

# XRT Timeline to be uploaded on 2010/12/18

Period: 2010/12/18 10:44:00 - 2010/12/23 10:33:00

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**Normal mode**

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## XOB #17B9: Synoptic Q95 2x2 - Al/mesh(16/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(33/2048) + G-band(16)

Term	Pointing (x, y)	Comment
12/18 18:06:00 - 12/18 18:12:54	Fixed ( 0.0, 0.0)	synoptic, shifted 3.0 min
12/19 02:58:00 - 12/19 03:04:54	Fixed ( 0.0, 0.0)	synoptic, shifted.
12/19 17:55:30 - 12/19 18:02:24	Fixed ( 0.0, 0.0)	synoptic, shifted -7.5 min
12/20 03:03:00 - 12/20 03:09:54	Fixed ( 0.0, 0.0)	synoptic
12/20 17:59:30 - 12/20 18:06:24	Fixed ( 0.0, 0.0)	synoptic, shifted -3.5 min
12/21 06:32:30 - 12/21 07:33:30	Fixed ( 0.0, 0.0)	synoptic, shifted 29.5 min

**PROG= 03 1-time(s)**

- └─ **Subr= 1 1-time(s) 12.0sec**
  - └─ **Seqn= 7 1-time(s) 4.0sec**
    - └─ Open/Al-mesh Open/Al-mesh close Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - └─ Open/Al-mesh Open/Al-mesh close Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
  - └─ **Seqn= 5 1-time(s) 2.0sec**
    - └─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - └─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - └─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - └─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec
    - └─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec
  - └─ **Seqn= 8 1-time(s) 4.0sec**
    - └─ Open/Ti-poly Open/Ti-poly close Safe Norm 32ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - └─ Open/Ti-poly Open/Ti-poly close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
  - └─ **Seqn= 4 1-time(s) 2.0sec**
    - └─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

## XOB #1839: AR Standard-B(Morphology) with PFB, FW1=Open, Ti/Poly, 384x384 at 1064 1048, 120sec-cad

Term	Pointing (x, y)	Comment
12/18 18:16:00 - 12/19 02:54:54	Track ( 62.8, 357.8) <sup>@ 12/18 18:13:00</sup>	# Observe AR 11135. HOP-173 starts from 2UT.
12/19 18:05:30 - 12/20 02:59:54	Track ( 267.0, 358.8) <sup>@ 12/19 18:02:30</sup>	# AR 11135, HOP-173 starts form 2UT.
12/20 07:33:00 - 12/20 17:56:24	Track ( 376.9, 358.7) <sup>@ 12/20 07:30:00</sup>	# AR 11135.
12/20 18:09:30 - 12/21 06:29:24	Track ( 459.3, 358.3) <sup>@ 12/20 18:06:30</sup>	# AR 11135.

**PROG= 07 Inf.-time(s)**

- └─ **Subr= 2 1-time(s) 2.0sec**
  - └─ **Seqn= 19 1-time(s) 2.0sec**
    - └─ Open/Ti-poly Open/thick-Al close Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
    - └─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
  - └─ **Seqn= 95 4-time(s) 2.0sec**
    - └─ Open/Al-mesh Open/Ti-poly close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
    - └─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
    - └─ Open/thick-Al Open/thick-Al close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
- └─ **Subr= 1 1-time(s) 2.0sec**
  - └─ **Seqn= 52 35-time(s) 120.0sec**
    - └─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 30.0sec
    - └─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 1 30.0sec
    - └─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 2 30.0sec
    - └─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 3 30.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

## XOB #180E: HOP173 prominence Al/mesh, Ti/poly, G-band-DPCM 1x1-512x512-FOV -AEC2-5min cadence

Term	Pointing (x, y)	Comment
12/19 03:29:00 - 12/19 04:37:00	Fixed ( -820.0, 500.0)	# Prominence Observation for HOP-173.
12/20 03:13:00 - 12/20 04:59:54	Track ( -29.9, -755.1) <sup>@ 12/20 03:10:00</sup>	# HOP-173 filament observation.

**PROG= 11 Inf.-time(s)**

- └─ **Subr= 2 1-time(s) 2.0sec**
  - └─ **Seqn= 57 1-time(s) 2.0sec**
    - └─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec
- └─ **Subr= 1 12-time(s) 300.0sec**
  - └─ **Seqn= 68 1-time(s) 2.0sec**
    - └─ Open/Al-mesh Open/Ti-poly close Safe Norm 4.00s Obs 1x1 512x512 (1024, 1024) DPCM 2 0 2.0sec
  - └─ **Seqn= 34 1-time(s) 2.0sec**
    - └─ Open/Ti-poly Open/thick-Al close Safe Norm 16.0s Obs 1x1 512x512 (1024, 1024) DPCM 2 0 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

## XOB #182B: AR Standard-B(Morphology) with PFB, FW1=Open, Ti/Poly, 384x384 at 1064 1048, 30sec-cad

Term	Pointing (x, y)	Comment
12/19 05:06:30 - 12/19 17:52:24	Track ( 156.2, 358.5) <sup>@ 12/19 05:00:00</sup>	# Return to AR 11135.

**PROG= 06 Inf.-time(s)**

- └─ **Subr= 2 1-time(s) 2.0sec**
  - └─ **Seqn= 19 1-time(s) 2.0sec**
    - └─ Open/Ti-poly Open/thick-Al close Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec

Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
<b>Seqn= 95 4-time(s) 2.0sec</b>												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
Open/thick-Al	Open/thick-Be	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
<b>Subr= 1 1-time(s) 2.0sec</b>												
<b>Seqn= 18 45-time(s) 30.0sec</b>												
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	6.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	6.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	6.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	3	6.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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### Flare mode

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#### XOB #1828: Flare Standard Obs. with eruptions mode-A (FW1=Open)

Term	Pointing (x, y)	Comment
12/18 18:16:00 - 12/19 02:54:54	Track ( 62.8, 357.8) <sup>Ⓢ 12/18 18:13:00</sup>	# Observe AR 11135. HOP-173 starts from 2UT.
12/19 03:29:00 - 12/19 04:37:00	Fixed ( -820.0, 500.0)	# Prominence Observation for HOP-173.
12/19 05:06:30 - 12/19 17:52:24	Track ( 156.2, 358.5) <sup>Ⓢ 12/19 05:00:00</sup>	# Return to AR 11135.
12/19 18:05:30 - 12/20 02:59:54	Track ( 267.0, 358.8) <sup>Ⓢ 12/19 18:02:30</sup>	# AR 11135, HOP-173 starts from 2UT.
12/20 03:13:00 - 12/20 04:59:54	Track ( -29.9, -755.1) <sup>Ⓢ 12/20 03:10:00</sup>	# HOP-173 filament observation.
12/20 07:33:00 - 12/20 17:56:24	Track ( 376.9, 358.7) <sup>Ⓢ 12/20 07:30:00</sup>	# AR 11135.
12/20 18:09:30 - 12/21 06:29:24	Track ( 459.3, 358.3) <sup>Ⓢ 12/20 18:06:30</sup>	# AR 11135.

