

XRT Timeline to be uploaded on 2009/09/01

Period: 2009/09/01 10:39:00 - 2009/09/05 10:24:00

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Normal mode

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XOB #16FC: QS - C/Poly (Thick-Al) - FOV512 - 1min												
Term	Pointing (x, y)						Comment					
09/01 10:52:00 - 09/01 13:46:00	Track (-63.0, 452.3) @ 09/01 10:49:00	# OP start + 10min, Coronal hole Boundary OBS										
09/01 13:57:00 - 09/01 15:10:54	Track (-63.0, 452.3) @ 09/01 10:49:00	# OP start + 10min, Coronal hole Boundary OBS										
09/02 22:03:00 - 09/03 06:01:24	Track (182.5, 454.5) @ 09/02 22:00:00	Coronal Hole Boundary										
PROG= 15 Inf.-time(s)												
Subr= 1	1-time(s)	2.0sec										
Seqn= 4	1-time(s)	60.0sec										
C-poly/Open	thin-Be/Open	close	Safe	Norm	22.6s	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2	1-time(s)	2.0sec										
Seqn= 24	1-time(s)	4.0sec										
C-poly/Open	C-poly/Open	close	Safe	Norm	11.3s	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 #168F: twilight monitor 384x384												
Term	Pointing (x, y)						Comment					
09/01 13:48:06 - 09/01 13:54:54	Track (-63.0, 452.3) @ 09/01 10:49:00	# OP start + 10min, Coronal hole Boundary OBS										
PROG= 14 Inf.-time(s)												
Subr= 1	1-time(s)	30.0sec										
Seqn= 56	1-time(s)	2.0sec										
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1024, 1024)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #15E5: G-Band Q90 2x2 FFI for Co-align. data and Al/Poly - C/Poly												
Term	Pointing (x, y)						Comment					
09/01 15:13:00 - 09/01 15:54:30	Fixed (0.0, -906.6)	# HOP79 Irradiance Scan NS no1										
09/01 16:05:00 - 09/01 16:27:54	Fixed (0.0, -807.1)	HOP79 No2										
09/01 16:30:00 - 09/01 16:52:54	Fixed (0.0, -707.6)	HOP79 No3										
09/01 16:55:00 - 09/01 17:55:54	Fixed (0.0, -608.0)	HOP79 No4										
09/01 18:07:00 - 09/01 18:29:54	Fixed (0.0, -508.5)	HOP79 No5										
09/01 18:32:00 - 09/01 18:52:30	Fixed (0.0, -409.0)	HOP79 No6										
09/01 19:19:00 - 09/01 19:41:54	Fixed (0.0, -309.4)	HOP79 No7										
09/01 19:44:00 - 09/01 20:06:54	Fixed (0.0, -209.9)	HOP79 No8										
09/01 20:09:00 - 09/01 20:29:30	Fixed (0.0, -110.4)	HOP79 No9										
09/01 20:56:00 - 09/01 21:18:54	Fixed (0.0, -10.9)	HOP79 No10										
09/01 21:21:00 - 09/01 21:43:54	Fixed (0.0, 10.9)	HOP79 No11										
09/01 21:46:00 - 09/01 22:33:54	Fixed (0.0, 110.4)	HOP79 No12										
09/01 22:36:00 - 09/01 22:58:54	Fixed (0.0, 209.9)	HOP79 No13										
09/01 23:01:00 - 09/01 23:23:54	Fixed (0.0, 309.4)	HOP79 No14										
09/01 23:26:00 - 09/01 23:44:30	Fixed (0.0, 409.0)	HOP79 No15										
09/02 00:00:00 - 09/02 00:22:54	Fixed (0.0, 508.5)	HOP79 No16										
09/02 00:25:00 - 09/02 00:47:54	Fixed (0.0, 608.0)	HOP79 No17										
09/02 00:50:00 - 09/02 01:12:30	Fixed (0.0, 707.6)	HOP79 No18										
09/02 01:30:00 - 09/02 01:52:54	Fixed (0.0, 807.1)	HOP79 No19										
09/02 01:55:00 - 09/02 06:28:54	Fixed (0.0, 906.6)	HOP79 No20										
PROG= 17 2-time(s)												
Subr= 1	1-time(s)	120.0sec										
Seqn= 67	1-time(s)	2.0sec										
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Subr= 2	1-time(s)	2.0sec										
Seqn= 59	6-time(s)	120.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	5.66s	Obs	1x1	384x384 (1024, 1024)	Q=90	0	0	2.0sec
C-poly/Open	C-poly/Open	close	Safe	Norm	5.66s	Obs	1x1	384x384 (1024, 1024)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #16D9: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 2048x512 -1x1 512x2048) +Ti-poly(723/11571) + G-band(1												
Term	Pointing (x, y)						Comment					
09/01 17:59:00 - 09/01 18:04:54	Fixed (0.0, 0.0)	synoptic, shifted -4.0 min */										
09/02 18:19:00 - 09/02 19:29:00	Fixed (0.0, 0.0)	synoptic, shifted 16.0 min										
09/02 19:53:30 - 09/02 20:00:00	Track (0.0, -0.1) @ 09/02 18:26:00	# EIS sensitivity monit.										
PROG= 01 1-time(s)												
Subr= 1	1-time(s)	12.0sec										
Seqn= 36	1-time(s)	4.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 85	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= 88	1-time(s)	4.0sec																				
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	707ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec									
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec									
Seqn= 92	1-time(s)	2.0sec																				
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec									
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)			Comp.	AEC Buffer	Interval									

