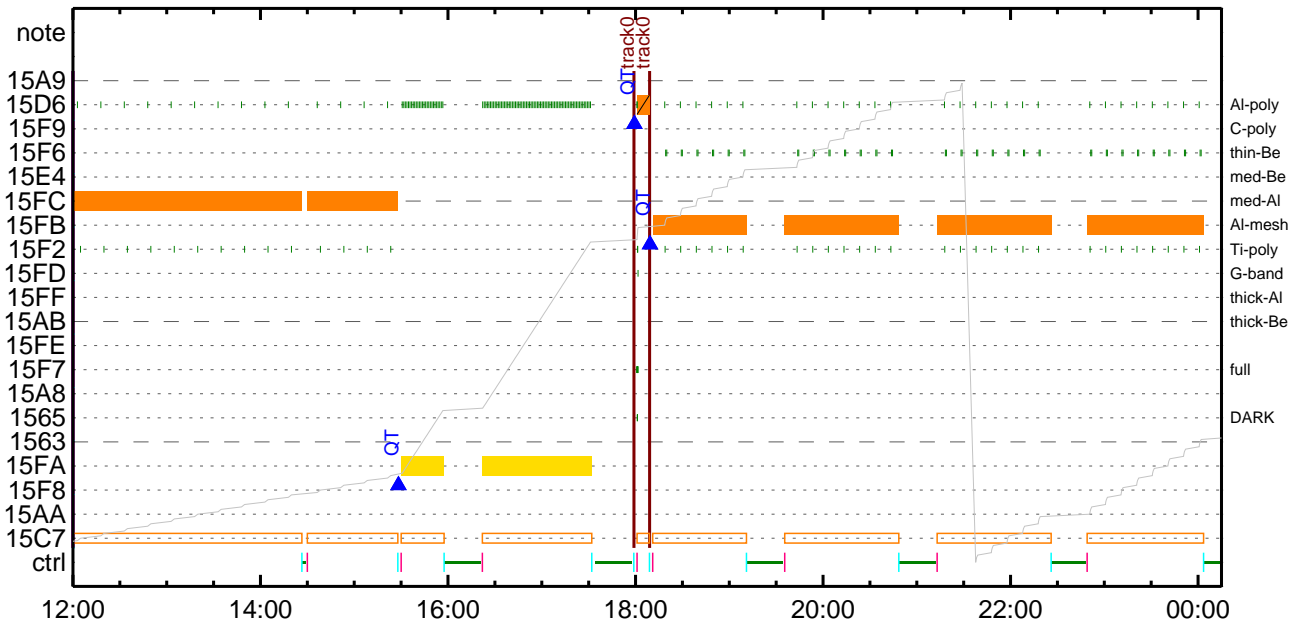
NOT USED

```

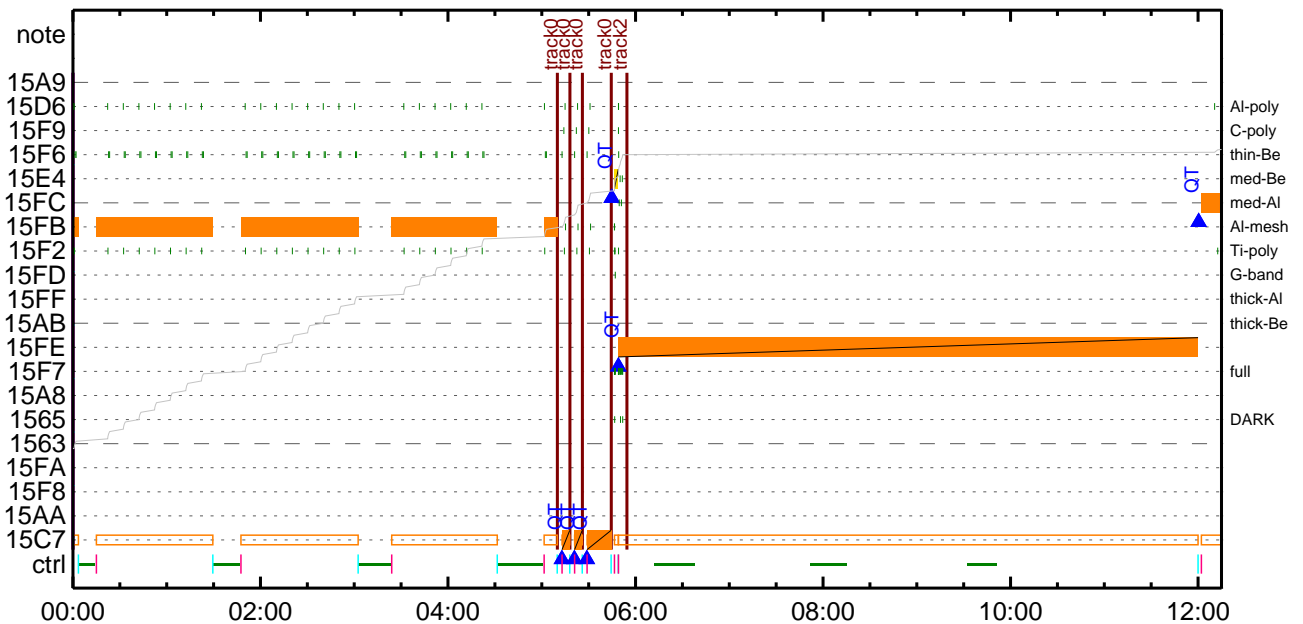
### CMDI #0243 2008/11/08



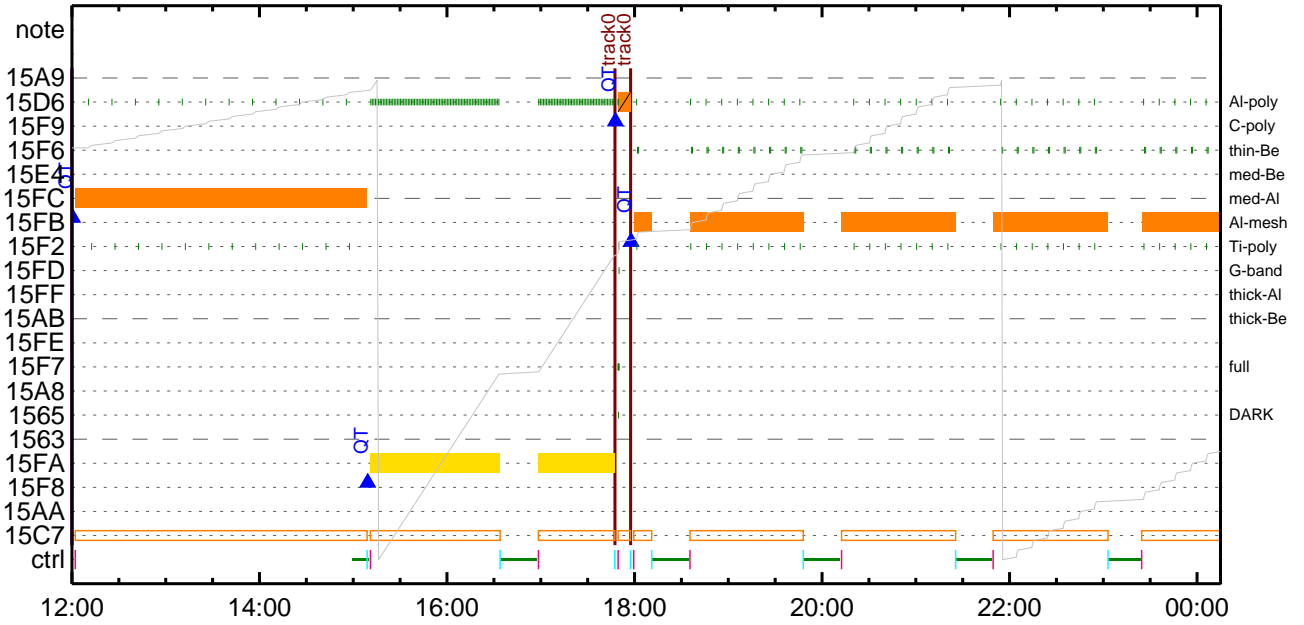
### CMDI #0243 2008/11/08



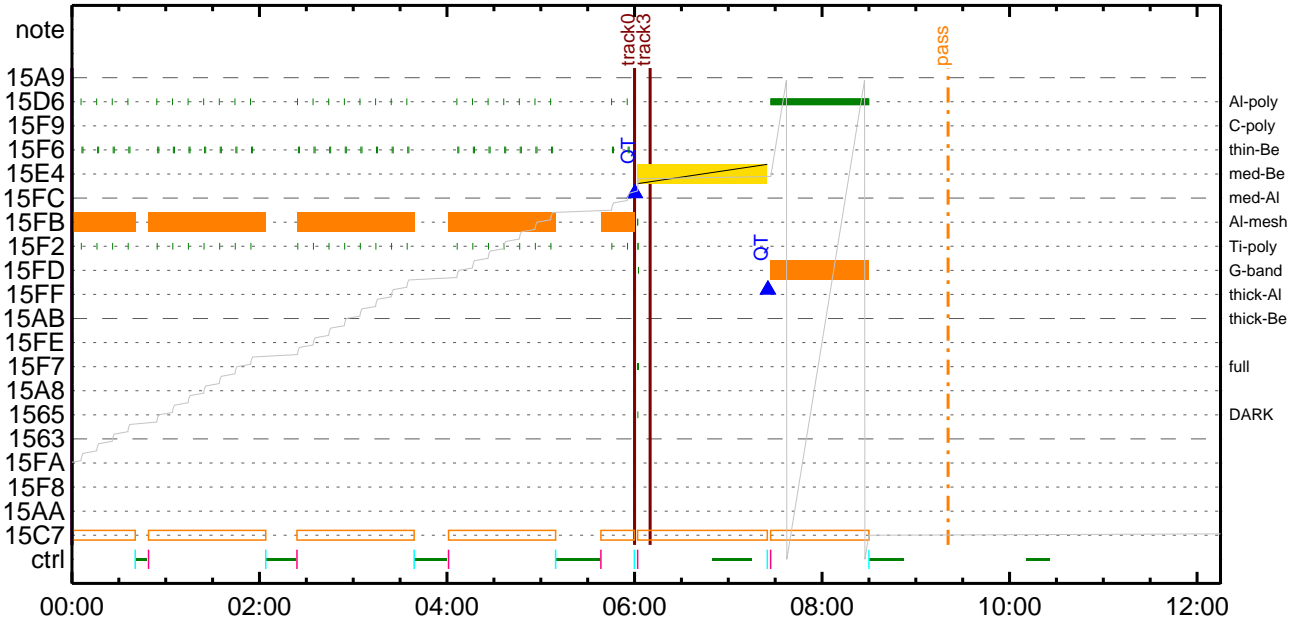
### CMDI #0243 2008/11/09



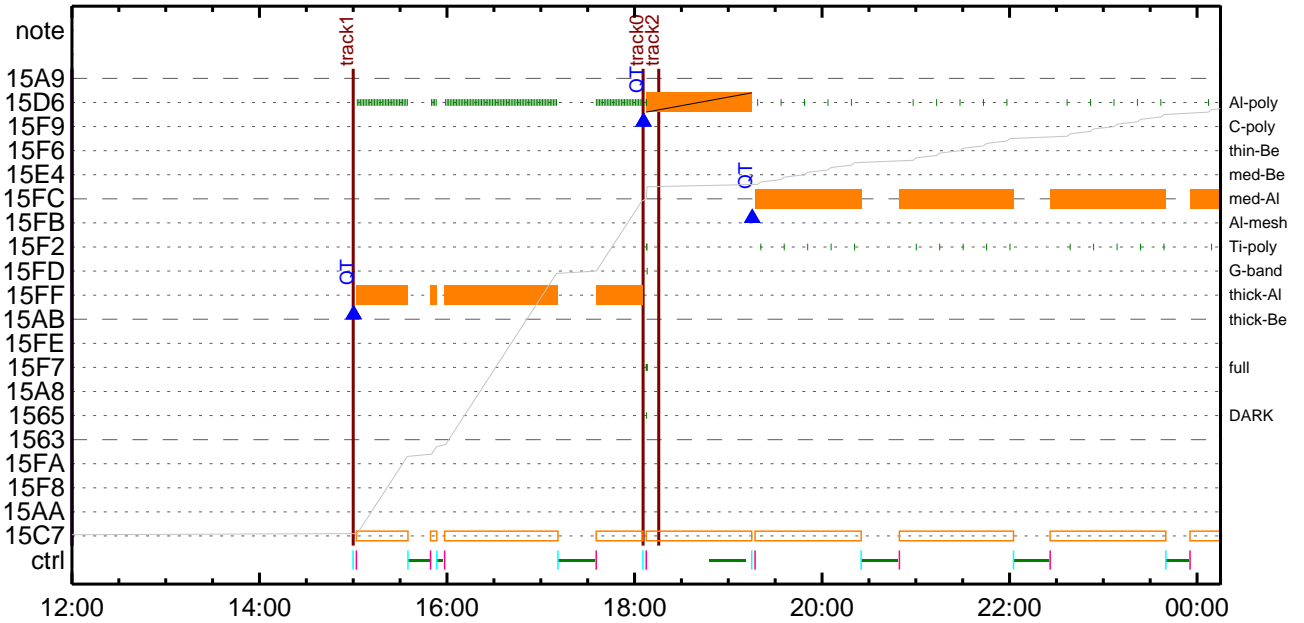
CMDI #0243 2008/11/09



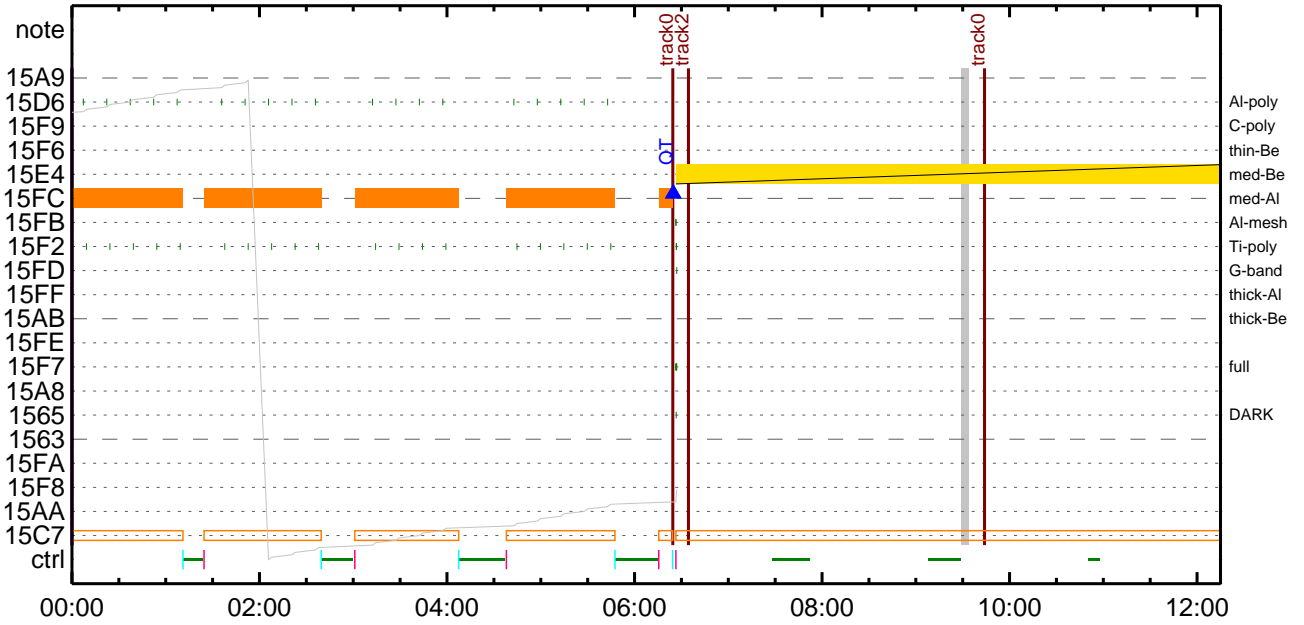
CMDI #0243 2008/11/10



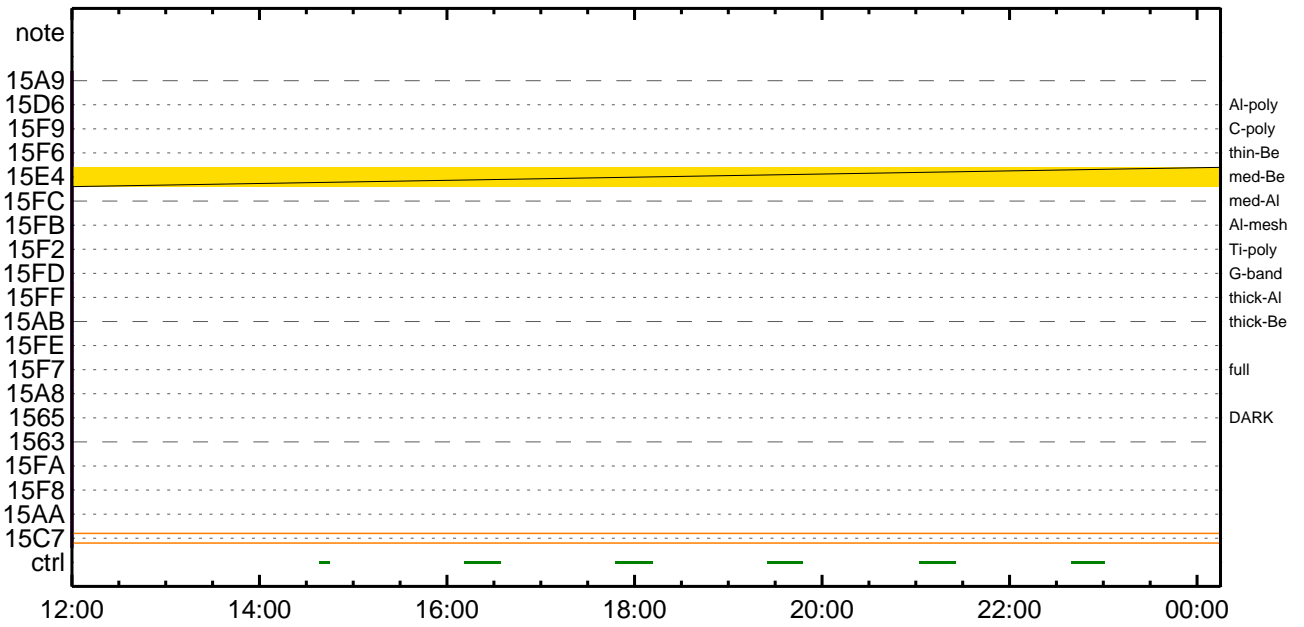
CMDI #0243 2008/11/10



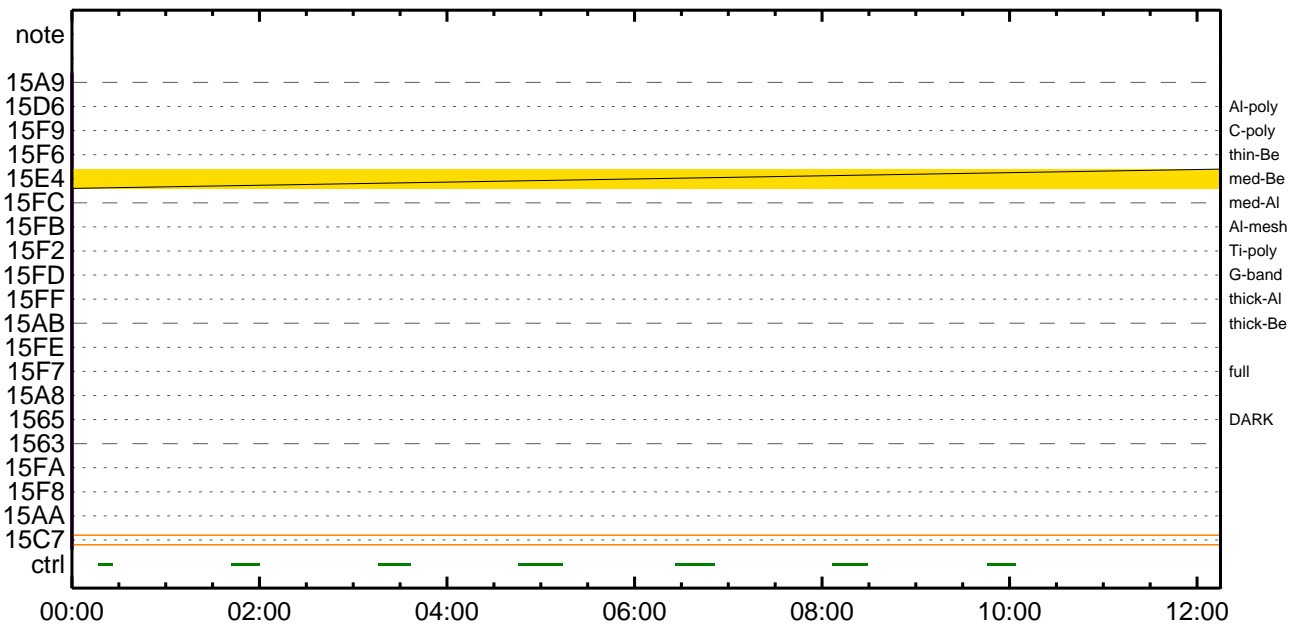
CMDI #0243 2008/11/11



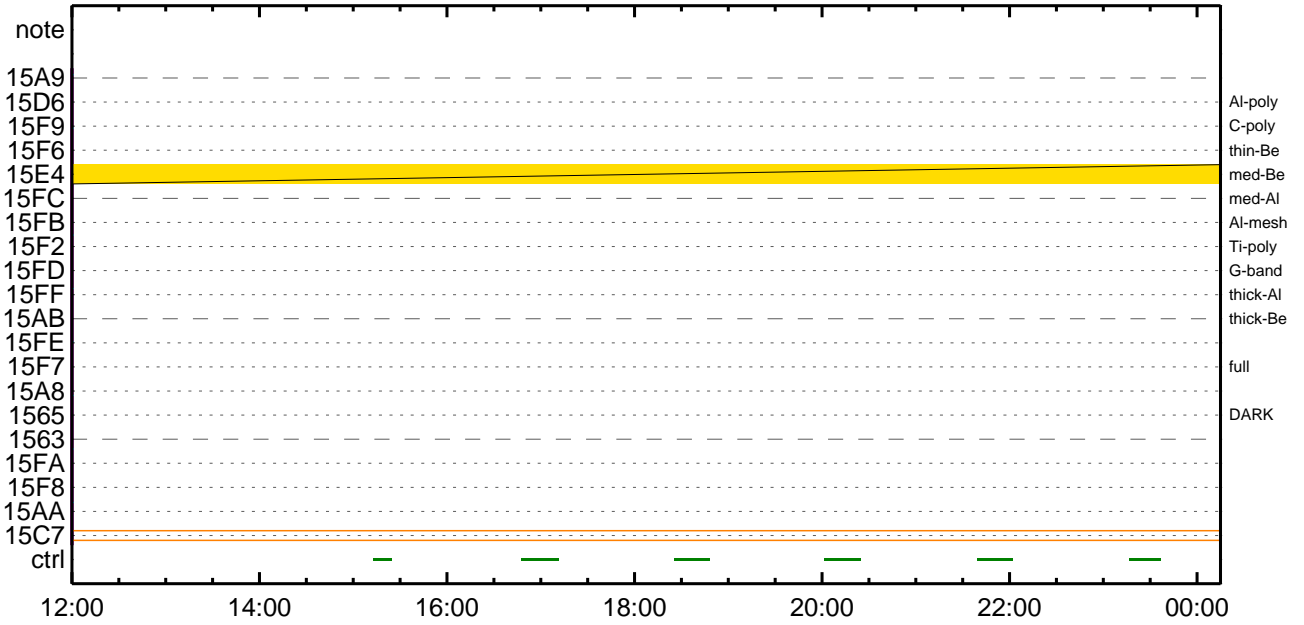
CMDI #0243 2008/11/11



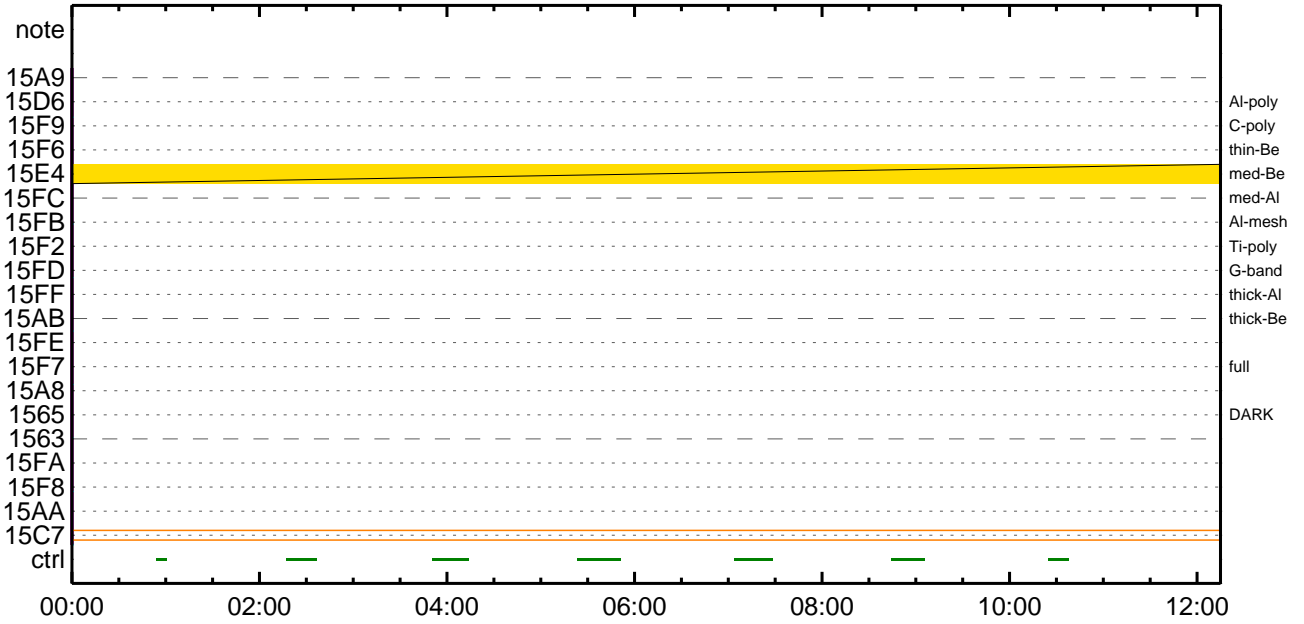