#### PROG= 16 1-time(s)

<b>Subr= 1 30-time(s) 20.0sec</b>												
<b>Seqn= 87 1-time(s) 2.0sec</b>												
Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
<b>Seqn= 60 1-time(s) 2.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>												
<b>Seqn= 90 1-time(s) 2.0sec</b>												
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
<b>Subr= 3 30-time(s) 60.0sec</b>												
<b>Seqn= 87 1-time(s) 2.0sec</b>												
Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
<b>Seqn= 88 1-time(s) 2.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>												
<b>Seqn= 90 1-time(s) 2.0sec</b>												
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
<b>Subr= 3 30-time(s) 60.0sec</b>												
<b>Seqn= 87 1-time(s) 2.0sec</b>												
Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
<b>Seqn= 88 1-time(s) 2.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>												
<b>Seqn= 90 1-time(s) 2.0sec</b>												
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
<b>Subr= 3 30-time(s) 60.0sec</b>												
<b>Seqn= 87 1-time(s) 2.0sec</b>												
Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
<b>Seqn= 88 1-time(s) 2.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Subr= 4 24-time(s) 600.0sec</b>												
<b>Seqn= 89 1-time(s) 2.0sec</b>												
Open/Al-mesh	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec
Open/Ti-poly	Open/thick-Be	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	1.00s	Obs	1x1	384x384 (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	

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### Active Region Search

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NOT USED

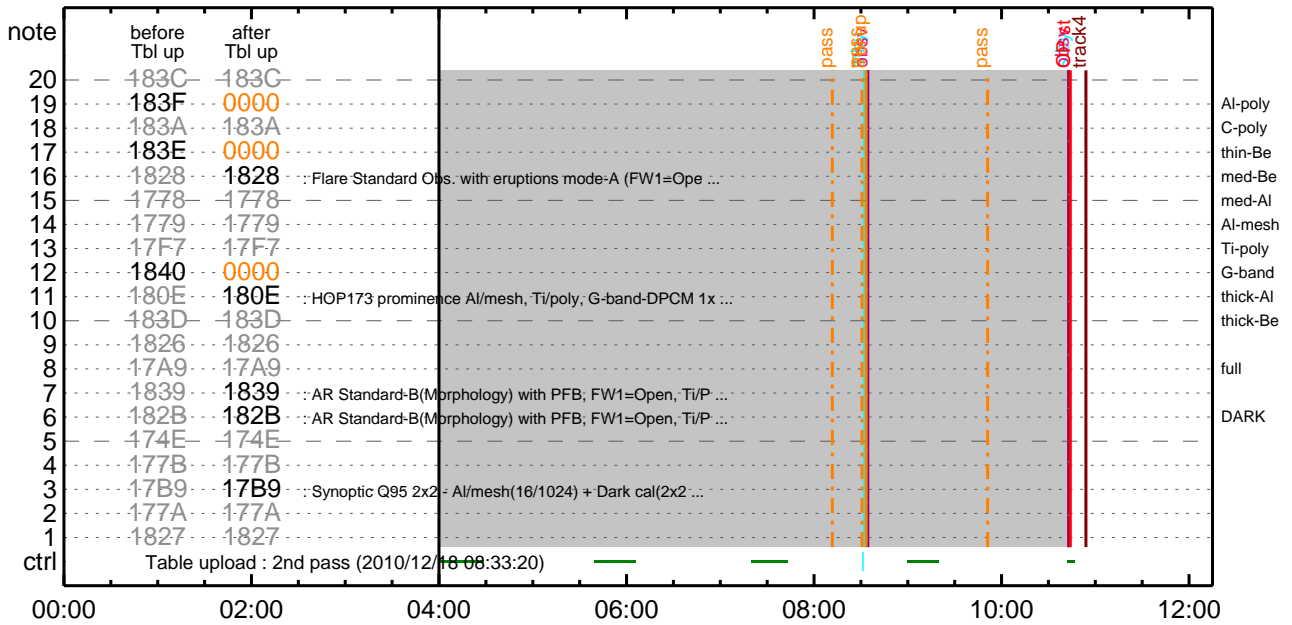
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### Flare Detection

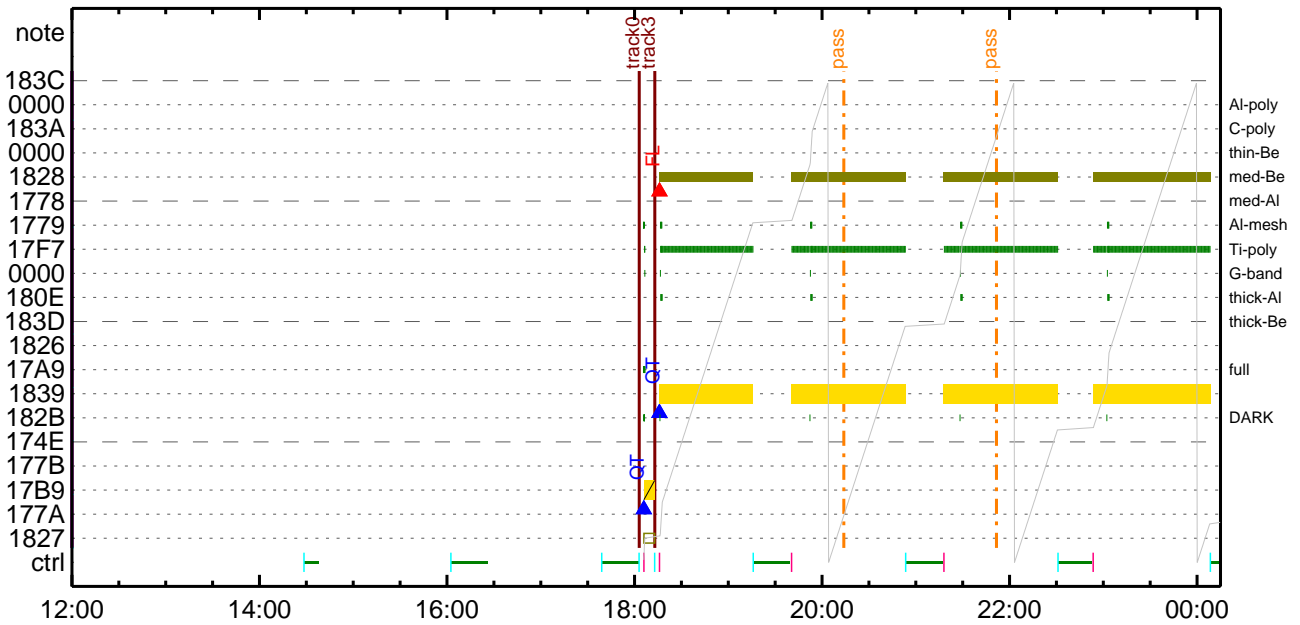
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FLD Patrol												
Term		Pointing (x, y)						Comment				
12/18 18:13:16 - 12/19 02:55:16	Track ( 62.8, 357.8)	① 12/18 18:13:00				# Observe AR 11135. HOP-173 starts from 2UT.						
12/19 03:05:16 - 12/19 17:52:46	Fixed ( -820.0, 500.0)	# Prominence Observation for HOP-173.										
12/19 18:02:46 - 12/20 03:00:16	Track ( 267.0, 358.8)	② 12/19 18:02:30				# AR 11135, HOP-173 starts form 2UT.						
12/20 03:10:16 - 12/20 17:56:46	Track ( -29.9, -755.1)	③ 12/20 03:10:00				# HOP-173 filament observation.						
12/20 18:06:46 - 12/21 06:29:46	Track ( 459.3, 358.3)	④ 12/20 18:06:30				# AR 11135.						
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8ms	Obs	8x8	Q=50		30sec		
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer Interval	