XOB #16D8: Synoptic Q95 2x2 - Al/mesh(512/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 2048x512 -1x1 512x2048) +Ti-poly(723/11571) + G-band(

Term	Pointing (x, y)	Comment
09/02 06:32:00 - 09/02 06:38:54	Fixed (0.0, 0.0)	synoptic, shifted 29.0 min
09/03 06:04:30 - 09/03 06:11:24	Fixed (0.0, 0.0)	synoptic, shifted 1.5 min

PROG= 19	1-time(s)																				
Subr= 1	1-time(s)	12.0sec																			
Seqn= 47	1-time(s)	4.0sec																			
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec								
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	5.66s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec								
Seqn= 85	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= 88	1-time(s)	4.0sec																			
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	707ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec								
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec								
Seqn= 92	1-time(s)	2.0sec																			
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec								
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)			Comp.	AEC Buffer	Interval								

XOB #16FE: QS - 2-filter - Al/poly 12s, Al/mesh 8s - FOV512

Term	Pointing (x, y)	Comment
09/02 06:42:00 - 09/02 17:52:00	Track (504.7, -643.2) @ 09/02 06:39:00	# IBIS Filament OBS

PROG= 04	Inf.-time(s)																				
Subr= 1	1-time(s)	2.0sec																			
Seqn= 94	1-time(s)	4.0sec																			
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	1024x1024	(1024, 1024)	Q=90	0	0	2.0sec								
Subr= 2	48-time(s)	150.0sec																			
Seqn= 97	1-time(s)	4.0sec																			
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	8.00s	Obs	1x1	512x512	(1024, 1024)	Q=98	0	0	2.0sec								
Al-poly/Open	Al-poly/Open	close	Safe	Norm	11.3s	Obs	1x1	512x512	(1024, 1024)	Q=98	0	0	2.0sec								
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)			Comp.	AEC Buffer	Interval								

XOB #1638: Synoptic 9 Filter- 2x2 Q98 Longer exp

Term	Pointing (x, y)	Comment
09/02 20:00:30 - 09/02 21:59:54	Track (0.0, -0.1) @ 09/02 18:26:00	# EIS sensitivity monit.

PROG= 07	1-time(s)																				
Subr= 1	1-time(s)	180.0sec																			
Seqn= 39	1-time(s)	30.0sec																			
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	5.66s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Seqn= 19	1-time(s)	30.0sec																			
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	707ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Seqn= 6	1-time(s)	30.0sec																			
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	5.66s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Seqn= 52	1-time(s)	30.0sec																			
C-poly/Open	C-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
C-poly/Open	med-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Seqn= 90	1-time(s)	30.0sec																			
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	16.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Seqn= 55	1-time(s)	30.0sec																			
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Subr= 2	1-time(s)	360.0sec																			
Seqn= 20	1-time(s)	4.0sec																			
med-Al/Open	med-Al/Open	close	Safe	Norm	64.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Seqn= 45	1-time(s)	4.0sec																			
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Seqn= 50	1-time(s)	4.0sec																			
Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	250ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec								
Seqn= 92	1-time(s)	4.0sec																			
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 #161B: High Temperature Plasma Study - Med-Be (12s) + Med-Al (32s) - Darks - no AEC - low cadence

Term	Pointing (x, y)	Comment
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PROG= 11 Inf.-time(s)

Subr= 1	1-time(s)	10.0sec																	
└ Seqn= 43	20-time(s)	30.0sec																	
└└ med-Be/Open	med-Be/Open	close	Safe	Norm	11.3s	Obs	8x8	2048x2048	(1024, 1024)	DPCM	0	0	2.0sec						
└ Seqn= 34	12-time(s)	60.0sec																	
└└ med-Al/Open	med-Al/Open	close	Safe	Norm	32.0s	Obs	8x8	2048x2048	(1024, 1024)	DPCM	0	0	2.0sec						
Subr= 2	1-time(s)	4.0sec																	
└ Seqn= 80	1-time(s)	4.0sec																	
└└ med-Be/Open	med-Be/Open	close	Safe	Dark	11.3s	Obs	8x8	2048x2048	(1024, 1024)	DPCM	0	0	2.0sec						
└└ med-Be/Open	med-Be/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							