CMDI #0243 2008/11/12



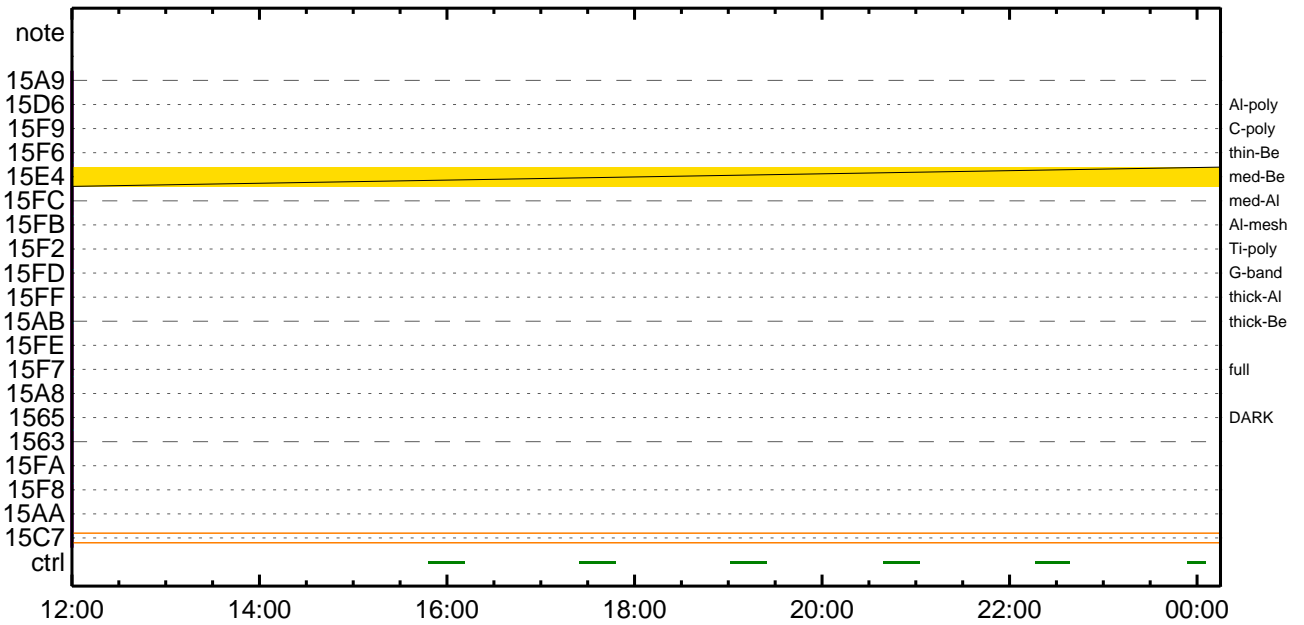
CMDI #0243 2008/11/12



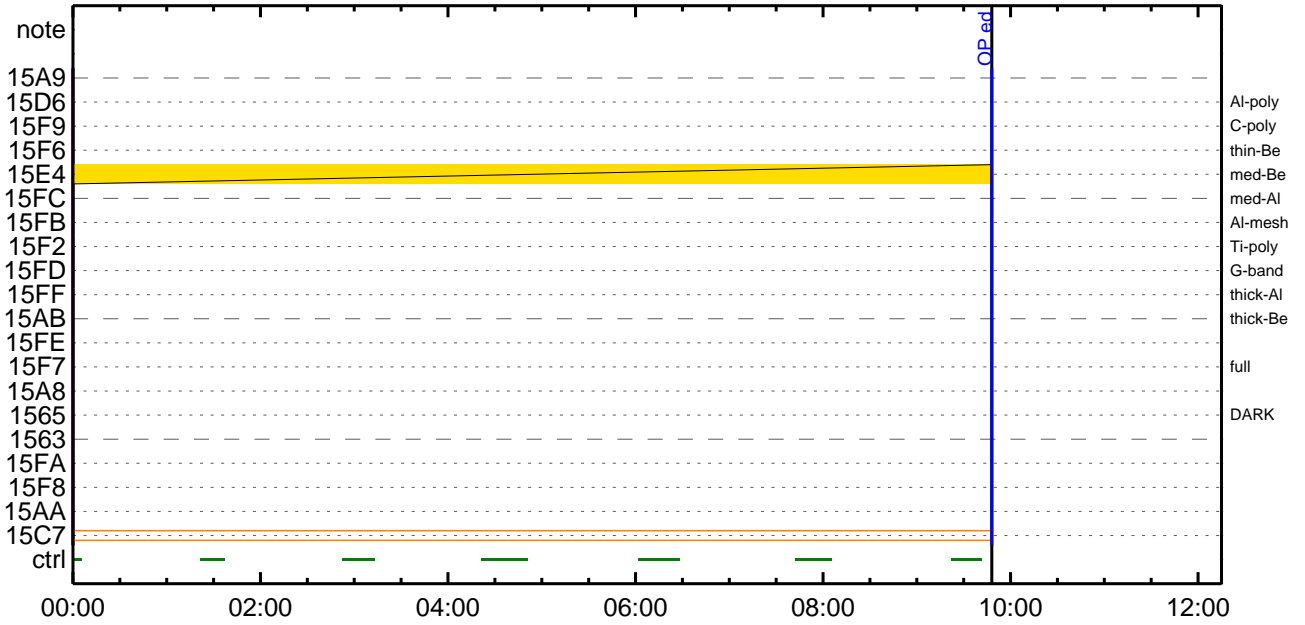
CMDI #0243 2008/11/13



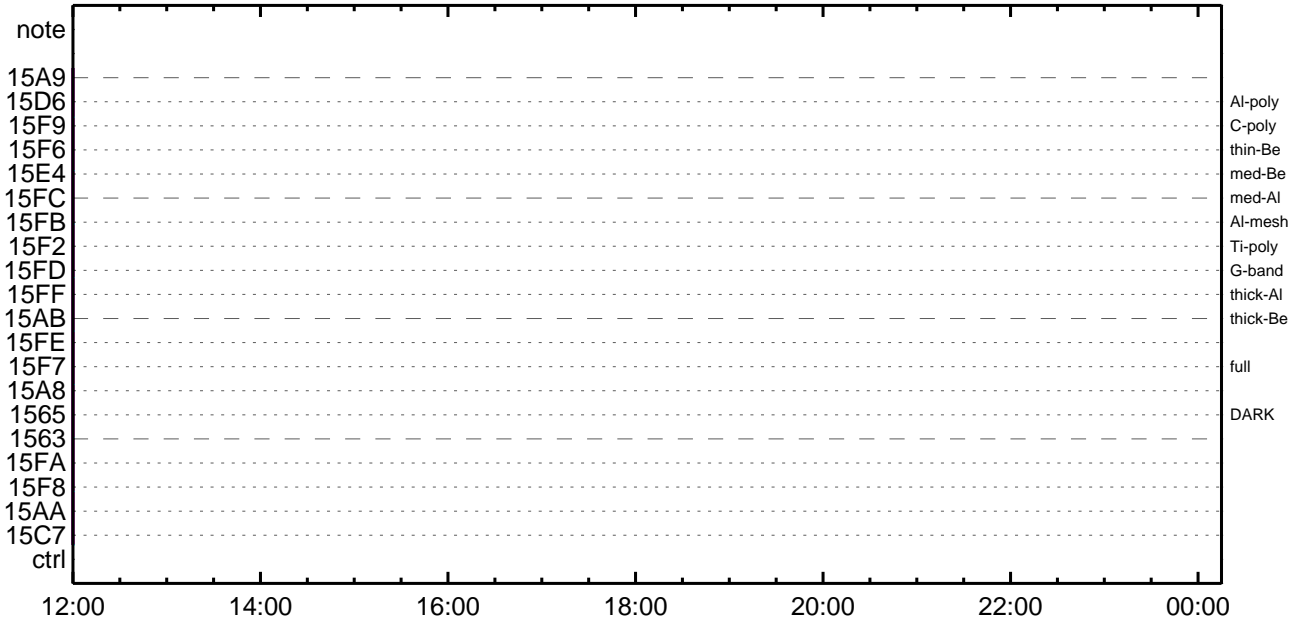
CMDI #0243 2008/11/13



CMDI #0243 2008/11/14



CMDI #0243 2008/11/14



(a) Spacecraft Operation Procedure (real-commands)

```
main-243 2008-11-08 14:17:15 205 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ä
0005 C.
0006 C. YÀYB;¼Y³YF¥6YÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿ðÁð•µ°Æ»Í×ÁÇ¿ÍYçYÁY×Yí;¼YÉ;ÈÈèµ•íÉ;ÈèÈ¼°ÇÓð•¿¼l¹ç¿í;çÀ®, ùñ¹ðèððçÁ+¿®ð•ðÈððð³ðÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OGYí;¼YÉ;|YÁY6Y×