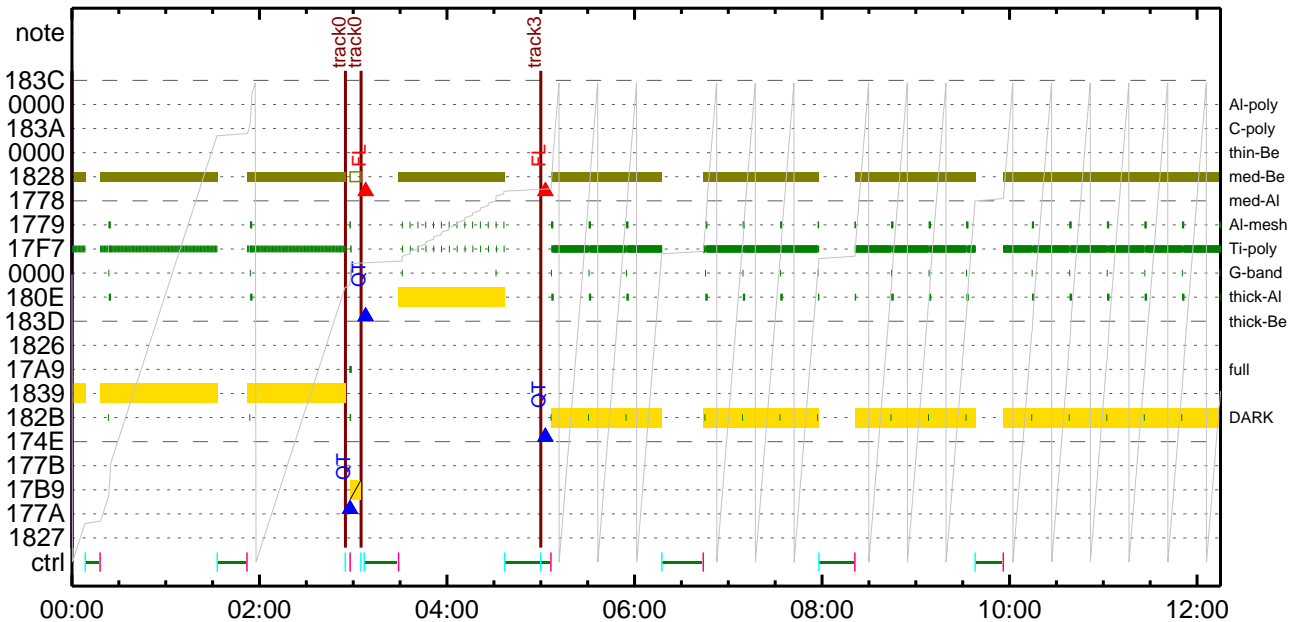
### CMDI #0674 2010/12/18



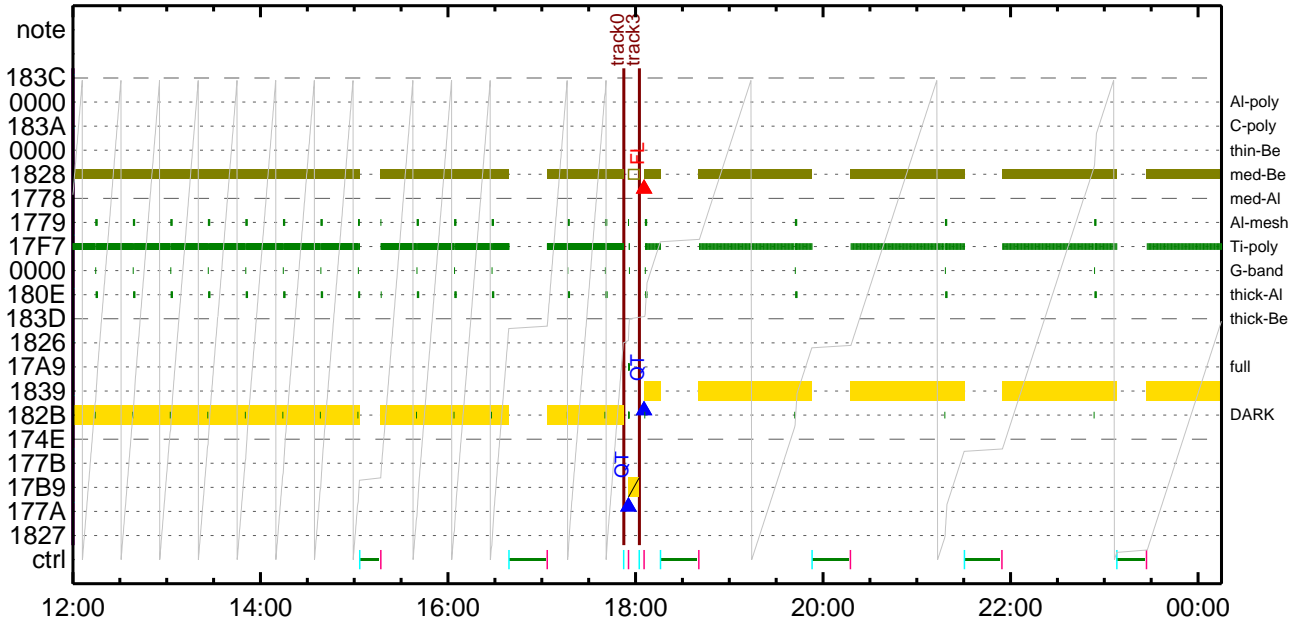
### CMDI #0674 2010/12/18



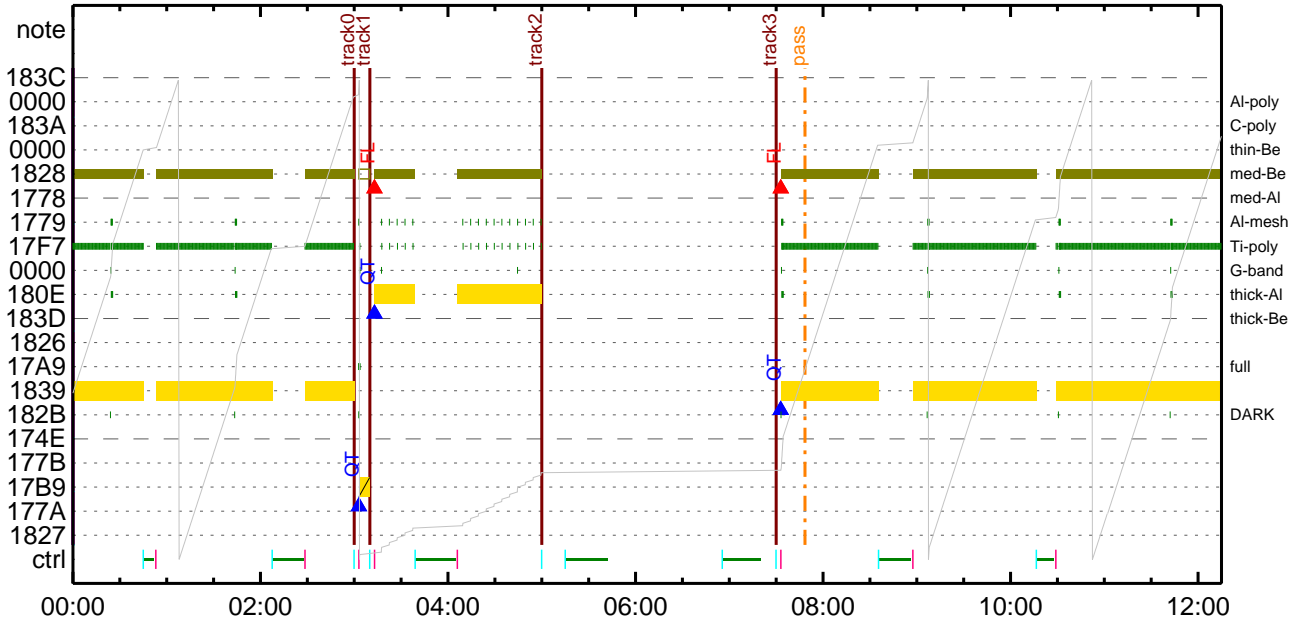
### CMDI #0674 2010/12/19



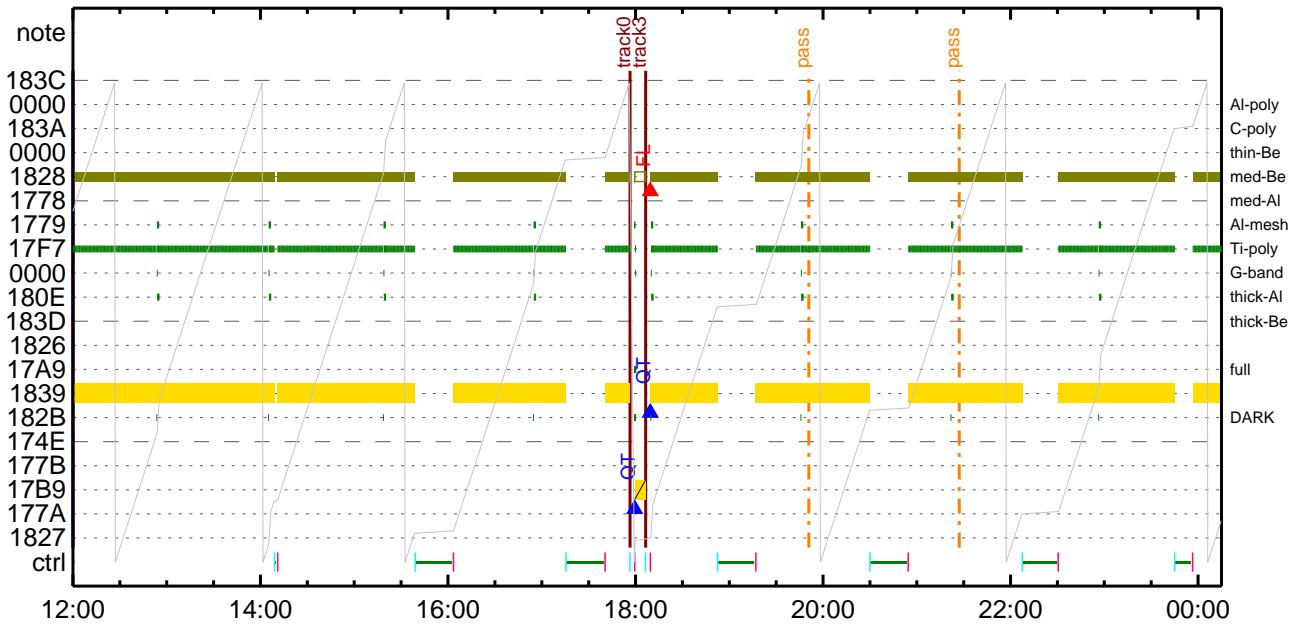
CMDI #0674 2010/12/19



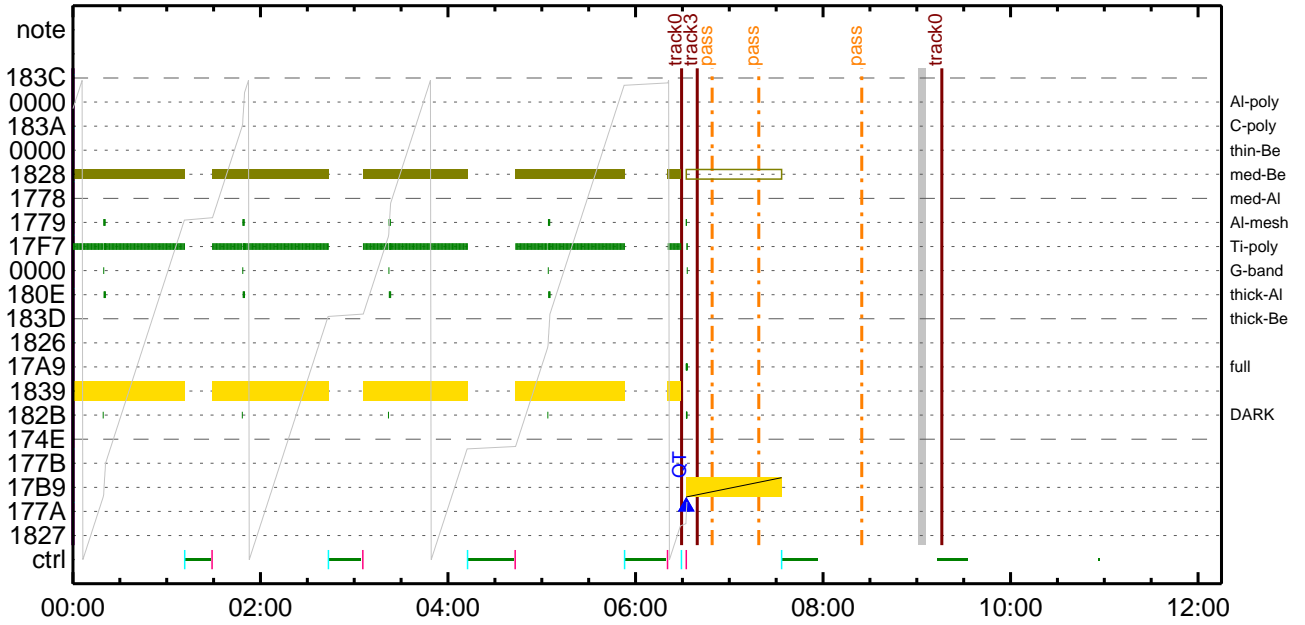
CMDI #0674 2010/12/20



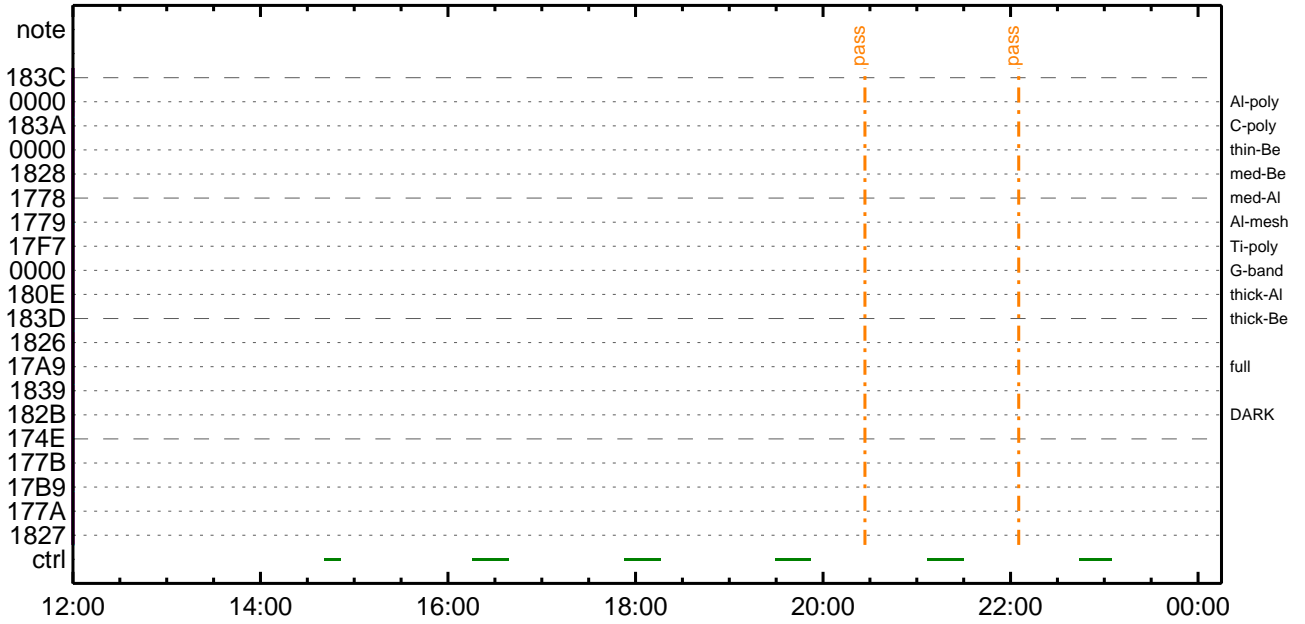
CMDI #0674 2010/12/20



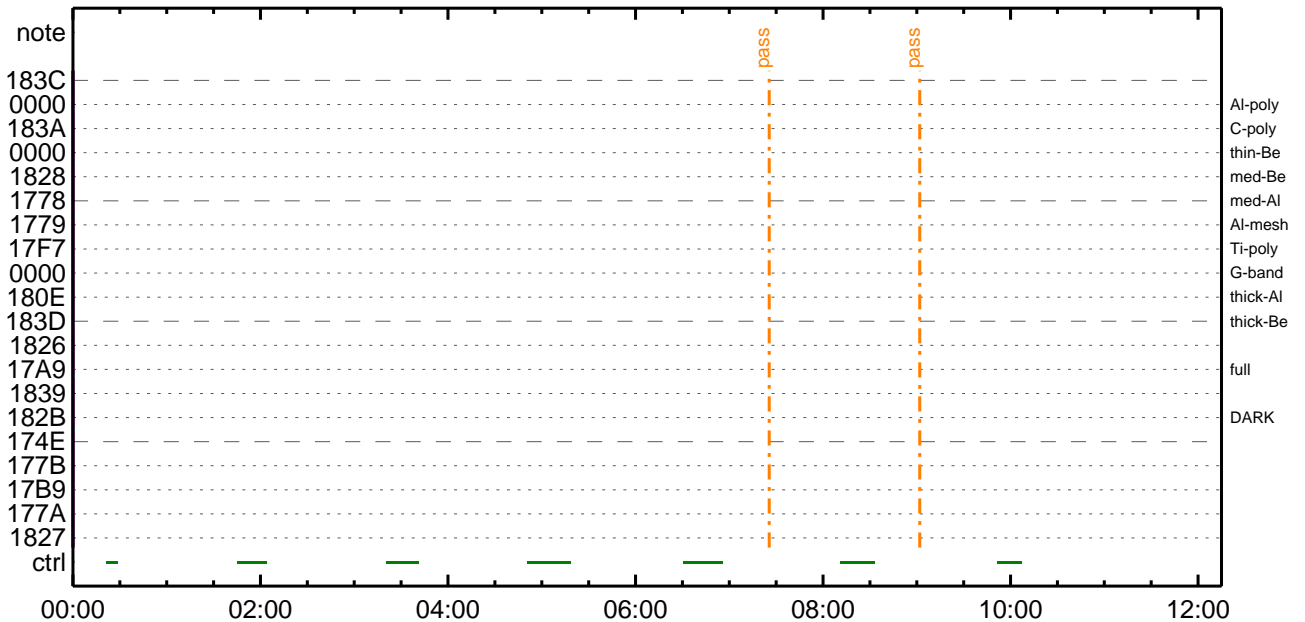
CMDI #0674 2010/12/21



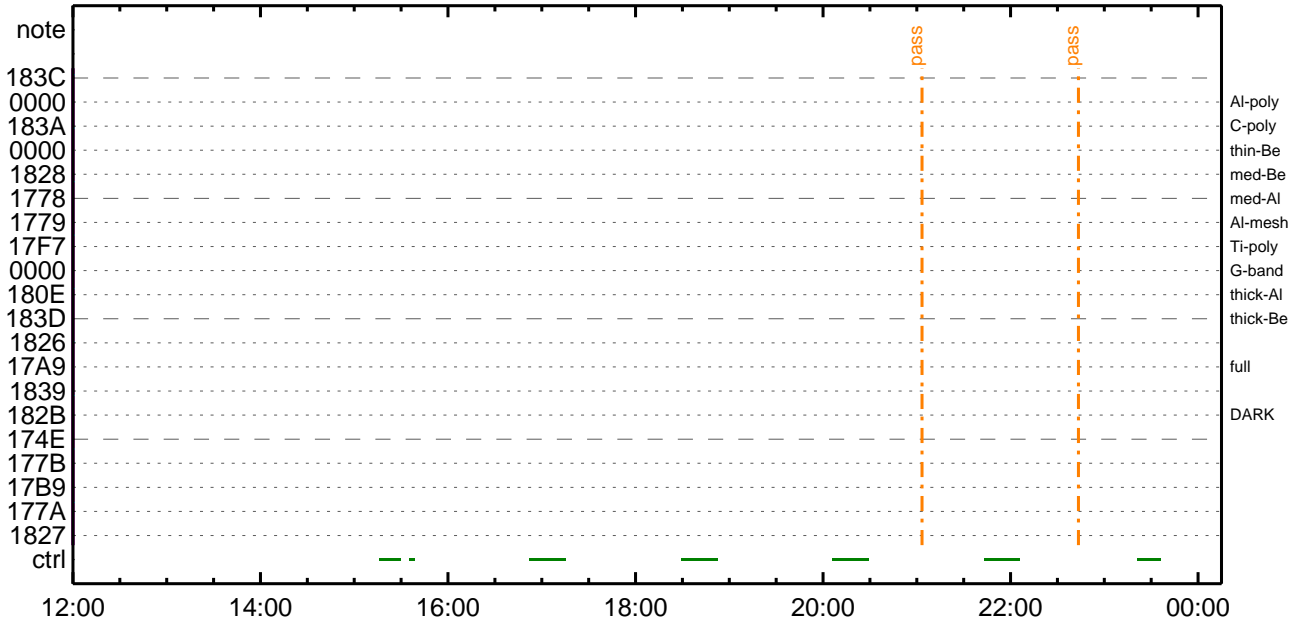
CMDI #0674 2010/12/21



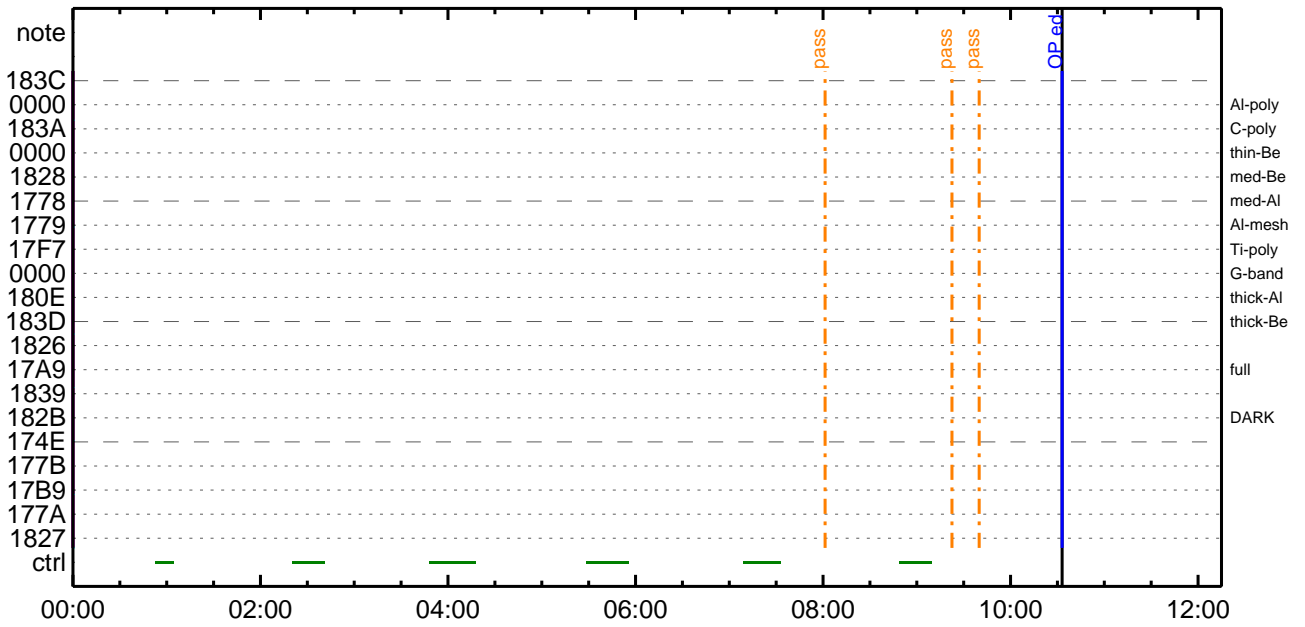
CMDI #0674 2010/12/22



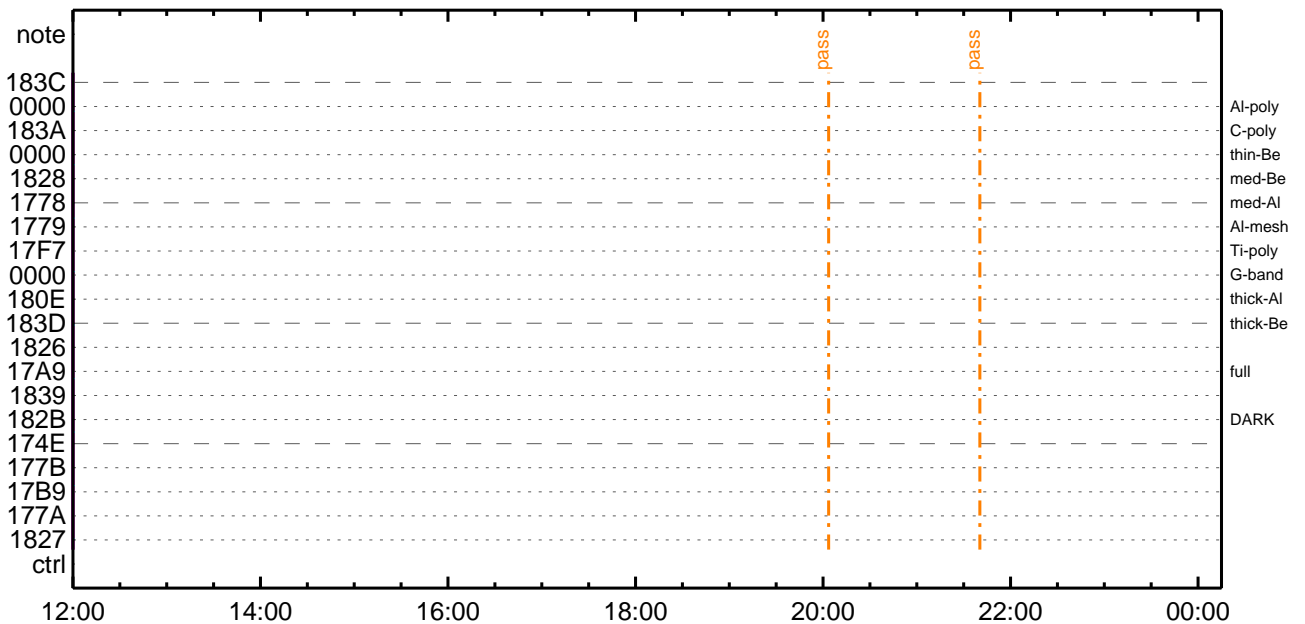
CMDI #0674 2010/12/22



CMDI #0674 2010/12/23



CMDI #0674 2010/12/23







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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;Y4E;YAY6Yx
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;Y4E;ã
0103 S. OP op-775:OP
0104 ( )
0105 S. OG og-775:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAY6Yx;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAY6Yx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½Ê¹ç•è²îOKò³