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Flare mode

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NOT USED

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Active Region Search

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NOT USED

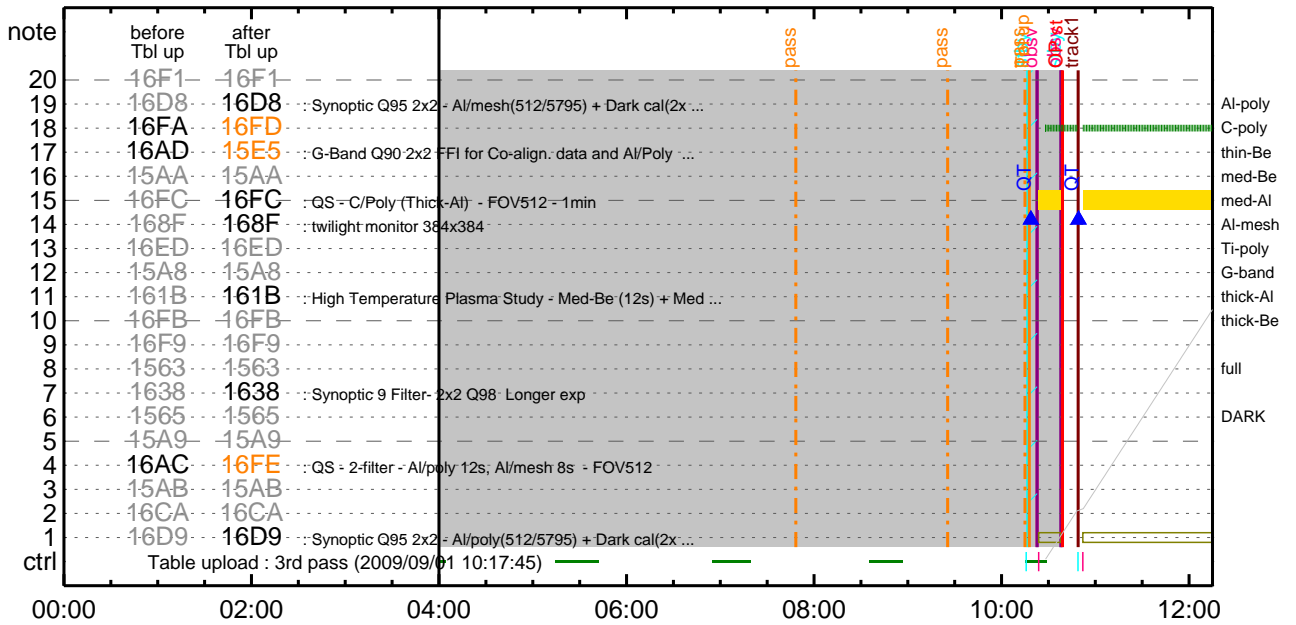
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Flare Detection

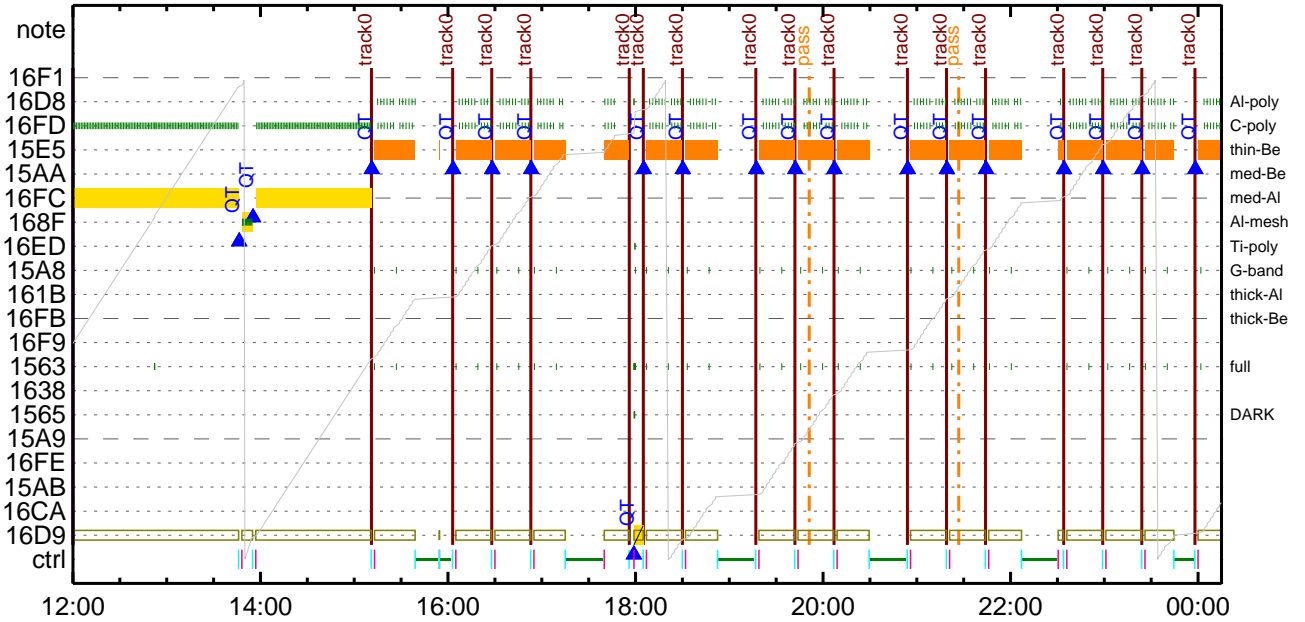
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NOT USED