0016 C. *****
0017 C.
0018 . C. ;ãOP/OGYí;¼YÉ;ä
0019 . S. OP op-243:OP
0020 ()
0021 . S. OG og-243:OG
0022 ()
0023 C.
0024 . C. ;ãNMOG&OPÍ°èYÁY6Y×;ä
0025 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. çç[HK1_PKT_FORM_NO] EQ 7
0036 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. YÀY6Y×¼ªª î»ðð³ îÇ§
0041 C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGðî¼È¹ç•è² îOKðð³ îÇ§
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. çç[HK1_PKT_FORM_NO] EQ 7
0055 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. YÀY6Y×¼ªª î»ðð³ îÇ§
0060 C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGðî¼È¹ç•è² îOKðð³ îÇ§
0062 C.
0063 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. çç[HK1_PKT_FORM_NO] EQ 7
0074 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. YÀY6Y×¼ªª î»ðð³ îÇ§
0079 C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG,RAM ID=OPðî¼È¹ç•è² îOKðð³ îÇ§
0081 C.
0082 . C. ***** òÈ²¼òî¼Á´¶¼ðèÈ-òÀ+¿® (¼áµ-YÀY6Y×¼è¼çððÁÓÃæç¼ªª ò¼¼î¹çççðâ) *****
0083 C. DHUYâ;¼YÉ;È¼Y¼;Yí;¼YÉ;ÈòðÍá¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. çç[HK1_PKT_FORM_NO] EQ 2
0087 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0089 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE ;§ OPOG UPLOADð-Á+¿®NGðî¼È¹ç;ç°È²¼ðî¼TI-CMDÁ+¿®ðî¼Á¹Ôð•ðÈððð³ðÈ;f
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0096 C.                0300;çSET0EDUMP01Æ±°iYÑY¹0Ç¹00|0³0E;E
0097 C.
0098 . C. TIY³YFYOYÉ00dÅDİç(UT)
0099 +. TI 2008-11-08 10:01:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0102 C.
0103 +. TI 2008-11-08 10:01:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0106 C.
0107 +. TI 2008-11-08 10:01:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0110 C.
0111 +. TI 2008-11-08 10:05:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0114 C.