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAY6Yx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½Ê¹ç•è²îOKò³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAY6Yx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½Ê¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °Ê²¼òî½Ã´¶Á°òÊÊ¬ò°Á÷¿® (½âµ-YAY6Yx½ê½çòðÁÔÃæç½ª°¬²è½î¹çççâ) *****
0167 C. DHUYâ;Y4E;Ê½Y½;Y1;Y4E;Êòðîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOAD²-Á÷¿®NG²î½î¹ç;ç°Ê²¼òîTI-CMDÁ÷¿®²î½î¹ç°²è²¼²ò³;f
0180 C. çç[HK1_PKT_FORM_NO] EQ 2
0181 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0182 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0183 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2010-12-18 10:39:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2010-12-18 10:39:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

```



(a) Spacecraft Operation Procedure (real-commands)

```
main-776 2010-12-18 12:28:45 137 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Ü;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¿øÅø•µ°È»Í×ÁÇøÍYçYÁY×Yí;¼YÉ;ÈÈè¼µ•íÉ;ÈøÈ¼°ÇÒø•ø¿¼l¹çøí;çÁ®, ùø¹øÈøøøøÇÁ+¿®ø•øÈøøøøøøøøÈ;f
0011 +. DC 02-8E AOCS_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 AOCS_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STs1>[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 AOCS_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 18s
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 2010-12-18 10:43:50.0
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. ***** XRT START *****
0069 C.
0070 +. DC 07-F0 MDP_XRT_CTRL_MANU
0071 BC (c1)
0072 +. DC 07-F0 MDP_XRT_MODE_STBY
0073 BC (c3)
0074 . C. ----- Success Verify ? OK / NG____
0075 C.
0076 C. XRT Obs. Table Upload
0077 . S. RAM ram-291:MDP_OBS_X
0078 ( )
0079 C.
0080 +. DC 07-F0 MDP_DUMP_XRTTBL
0081 BC (84 07 00 00 00 3a d4)
0082 . C. ----- Comparison Check ? OK / ERR ____
0083 C.
0084 C.
0085 +. DC 07-F0 MDP_XRT_ROI_SET
0086 BC (cd 01 b1 b1 04 04)
0087 +. DC 07-F0 MDP_XRT_ROI_SET
0088 BC (cd 02 b1 b1 08 08)
0089 +. DC 07-F0 MDP_XRT_ROI_SET
0090 BC (cd 03 b1 b1 08 08)
0091 +. DC 07-F0 MDP_XRT_ROI_SET
0092 BC (cd 04 b1 b1 06 06)
0093 +. DC 07-F0 MDP_XRT_ROI_SET
0094 BC (cd 05 85 83 06 06)
0095 +. DC 07-F0 MDP_XRT_ROI_SET
```

```
0096 BC (cd 06 80 80 20 20)
0097 + DC 07-F0 MDP_XRT_ROI_SET