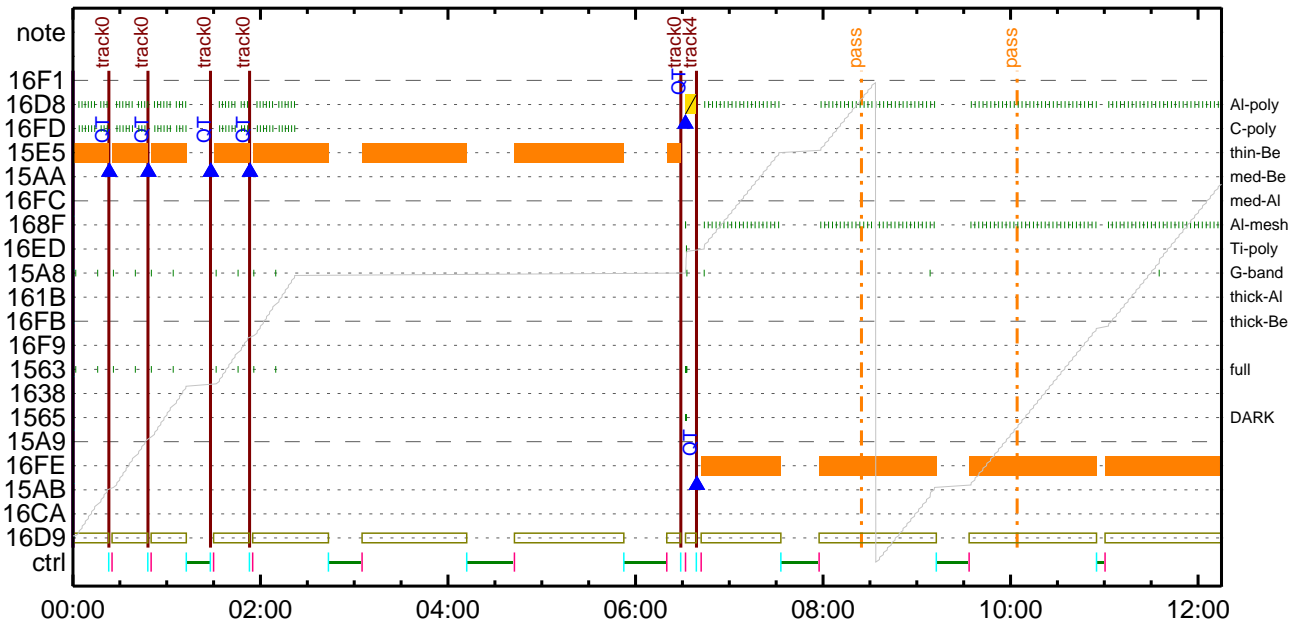
CMDI #0769 2009/09/01



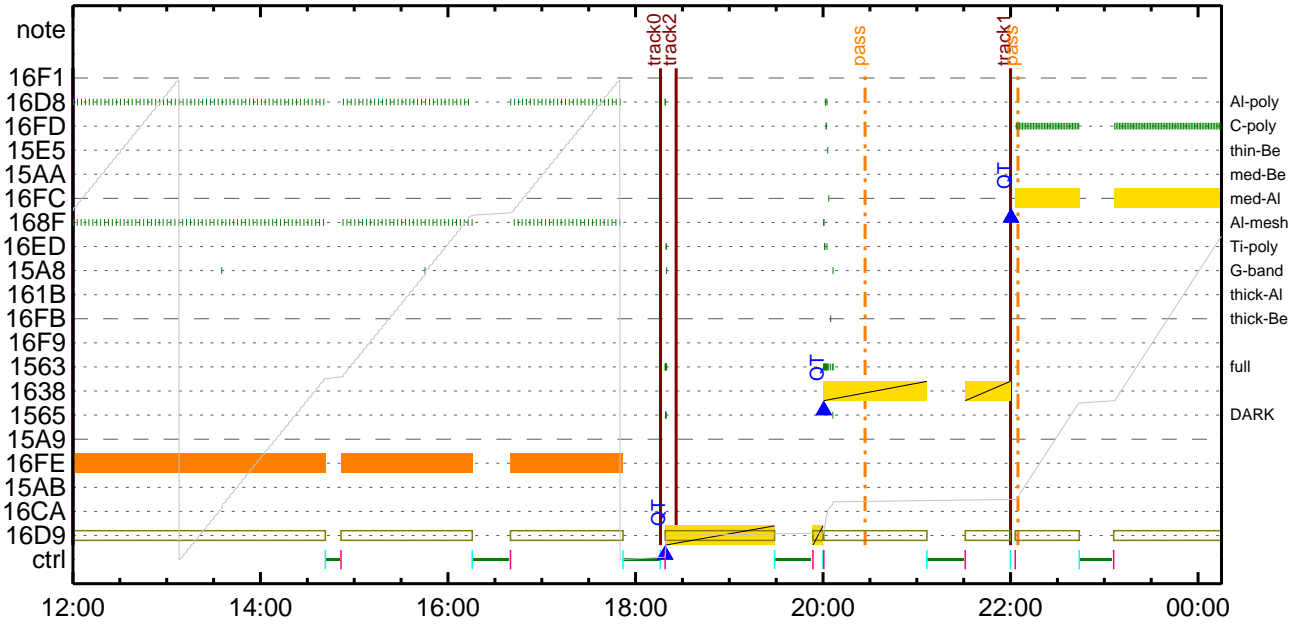
CMDI #0769 2009/09/01



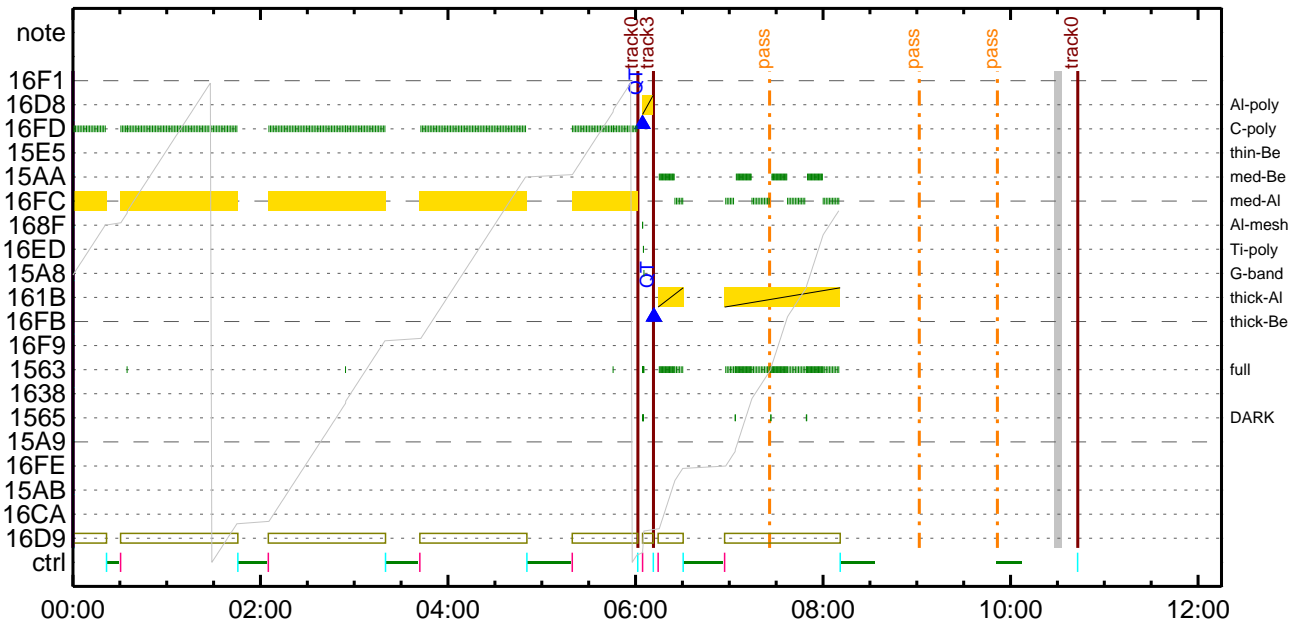
CMDI #0769 2009/09/02



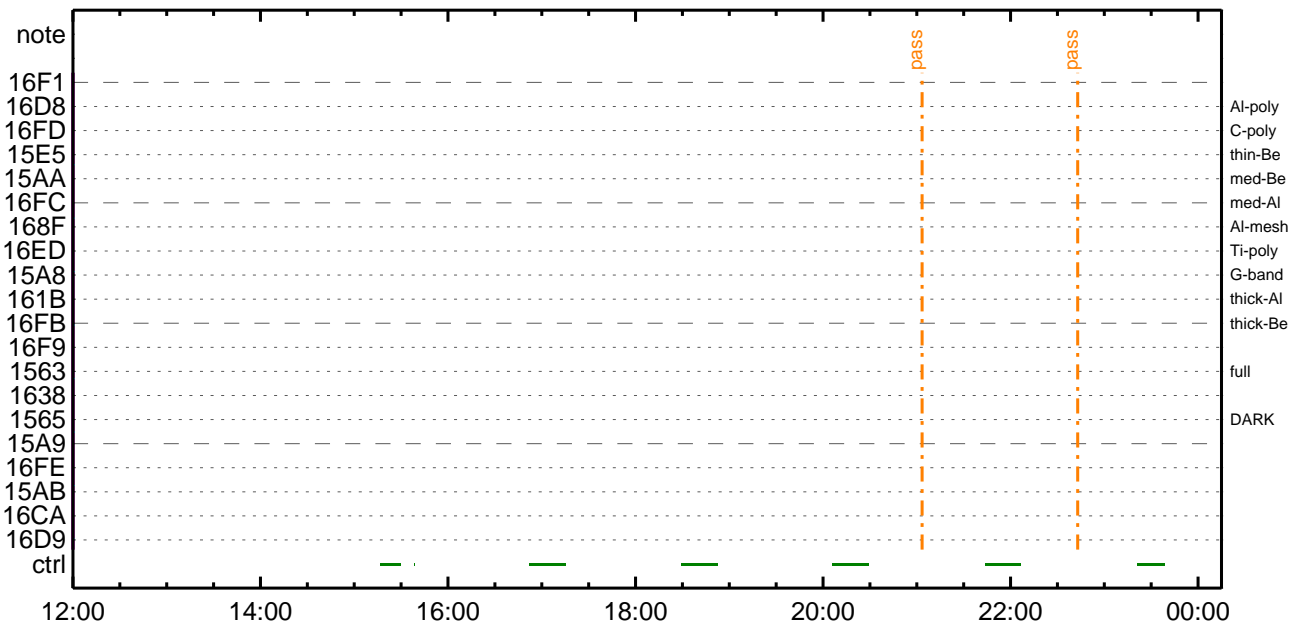
CMDI #0769 2009/09/02