0115 C. °E²¼0İÄè%îíÑ0İYÁY§YÁY-¹àİÜ
0116 C.                çç[HK1_TI_CMD_ENA/DIS]            EQ        ENA
0117 C.                çç[HK1_TI_CMD_NUM]                EQ        4
0118 C.                çç[HK1_NEXT_EXEC_PIM]            EQ        DHU
0119 C.                çç[HK1_NEXT_EXEC_DC]            EQ        0xB3
0120 C.
0121 . C. *****
0122 C. TIİİ°èYÀYOY×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC (03 ab 03 01 02)
0128 C.                çç[HK1_DMP_TOP_ADRS_1]            EQ        07
0129 C.                çç[HK1_DMP_TOP_ADRS_0]            EQ        2B
0130 C.                çç[HK1_DMP_BLOCK_NUM]            EQ        3
0131 C.                çç[HK1_DMP_REPEAT_NUM]           EQ        0
0132 C.                çç[HK1_DMA_DMP_PIM]              EQ        DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C.                çç[HK1_PKT_FORM_NO]                EQ        7
0136 C.                çç[HK1_PKT_GEN_TIME]              EQ        0.25 s
0137 C.                çç[HK1_S_TLM_BIT_RATE]            EQ        32k
0138 C.                çç[HK1_X_TLM_BIT_RATE]           EQ        4M
0139 C.                çç[HK1_DMP_CHK_FLG]              EQ        EXEC
0140 C.
0141 . C. YÀYOY×¼²¹İ»0d³İÇ§
0142 C.                çç[HK1_DMP_CHK_FLG]              EQ        NON
0143 C.
0144 . C. RAM ID=TI_TBL0İ%È¹Ç•è²İOK0d³İÇ§
0145 C.
0146 . C. DHUYâ;¼YÉ;È¼Y¼, Yî;¼YÈ;È0dİá0¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.                çç[HK1_PKT_FORM_NO]                EQ        2
0150 C.                çç[HK1_PKT_GEN_TIME]              EQ        0.5S
0151 C.                çç[HK1_S_TLM_BIT_RATE]            EQ        32K
0152 C.                çç[HK1_X_TLM_BIT_RATE]           EQ        4M
0153 C.
0154 C.
0155 C. ***** XRT START *****
0156 C. Execute, after the success of OP upload.
0157 +. TI 2008-11-08 10:05:00.0
0158 DC 07-F0 MDP_XRT_MODE_STBY
0159 BC (c3)
0160 . C.                [ ] [HK1_TI_CMD_NUM]            EQ        1COUNTUP
0161 C.
0162 C. ***** XRT END *****
0163 . C. Stop EIS observation and temporarily disable EIS mode changes
0164 C.
0165 C.
0166 C. ***** Start EIS operation (TI set) *****
0167 C. Execute, after the success of OP upload.
0168 C. Set EIS TI-commands
0169 +. TI 2008-11-08 10:05:30.0
0170 DC 07-FC EIS_MODE_MANU
0171 BC (21 02)
0172 +. TI 2008-11-08 10:05:40.0
0173 DC 07-FC EIS_MODE_CHG_DIS
0174 BC (22)
0175 . C.                [ ] [HK1_TI_CMD_NUM]            EQ        2 COUNTUP
0176 C. ***** End EIS operation (TI set) *****
0177 C.
0178 C.
0179 C. *****
0180 C. SOT TI command set
0181 C. *****
0182 C. Execute, after the success of OP upload.
0183 +. TI 2008-11-08 10:05:16.0
0184 DC 07-F0 MDP_SOT_MODE_STBY
0185 BC (41)
0186 . C. -----
0187 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0188 C. -----
0189 C. ***** SOT END *****
0190 C.
0191 . C. ***** MDP `úÄİ0İ»ö¼Y0ÈÄ0¹0èDCBC•×²è *****
0192 C. (%â°İYÖYÁYÉYÏYÉYÁYçYè0E¼00¼Ä»Ü0¹0é)
0193 . S. DC-BC dcbc-402:DCBC

```

```
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. ;ãLOSŸÁŸSŸÃŸ~¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-244 2008-11-08 14:17:15 82 33 SOLAR-B MAIN //  
0001  C.  
0002  . C. ***** AOS *****  
0003  C.  
0004  . C. ;ãAOSYÁY$YÁY~¼Á»Û;ã  
0005  C.  
0006  C. YÁY$;¼Y³YFYÓYÉÁ+¿®  
0007 +. DC 00-00 NULL_DUMMY_CMD  
0008  C.  
0009  . C. ***** AOCS : Reload orbital element (send every contact) *****  
0010  C. Áí;Ë¿¿BÁ•µ°È»Í×ÁÇ¿ÍYçYÁY×Yí;¼YÉ;ËËèµ•ííË;ËèE¼°ÇÔB•B¿¼i¹ç¿Í;çÁ®, ùB¹èBèB¿çÁ+¿®B•BËB¿B³BË;f  
0011 +. DC 02-8E AOCU_ORB_UPD  
0012  C.  
0013  C.  
0014  . C. ***** AOCS Commands (Tracking Curve Upload) *****  
0015  C. Upload the Orbit Element and the Target Attitude  
0016  C. RAM-ID:TARGET_ATT  
0017  . S. RAM ram-150:TARGET_ATT  
0018  ( )  
0019  C.  
0020  C.  
0021  C. Set the dump memory area of TARGET_ATT  
0022 +. DC 02-48 AOCU_DUMP_SET  
0023  BC (07 00 00 00 18 00)  
0024  C.  
0025  C. <A_ST$1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]  
0026  C.  
0027  C.  
0028  C. Change the TLMFormatNo for the AOCS Dump Format  
0029 +. DC 01-22 DHU_MODE_CHNG  
0030  BC (04 0b f8)  
0031  C.  
0032  C. Wait for AOCS DUMP to end  
0033  C.  
0034  . C. Check the dump memory  
0035  C.  
0036  C. Result = OK [ ]  
0037  C.  
0038 +. DC 01-22 DHU_MODE_CHNG  
0039  BC (02 0a f8)  
0040  C.  
0041  C. <A_***>[TLM STS] FMT = 2 [ ]  
0042  C.  
0043 +. DC 02-8E AOCU_ORB_UPD  
0044  . C.  
0045  C. Load OBSTBL, dump OBSTBL, enable EIS mode changes  
0046 +. DC 07-FC EIS_MODE_MANU  
0047  BC (21 02)  
0048  . C. Verify EIS in MANUAL mode  
0049  . C. Estimated OBSTBL upload time is 34s  
0050  C. *****  
0051  C. EIS START OBSTBL LOAD  
0052  C. *****  
0053  . S. RAM ram-820:EIS_OBSTBL  
0054  ( )  
0055 +. DC 07-FC EIS_DUMP_OBSTBL  
0056  BC (07 07 07 00 00 70 00)  
0057  C.  
0058  C. Execute, after the success of OBSTBL upload.  
0059  C. Set EIS TI-commands  
0060 +. TI 2008-11-08 10:05:50.0  
0061  DC 07-FC EIS_MODE_CHG_ENA  
0062  BC (20)  
0063  . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP  
0064  C. *****  
0065  C. EIS END OBSTBL LOAD  
0066  C. *****  
0067  C.  
0068  . C. ***** MDP `ûÁîôî»ò¼Y¿BÁ¿B¹BèDCBC•x²è *****  
0069  C. (¼á°íYÓYÁYËYB³YÉYáYçYËèB¼¿¼Á»ÛB¹Bè)  
0070  . S. DC-BC dcbc-402:DCBC  
0071  (MDP_known_event)  
0072  C.  
0073  C.  
0074  . C. ***** YBY!·Ï Daily±¿íÑBË`ØB¹BèDCBC•x²è *****  
0075  . S. DC-BC dcbc-153:DCBC  
0076  (SPECIAL-CMD_DAILY_OPERATIN_DCB)  
0077  C.  
0078  C.  
0079  . C. ;ãLOSÁY$YÁY~¼Á»Û;ã  
0080  C.  
0081  . C. ***** LOS *****  
0082  C.
```



```