0098 BC (cd 07 80 80 20 08)
0099 + DC 07-F0 MDP_XRT_ROI_SET
0100 BC (cd 08 80 80 08 20)
0101 + DC 07-F0 MDP_XRT_ROI_SET
0102 BC (cd 09 85 83 06 06)
0103 + DC 07-F0 MDP_XRT_ROI_SET
0104 BC (cd 0a 80 80 08 08)
0105 + DC 07-F0 MDP_XRT_ROI_SET
0106 BC (cd 0f 80 80 06 06)
0107 + DC 07-F0 MDP_XRT_ROI_SET
0108 BC (cd 10 80 80 08 08)
0109 . C. ----- Success Verify ? OK / NG ____
0110 C.
0111 C.
0112 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0113 C.
0114 +. DC 07-F0 MDP_XRT_MODE_OBSV
0115 BC (c2)
0116 +. TI 2010-12-18 10:43:02.0
0117 DC 07-F0 MDP_XRT_MODE_OBSV
0118 BC (c2)
0119 . C. ----- Success Verify ? OK / NG ____
0120 C.
0121 C. ***** XRT END *****
0122 C.
0123 . C. ***** MDP `úÃîñî»ö%ÝðÊÃð¹ñèDCBC•x²è *****
0124 C. (%Á°îÝÓÝÃÝÈÝÞÝËÝáÝçÝèñÊ¼ññ¼Ã»Ûñ¹ñè)
0125 . S. DC-BC dcbc-402:DCBC
0126 (MDP_known_event)
0127 C.
0128 C.
0129 . C. ***** ¥ÐÝ¹•Ï Daily±¿îññè´Øñ¹ñèDCBC•x²è *****
0130 . S. DC-BC dcbc-153:DCBC
0131 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0132 C.
0133 C.
0134 . C. ¡ãLOS¥Á¥$¥Ã¥¬¼Ã»Û;ã
0135 C.
0136 . C. ***** LOS *****
0137 C.
```





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