0096 C.
0097 C.
0098 . C. *****
0099 C. SOT table upload
0100 C. *****
0101 . C. < Stop FG table >
0102 +. DC 07-F0 MDP_FG_CTRL_MANU
0103 BC (51)
0104 . C. -----
0105 C. MDP_FG_CTRL_MODE = MANU [ ]
0106 C. -----
0107 C.
0108 . C. <Upload FG Observation Table>
0109 . S. RAM ram-268:MDP_OBS_F
0110 ( )
0111 C.
0112 . C. < Dump RAMID=MDP_OBS_F >
0113 +. DC 07-F0 MDP_DUMP_FGTBL
0114 BC (82 07 00 00 00 38 b8)
0115 C. -----
0116 C. MDP_OBS_F verify = OK/NG [ ]
0117 C. -----
0118 C.
0119 . C. < Stop SP table >
0120 +. DC 07-F0 MDP_SP_CTRL_MANU
0121 BC (61)
0122 C. -----
0123 C. MDP_SP_CTRL_MODE = MANU [ ]
0124 C. -----
0125 C.
0126 . C. <Upload SP Observation Table>
0127 . S. RAM ram-281:MDP_OBS_S
0128 ( )
0129 C.
0130 . C. < Dump RAMID=MDP_OBS_S >
0131 +. DC 07-F0 MDP_DUMP_SPTBL
0132 BC (83 07 00 00 00 38 b8)
0133 C. -----
0134 C. MDP_OBS_S verify = OK/NG [ ]
0135 C. -----
0136 C.
0137 C. *****
0138 C. SOT TI command set
0139 C. *****
0140 C. Execute, after the success of TBL upload.
0141 +. TI 2008-11-08 10:05:18.0
0142 DC 07-F0 MDP_SOT_MODE_OBSV
0143 BC (40)
0144 . C. -----
0145 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0146 C. -----
0147 C.
0148 C.
0149 C. ***** XRT START *****
0150 C.
0151 +. DC 07-F0 MDP_XRT_CTRL_MANU
0152 BC (c1)
0153 + DC 07-F0 MDP_XRT_MODE_STBY
0154 BC (c3)
0155 . C. ----- Success Verify ? OK / NG____
0156 C.
0157 C. XRT Obs. Table Upload
0158 . S. RAM ram-291:MDP_OBS_X
0159 ( )
0160 C.
0161 +. DC 07-F0 MDP_DUMP_XRTTBL
0162 BC (84 07 00 00 00 3a d4)
0163 . C. ----- Comparison Check ? OK / ERR ____
0164 C.
0165 C.
0166 +. DC 07-F0 MDP_XRT_ROI_SET
0167 BC (cd 01 b1 b1 04 04)
0168 + DC 07-F0 MDP_XRT_ROI_SET
0169 BC (cd 02 b1 b1 08 08)
0170 + DC 07-F0 MDP_XRT_ROI_SET
0171 BC (cd 03 b1 b1 08 08)
0172 + DC 07-F0 MDP_XRT_ROI_SET
0173 BC (cd 04 b1 b1 06 06)
0174 + DC 07-F0 MDP_XRT_ROI_SET
0175 BC (cd 06 80 80 06 06)
0176 + DC 07-F0 MDP_XRT_ROI_SET
0177 BC (cd 07 80 80 20 20)
0178 + DC 07-F0 MDP_XRT_ROI_SET
0179 BC (cd 08 97 72 0c 0c)
0180 + DC 07-F0 MDP_XRT_ROI_SET
0181 BC (cd 09 60 60 08 08)
0182 + DC 07-F0 MDP_XRT_ROI_SET
0183 BC (cd 0f 80 80 04 04)
0184 + DC 07-F0 MDP_XRT_ROI_SET
0185 BC (cd 10 80 80 10 10)
0186 . C. ----- Success Verify ? OK / NG ____
0187 C.
0188 C.
0189 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0190 C.
0191 +. DC 07-F0 MDP_XRT_MODE_OBSV
0192 BC (c2)
0193 +. TI 2008-11-08 10:05:02.0

```

```
0194 DC 07-F0 MDP_XRT_MODE_OBSV
0195 BC (c2)
0196 . C. ----- Success Verify ? OK / NG ____
0197 C.
0198 C. ***** XRT END *****
0199 C.
0200 . C. ***** MDP `úÃîñî»ò¼ŷñÊÃĐñ¹ñèDCBC•x²è *****
0201 C. (¼á°îŷÓŷÃŷÈŷŲŷËŷáŷçŷèñÊ¼ñ¼Ã»Ûñ¹ñè)
0202 . S. DC-BC dcbc-402:DCBC
0203 (MDP_known_event)
0204 C.
0205 C.
0206 . C. ***** ŷĐŷ¹•İ Daily±¿İññÊ´Øñ¹ñèDCBC•x²è *****
0207 . S. DC-BC dcbc-153:DCBC
0208 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0209 C.
0210 C.
0211 . C. ;ãLOSŷÁŷŲŷÃŷ¬¼Ã»Û¿ä
0212 C.
0213 . C. ***** LOS *****
0214 C.
```

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

2008/11/08	10:16:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02	00	00	00	00
2008/11/08	11:00:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/08	11:00:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/11/08	11:00:22.0	XRT_QT_PROG_SET_434_OG [0x1b2]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	0f		
2008/11/08	11:02:00.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0		d0			
2008/11/08	11:02:02.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2008/11/08	11:02:04.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0		d9			
2008/11/08	11:02:06.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2008/11/08	11:02:08.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/08	14:26:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/08	14:29:00.0	XRT_Custom_430_OG [0x1ae]							
2008/11/08	14:30:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/08	15:27:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/08	15:27:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/11/08	15:28:16.0	XRT_QT_PROG_SET_413_OG [0x19d]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	04		
2008/11/08	15:29:54.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0		d0			
2008/11/08	15:29:56.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2008/11/08	15:29:58.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0		d9			
2008/11/08	15:30:00.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2008/11/08	15:30:02.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/08	15:57:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/08	16:21:00.0	XRT_Custom_430_OG [0x1ae]							
2008/11/08	16:22:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/08	17:32:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/08	17:58:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/08	17:58:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2008/11/08	17:59:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00
2008/11/08	17:59:16.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	13		
2008/11/08	17:59:18.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0		d9			
2008/11/08	17:59:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2008/11/08	17:59:22.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2008/11/08	18:01:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/08	18:08:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/08	18:08:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/11/08	18:09:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	36	35	c0	00
2008/11/08	18:09:16.0	XRT_QT_PROG_SET_433_OG [0x1b1]							
		MDP_XRT_QT_PROG_SET	2	07-F0		c4	0e		
2008/11/08	18:10:54.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0		d5			
2008/11/08	18:10:56.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0		d9			
2008/11/08	18:10:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2008/11/08	18:11:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/08	19:11:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/08	19:34:30.0	XRT_Custom_430_OG [0x1ae]							
2008/11/08	19:35:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/08	20:48:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/08	21:12:00.0	XRT_Custom_430_OG [0x1ae]							
2008/11/08	21:13:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/08	22:26:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/08	22:48:00.0	XRT_Custom_430_OG [0x1ae]							

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2008/11/08	22:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/09	00:03:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/09	00:14:00.0	XRT_Custom_430_OG [0x1ae]							
2008/11/09	00:15:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/09	01:29:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/09	01:46:30.0	XRT_Custom_430_OG [0x1ae]							
2008/11/09	01:47:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/09	03:02:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/09	03:23:00.0	XRT_Custom_430_OG [0x1ae]							
2008/11/09	03:24:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/09	04:31:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/09	05:00:30.0	XRT_Custom_430_OG [0x1ae]							
2008/11/09	05:01:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/09	05:09:54.0	XRT_CTRL_MANU_406_OG [0x196]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/09	05:10:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 d1 07 d1 07				
2008/11/09	05:12:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/11/09	05:12:52.0	XRT_QT_PROG_SET_446_OG [0x1be]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01				
2008/11/09	05:12:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/11/09	05:12:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/11/09	05:12:58.0	XRT_ARS_DIS_408_OG [0x198]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/11/09	05:13:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/09	05:17:54.0	XRT_CTRL_MANU_406_OG [0x196]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/09	05:18:00.0	AOCS_ORe-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00 d0 21 d0 ee				
2008/11/09	05:20:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/11/09	05:20:52.0	XRT_QT_PROG_SET_446_OG [0x1be]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01				
2008/11/09	05:20:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/11/09	05:20:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/11/09	05:20:58.0	XRT_ARS_DIS_408_OG [0x198]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/11/09	05:21:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/09	05:25:54.0	XRT_CTRL_MANU_406_OG [0x196]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/09	05:26:00.0	AOCS_ORe-point_Start_6_OG [0x09c]							
		AOCU_NM	5	02-76	00 d3 7d d0 d5				
2008/11/09	05:28:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/11/09	05:28:52.0	XRT_QT_PROG_SET_446_OG [0x1be]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01				
2008/11/09	05:28:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/11/09	05:28:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/11/09	05:28:58.0	XRT_ARS_DIS_408_OG [0x198]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/11/09	05:29:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/09	05:44:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/09	05:44:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/11/09	05:44:30.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2008/11/09	05:44:46.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2008/11/09	05:44:48.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/11/09	05:44:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/11/09	05:44:52.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/11/09	05:46:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/09	05:49:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/09	05:49:02.0	XRT_QT_PROG_SET_438_OG [0x1b6]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2008/11/09	05:49:04.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/09	05:54:30.0	AOCS_ORe-point_Start_1_OG [0x097]							