```

2010/12/18 10:54:00.0 AOCS_Ore-point_Start_1_OG [0x097]
                        AOCU_NM                    5 02-76 04 00 00 00 00
2010/12/18 14:28:30.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2010/12/18 14:28:32.0 XRT_FLD_RESET_412_OG [0x19c]
                        MDP_XRT_FLD_RESET         1 07-F0 da
2010/12/18 14:28:34.0 XRT_PREFLR_STRT_422_OG [0x1a6]
                        MDP_XRT_PREFLR_STRT       1 07-F0 e8
2010/12/18 14:31:44.0 XRT_PREFLR_STOP_424_OG [0x1a8]
                        MDP_XRT_PREFLR_STOP       1 07-F0 e9
2010/12/18 16:02:30.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2010/12/18 16:02:32.0 XRT_FLD_RESET_412_OG [0x19c]
                        MDP_XRT_FLD_RESET         1 07-F0 da
2010/12/18 16:02:34.0 XRT_PREFLR_STRT_422_OG [0x1a6]
                        MDP_XRT_PREFLR_STRT       1 07-F0 e8
2010/12/18 16:05:44.0 XRT_PREFLR_STOP_424_OG [0x1a8]
                        MDP_XRT_PREFLR_STOP       1 07-F0 e9
2010/12/18 17:39:00.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2010/12/18 17:39:02.0 XRT_FLD_RESET_412_OG [0x19c]
                        MDP_XRT_FLD_RESET         1 07-F0 da
2010/12/18 17:39:04.0 XRT_PREFLR_STRT_422_OG [0x1a6]
                        MDP_XRT_PREFLR_STRT       1 07-F0 e8
2010/12/18 17:42:14.0 XRT_PREFLR_STOP_424_OG [0x1a8]
                        MDP_XRT_PREFLR_STOP       1 07-F0 e9
2010/12/18 18:02:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2010/12/18 18:02:56.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION        4 07-F8 22 ff aa 00
2010/12/18 18:03:00.0 AOCS_Ore-point_Start_2_OG [0x098]
                        AOCU_NM                    5 02-76 00 00 00 00 00
2010/12/18 18:03:16.0 XRT_FLD_DIS_402_OG [0x192]
                        MDP_XRT_FLD_DIS           1 07-F0 d9
2010/12/18 18:03:18.0 XRT_FLRCTRL_DIS_433_OG [0x1b1]
                        MDP_XRT_FLRCTRL_DIS       1 07-F0 c9
2010/12/18 18:03:20.0 XRT_ARS_DIS_438_OG [0x1b6]
                        MDP_XRT_ARS_DIS           1 07-F0 d5
2010/12/18 18:05:58.0 XRT_QT_PROG_SET_410_OG [0x19a]
                        MDP_XRT_QT_PROG_SET       2 07-F0 c4 03
2010/12/18 18:06:00.0 XRT_CTRL_AUTO_406_OG [0x196]
                        MDP_XRT_CTRL_AUTO         1 07-F0 c0
2010/12/18 18:12:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2010/12/18 18:12:56.0 XRT_FOCUS_POSITION_409_OG [0x199]
                        XRT_FOCUS_POSITION        4 07-F8 22 fe 97 00
2010/12/18 18:13:00.0 AOCS_Ore-point_Start_3_OG [0x099]
                        AOCU_NM                    5 02-76 03 00 00 00 00
2010/12/18 18:13:16.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA           1 07-F0 d8
2010/12/18 18:13:18.0 XRT_FLRCTRL_ENA_413_OG [0x19d]
                        MDP_XRT_FLRCTRL_ENA       1 07-F0 c8
2010/12/18 18:13:20.0 XRT_ARS_DIS_420_OG [0x1a4]
                        MDP_XRT_ARS_DIS           1 07-F0 d5
2010/12/18 18:15:54.0 XRT_FLD_RESET_412_OG [0x19c]
                        MDP_XRT_FLD_RESET         1 07-F0 da
2010/12/18 18:15:56.0 XRT_QT_PROG_SET_423_OG [0x1a7]
                        MDP_XRT_QT_PROG_SET       2 07-F0 c4 07
2010/12/18 18:15:58.0 XRT_FL_PROG_SET_421_OG [0x1a5]
                        MDP_XRT_FL_PROG_SET       2 07-F0 c5 10
2010/12/18 18:16:00.0 XRT_CTRL_AUTO_406_OG [0x196]
                        MDP_XRT_CTRL_AUTO         1 07-F0 c0
2010/12/18 19:16:00.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2010/12/18 19:16:02.0 XRT_FLD_RESET_412_OG [0x19c]
                        MDP_XRT_FLD_RESET         1 07-F0 da
2010/12/18 19:16:04.0 XRT_PREFLR_STRT_422_OG [0x1a6]
                        MDP_XRT_PREFLR_STRT       1 07-F0 e8
2010/12/18 19:19:14.0 XRT_PREFLR_STOP_424_OG [0x1a8]
                        MDP_XRT_PREFLR_STOP       1 07-F0 e9
2010/12/18 19:39:30.0 XRT_Custom_418_OG [0x1a2]
2010/12/18 19:40:30.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                        MDP_XRT_CTRL_AUTO         1 07-F0 c0
2010/12/18 20:53:30.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2010/12/18 20:53:32.0 XRT_FLD_RESET_412_OG [0x19c]
                        MDP_XRT_FLD_RESET         1 07-F0 da
2010/12/18 20:53:34.0 XRT_PREFLR_STRT_422_OG [0x1a6]
                        MDP_XRT_PREFLR_STRT       1 07-F0 e8
2010/12/18 20:56:44.0 XRT_PREFLR_STOP_424_OG [0x1a8]
                        MDP_XRT_PREFLR_STOP       1 07-F0 e9
2010/12/18 21:17:00.0 XRT_Custom_418_OG [0x1a2]
2010/12/18 21:18:00.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                        MDP_XRT_CTRL_AUTO         1 07-F0 c0
2010/12/18 22:31:00.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2010/12/18 22:31:02.0 XRT_FLD_RESET_412_OG [0x19c]
                        MDP_XRT_FLD_RESET         1 07-F0 da
2010/12/18 22:31:04.0 XRT_PREFLR_STRT_422_OG [0x1a6]
                        MDP_XRT_PREFLR_STRT       1 07-F0 e8
2010/12/18 22:34:14.0 XRT_PREFLR_STOP_424_OG [0x1a8]

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2010/12/18	22:52:30.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2010/12/18	22:53:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
2010/12/19	00:08:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/12/19	00:08:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/12/19	00:08:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da		
2010/12/19	00:11:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2010/12/19	00:17:00.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2010/12/19	00:18:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
2010/12/19	01:33:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/12/19	01:33:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/12/19	01:33:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da		
2010/12/19	01:36:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2010/12/19	01:51:00.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2010/12/19	01:52:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
2010/12/19	02:54:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/12/19	02:54:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/12/19	02:55:00.0	AOCS_ORe-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2010/12/19	02:55:16.0	XRT_FLD_DIS_402_OG [0x192]	AOCU_NM	5	02-76	00 00 00 00 00		
2010/12/19	02:55:18.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2010/12/19	02:55:20.0	XRT_ARS_DIS_438_OG [0x1b6]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2010/12/19	02:57:58.0	XRT_QT_PROG_SET_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/12/19	02:58:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03		
2010/12/19	03:04:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/12/19	03:04:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/12/19	03:05:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2010/12/19	03:05:16.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 d3 8e 48 e5		
2010/12/19	03:05:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2010/12/19	03:05:20.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/12/19	03:07:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/12/19	03:07:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/12/19	03:07:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da		
2010/12/19	03:07:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2010/12/19	03:07:56.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_FLD_RESET	1	07-F0	da		
2010/12/19	03:07:58.0	XRT_FL_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b		
2010/12/19	03:10:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 10		
2010/12/19	03:28:00.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2010/12/19	03:29:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
2010/12/19	04:37:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/12/19	04:37:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/12/19	04:37:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da		
2010/12/19	04:40:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2010/12/19	04:59:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2010/12/19	04:59:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/12/19	05:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2010/12/19	05:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	03 00 00 00 00		
2010/12/19	05:00:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2010/12/19	05:00:20.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/12/19	05:02:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/12/19			MDP_XRT_FLD_RESET	1	07-F0	da		



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2010/12/19	05:02:56.0	XRT_QT_PROG_SET_444_OG [0x1bc]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2010/12/19	05:02:58.0	XRT_FL_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	10			
2010/12/19	05:05:30.0	XRT_Custom_418_OG [0x1a2]							
2010/12/19	05:06:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/19	06:17:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/19	06:17:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/19	06:17:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/19	06:20:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/19	06:43:00.0	XRT_Custom_418_OG [0x1a2]							
2010/12/19	06:44:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/19	07:58:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/19	07:58:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/19	07:58:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/19	08:01:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/19	08:20:00.0	XRT_Custom_418_OG [0x1a2]							
2010/12/19	08:21:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/19	09:38:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/19	09:38:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/19	09:38:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/19	09:41:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/19	09:55:00.0	XRT_Custom_418_OG [0x1a2]							
2010/12/19	09:56:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/19	15:03:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/19	15:03:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/19	15:03:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/19	15:06:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/19	15:16:00.0	XRT_Custom_418_OG [0x1a2]							
2010/12/19	15:17:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/19	16:39:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/19	16:39:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/19	16:39:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/19	16:42:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/19	17:02:30.0	XRT_Custom_418_OG [0x1a2]							
2010/12/19	17:03:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/19	17:52:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/19	17:52:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2010/12/19	17:52:30.0	AOCS_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00
2010/12/19	17:52:46.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/12/19	17:52:48.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/12/19	17:52:50.0	XRT_ARS_DIS_438_OG [0x1b6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/12/19	17:55:28.0	XRT_QT_PROG_SET_410_OG [0x19a]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2010/12/19	17:55:30.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/19	18:02:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/19	18:02:26.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/12/19	18:02:30.0	AOCS_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	03	00	00	00	00
2010/12/19	18:02:46.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/12/19	18:02:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/12/19	18:02:50.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/12/19	18:05:24.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/19	18:05:26.0	XRT_QT_PROG_SET_423_OG [0x1a7]							

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2010/12/19	18:05:28.0	XRT_FL_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	10
2010/12/19	18:05:30.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/12/19	18:16:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/12/19	18:16:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/12/19	18:16:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/12/19	18:19:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/12/19	18:39:30.0	XRT_Custom_418_OG [0x1a2]					
2010/12/19	18:40:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/12/19	19:53:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/12/19	19:53:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/12/19	19:53:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/12/19	19:56:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/12/19	20:16:30.0	XRT_Custom_418_OG [0x1a2]					
2010/12/19	20:17:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/12/19	21:30:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/12/19	21:30:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/12/19	21:30:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/12/19	21:33:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/12/19	21:53:30.0	XRT_Custom_418_OG [0x1a2]					
2010/12/19	21:54:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/12/19	23:08:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/12/19	23:08:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/12/19	23:08:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/12/19	23:11:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/12/19	23:26:00.0	XRT_Custom_418_OG [0x1a2]					
2010/12/19	23:27:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/12/20	00:45:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/12/20	00:45:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/12/20	00:45:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/12/20	00:48:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/12/20	00:52:00.0	XRT_Custom_418_OG [0x1a2]					
2010/12/20	00:53:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/12/20	02:07:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/12/20	02:07:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/12/20	02:07:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/12/20	02:10:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/12/20	02:27:30.0	XRT_Custom_418_OG [0x1a2]					
2010/12/20	02:28:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/12/20	02:59:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/12/20	02:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/12/20	03:00:00.0	AOCS_Orе-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00	00
2010/12/20	03:00:16.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/12/20	03:00:18.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/12/20	03:00:20.0	XRT_ARS_DIS_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/12/20	03:02:58.0	XRT_QT_PROG_SET_410_OG [0x19a]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03
2010/12/20	03:03:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/12/20	03:09:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/12/20	03:09:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2010/12/20	03:10:00.0	AOCS_Orе-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	01 00 00 00	00

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2010/12/20	03:10:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/12/20	03:10:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/12/20	03:10:20.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/12/20	03:12:54.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	03:12:56.0	XRT_QT_PROG_SET_441_OG [0x1b9]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b				
2010/12/20	03:12:58.0	XRT_FL_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 10				
2010/12/20	03:13:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	03:39:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	03:39:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	03:39:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/20	03:42:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/20	04:05:00.0	XRT_Custom_418_OG [0x1a2]							
2010/12/20	04:06:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	04:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	05:00:00.0	AOCS_OrE-point_Start_6_OG [0x09c]							
		AOCU_NM	5	02-76	02 00 00 00 00				
2010/12/20	05:15:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	05:15:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	05:15:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/20	05:18:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/20	06:55:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	06:55:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	06:55:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/20	06:58:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/20	07:29:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	07:29:56.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/12/20	07:30:00.0	AOCS_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	03 00 00 00 00				
2010/12/20	07:30:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/12/20	07:30:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/12/20	07:30:20.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/12/20	07:32:54.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	07:32:56.0	XRT_QT_PROG_SET_423_OG [0x1a7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/12/20	07:32:58.0	XRT_FL_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 10				
2010/12/20	07:33:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	08:35:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	08:35:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	08:35:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/20	08:38:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/20	08:56:30.0	XRT_Custom_418_OG [0x1a2]							
2010/12/20	08:57:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	10:16:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	10:16:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	10:16:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/20	10:19:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/20	10:28:00.0	XRT_Custom_418_OG [0x1a2]							
2010/12/20	10:29:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	14:09:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	14:09:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	14:09:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				

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2010/12/20	14:10:00.0	XRT_Custom_418_OG [0x1a2]							
2010/12/20	14:11:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	14:12:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/20	15:39:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	15:39:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	15:39:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/20	15:42:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/20	16:02:30.0	XRT_Custom_418_OG [0x1a2]							
2010/12/20	16:03:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	17:15:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	17:15:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	17:15:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/20	17:18:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/20	17:39:30.0	XRT_Custom_418_OG [0x1a2]							
2010/12/20	17:40:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	17:56:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	17:56:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/12/20	17:56:30.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/12/20	17:56:46.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/12/20	17:56:48.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/12/20	17:56:50.0	XRT_ARS_DIS_438_OG [0x1b6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/12/20	17:59:28.0	XRT_QT_PROG_SET_410_OG [0x19a]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03				
2010/12/20	17:59:30.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	18:06:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	18:06:26.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/12/20	18:06:30.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	03 00 00 00 00				
2010/12/20	18:06:46.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/12/20	18:06:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/12/20	18:06:50.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/12/20	18:09:24.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	18:09:26.0	XRT_QT_PROG_SET_423_OG [0x1a7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/12/20	18:09:28.0	XRT_FL_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 10				
2010/12/20	18:09:30.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	18:52:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	18:52:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	18:52:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/20	18:55:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/20	19:16:00.0	XRT_Custom_418_OG [0x1a2]							
2010/12/20	19:17:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	20:30:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	20:30:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	20:30:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/20	20:33:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2010/12/20	20:53:30.0	XRT_Custom_418_OG [0x1a2]							
2010/12/20	20:54:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/12/20	22:07:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/12/20	22:07:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/12/20	22:07:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2010/12/20	22:10:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				

2010/12/20	22:29:30.0	XRT_Custom_418_OG [0x1a2]						
2010/12/20	22:30:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/12/20	23:45:00.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/12/20	23:45:02.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/12/20	23:45:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/12/20	23:48:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/12/20	23:55:30.0	XRT_Custom_418_OG [0x1a2]						
2010/12/20	23:56:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/12/21	01:11:30.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/12/21	01:11:32.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/12/21	01:11:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/12/21	01:14:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/12/21	01:28:00.0	XRT_Custom_418_OG [0x1a2]						
2010/12/21	01:29:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/12/21	02:43:30.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/12/21	02:43:32.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/12/21	02:43:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/12/21	02:46:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/12/21	03:04:30.0	XRT_Custom_418_OG [0x1a2]						
2010/12/21	03:05:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/12/21	04:12:30.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/12/21	04:12:32.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/12/21	04:12:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/12/21	04:15:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/12/21	04:42:00.0	XRT_Custom_418_OG [0x1a2]						
2010/12/21	04:43:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/12/21	05:53:00.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/12/21	05:53:02.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/12/21	05:53:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/12/21	05:56:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/12/21	06:19:30.0	XRT_Custom_418_OG [0x1a2]						
2010/12/21	06:20:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/12/21	06:29:24.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/12/21	06:29:26.0	XRT_FOCUS_POSITION_401_OG [0x191]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2010/12/21	06:29:30.0	AOCS_Ore-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2010/12/21	06:29:46.0	XRT_FLD_DIS_402_OG [0x192]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2010/12/21	06:29:48.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/12/21	06:29:50.0	XRT_ARS_DIS_438_OG [0x1b6]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/12/21	06:32:28.0	XRT_QT_PROG_SET_410_OG [0x19a]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03			
2010/12/21	06:32:30.0	XRT_CTRL_AUTO_406_OG [0x196]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/12/21	06:39:30.0	AOCS_Ore-point_Start_3_OG [0x099]						
		AOCU_NM	5	02-76	03 00 00 00 00			
2010/12/21	07:33:30.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/12/21	07:33:32.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/12/21	07:33:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/12/21	07:36:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/12/21	09:16:00.0	AOCS_Ore-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 00 00 00 00			