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2008/11/09	12:00:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	AOCU_NM	5	02-76	02	00	00	00	00
		MDP_XRT_CTRL_MANU		1	07-F0		c1			
2008/11/09	12:00:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/11/09	12:00:22.0	XRT_QT_PROG_SET_434_OG [0x1b2]	MDP_XRT_QT_PROG_SET	2	07-F0		c4		0f	
2008/11/09	12:02:00.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0		d0			
2008/11/09	12:02:02.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2008/11/09	12:02:04.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0		d9			
2008/11/09	12:02:06.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2008/11/09	12:02:08.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/09	15:08:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/09	15:08:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/11/09	15:09:16.0	XRT_QT_PROG_SET_413_OG [0x19d]	MDP_XRT_QT_PROG_SET	2	07-F0		c4		04	
2008/11/09	15:10:54.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0		d0			
2008/11/09	15:10:56.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2008/11/09	15:10:58.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0		d9			
2008/11/09	15:11:00.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2008/11/09	15:11:02.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/09	16:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/09	16:57:30.0	XRT_Custom_430_OG [0x1ae]								
2008/11/09	16:58:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/09	17:47:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/09	17:47:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2008/11/09	17:47:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00	00
2008/11/09	17:47:46.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0		c4		13	
2008/11/09	17:47:48.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0		d9			
2008/11/09	17:47:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2008/11/09	17:47:52.0	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2008/11/09	17:49:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/09	17:57:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/09	17:57:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/11/09	17:57:30.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	36	35	c0	00
2008/11/09	17:57:46.0	XRT_QT_PROG_SET_433_OG [0x1b1]	MDP_XRT_QT_PROG_SET	2	07-F0		c4		0e	
2008/11/09	17:59:24.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2008/11/09	17:59:26.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0		d9			
2008/11/09	17:59:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2008/11/09	17:59:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/09	18:11:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/09	18:34:30.0	XRT_Custom_430_OG [0x1ae]								
2008/11/09	18:35:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/09	19:48:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/09	20:11:30.0	XRT_Custom_430_OG [0x1ae]								
2008/11/09	20:12:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/09	21:25:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/09	21:48:30.0	XRT_Custom_430_OG [0x1ae]								
2008/11/09	21:49:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/09	23:03:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/09	23:23:30.0	XRT_Custom_430_OG [0x1ae]								
2008/11/09	23:24:30.5	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2008/11/10	00:40:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2008/11/10	00:48:00.0	XRT_Custom_430_OG [0x1ae]								

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2008/11/10	00:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/10	02:04:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	02:23:00.0	XRT_Custom_430_OG [0x1ae]							
2008/11/10	02:24:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/10	03:39:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	04:00:00.0	XRT_Custom_430_OG [0x1ae]							
2008/11/10	04:01:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/10	05:09:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	05:37:30.0	XRT_Custom_430_OG [0x1ae]							
2008/11/10	05:38:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/10	05:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	05:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/11/10	06:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2008/11/10	06:00:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2008/11/10	06:00:18.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/11/10	06:00:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/11/10	06:00:22.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/11/10	06:02:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/10	06:10:00.0	AOCS_Ore-point_Start_7_OG [0x09d]							
		AOCU_NM	5	02-76	03 00 00 00 00				
2008/11/10	07:25:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	07:25:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2008/11/10	07:25:22.0	XRT_QT_PROG_SET_402_OG [0x192]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2008/11/10	07:27:00.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/11/10	07:27:02.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/11/10	07:27:04.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/11/10	07:27:06.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/10	08:30:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	14:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	14:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2008/11/10	15:00:00.0	AOCS_Ore-point_Start_8_OG [0x09e]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2008/11/10	15:00:16.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b				
2008/11/10	15:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/11/10	15:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/11/10	15:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/11/10	15:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/10	15:35:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	15:48:30.0	XRT_Custom_430_OG [0x1ae]							
2008/11/10	15:49:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/10	15:53:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	15:57:30.0	XRT_Custom_430_OG [0x1ae]							
2008/11/10	15:58:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/10	17:11:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	17:34:30.0	XRT_Custom_430_OG [0x1ae]							
2008/11/10	17:35:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/11/10	18:05:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/11/10	18:05:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/11/10	18:05:30.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2008/11/10	18:05:46.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13				
2008/11/10	18:05:48.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/11/10	18:05:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							

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2008/11/10	18:05:52.0	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
			MDP_XRT_ARS_DIS	1	07-F0	d5
2008/11/10	18:07:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/11/10	18:15:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 00 00 00 00
2008/11/10	19:15:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/11/10	19:15:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2008/11/10	19:15:22.0	XRT_QT_PROG_SET_434_OG [0x1b2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2008/11/10	19:17:00.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0
2008/11/10	19:17:02.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2008/11/10	19:17:04.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9
2008/11/10	19:17:06.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2008/11/10	19:17:08.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/11/10	20:25:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/11/10	20:48:30.0	XRT_Custom_430_OG [0x1ae]				
2008/11/10	20:49:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/11/10	22:02:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/11/10	22:25:00.0	XRT_Custom_430_OG [0x1ae]				
2008/11/10	22:26:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/11/10	23:40:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/11/10	23:54:30.0	XRT_Custom_430_OG [0x1ae]				
2008/11/10	23:55:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/11/11	01:11:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/11/11	01:23:30.0	XRT_Custom_430_OG [0x1ae]				
2008/11/11	01:24:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/11/11	02:39:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/11/11	03:00:00.0	XRT_Custom_430_OG [0x1ae]				
2008/11/11	03:01:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/11/11	04:07:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/11/11	04:37:00.0	XRT_Custom_430_OG [0x1ae]				
2008/11/11	04:38:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/11/11	05:47:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/11/11	06:14:30.0	XRT_Custom_430_OG [0x1ae]				
2008/11/11	06:15:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/11/11	06:24:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/11/11	06:24:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2008/11/11	06:24:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2008/11/11	06:24:46.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10
2008/11/11	06:24:48.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9
2008/11/11	06:24:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2008/11/11	06:24:52.0	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5
2008/11/11	06:26:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/11/11	06:34:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 00 00 00 00
2008/11/11	09:44:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00