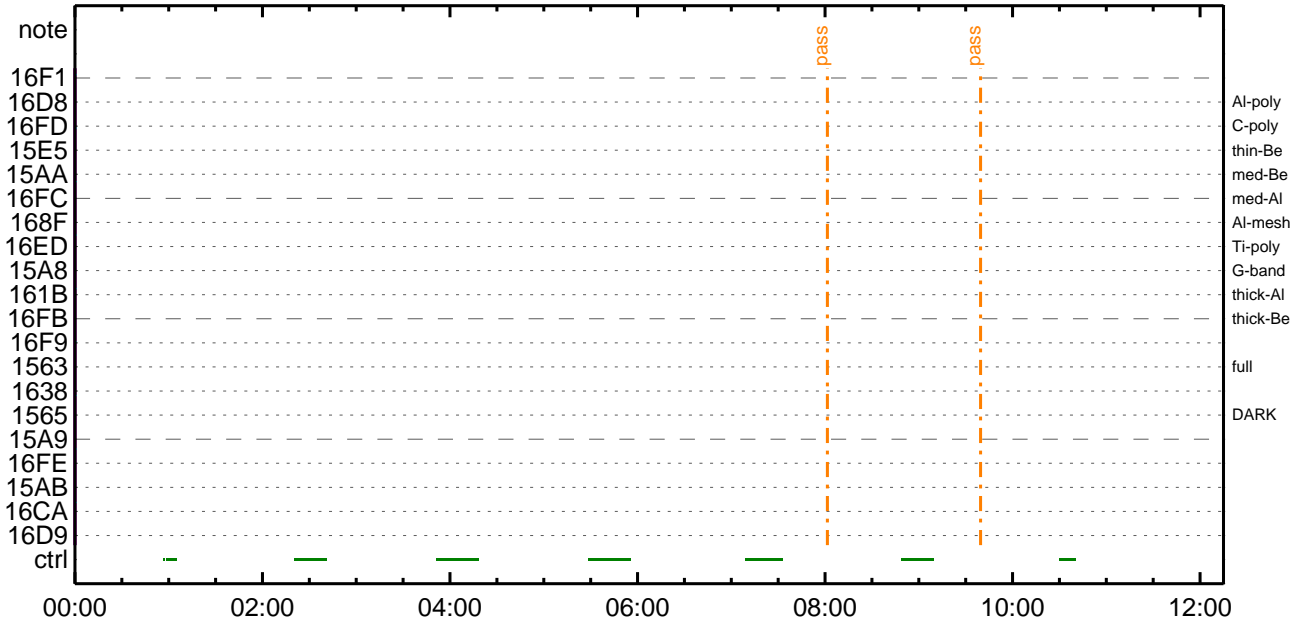
CMDI #0769 2009/09/03



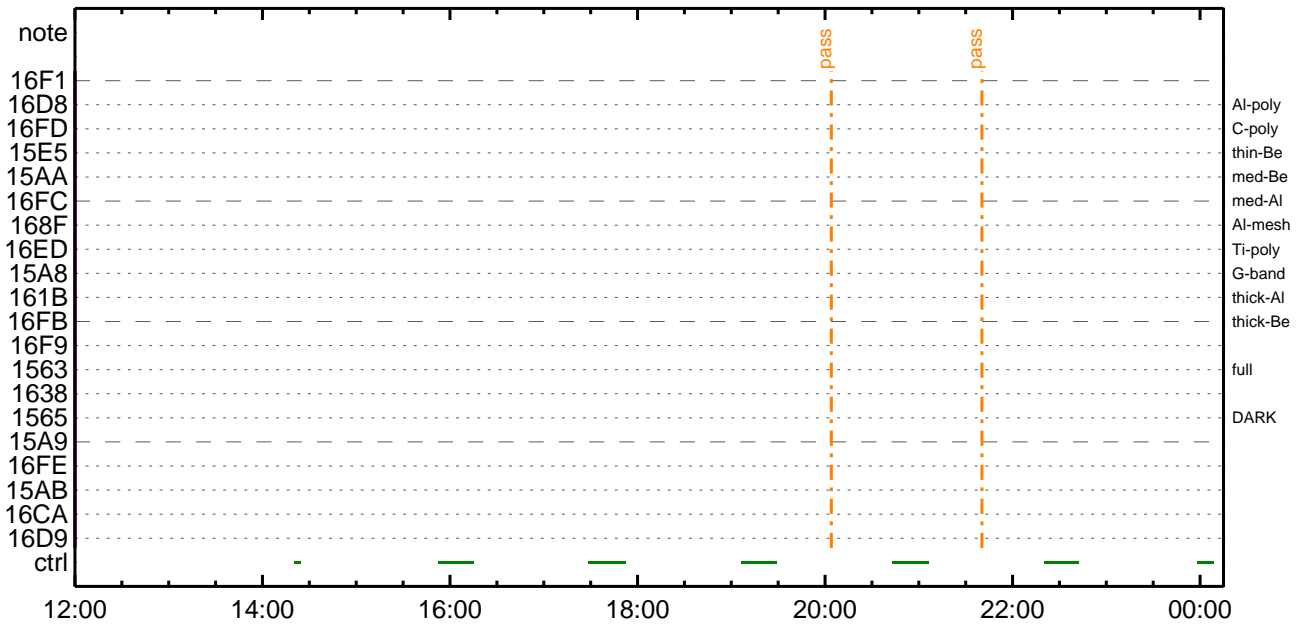
CMDI #0769 2009/09/03



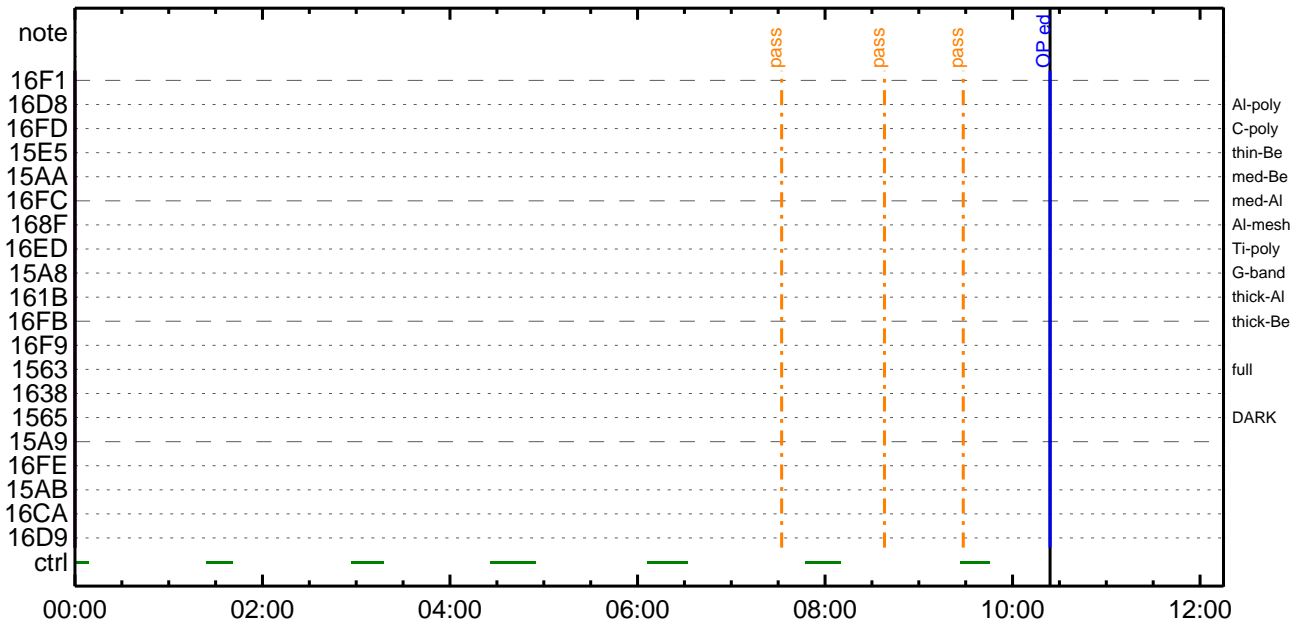
CMDI #0769 2009/09/04



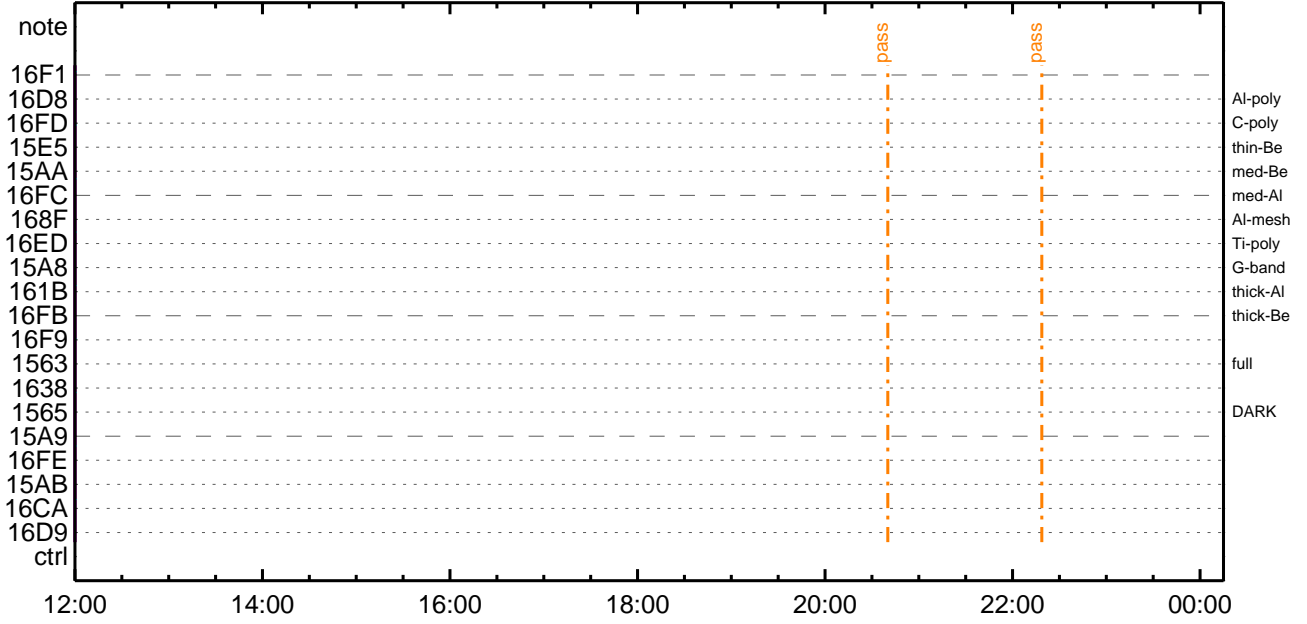
CMDI #0769 2009/09/04



CMDI #0769 2009/09/05



CMDI #0769 2009/09/05




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOX
0100 C. *****
0101 C.
0102 C. ;aOP/OGY1;4YE;a
0103 S. OP op-817:OP
0104 ( )
0105 S. OG og-817:OG
0106 ( )
0107 C.
0108 C. ;aNMOG&OPf^°eYAYOX;a
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. YAYOXx½^a î»oð³ îÇ§
0125 C.          çç[HK1_DMP_CHK_FLG]           EQ     NON
0126 C. RAM ID=NMOG□î¼E¹ç•ë² îOKoð³ îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C.          çç[HK1_DMP_TOP_ADRS_1]          EQ     41
0132 C.          çç[HK1_DMP_TOP_ADRS_0]          EQ      0
0133 C.          çç[HK1_DMP_BLOCK_NUM]          EQ     127
0134 C.          çç[HK1_DMP_REPEAT_NUM]         EQ      0
0135 C.          çç[HK1_DMA_DMP_PIM]            EQ     DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C.          çç[HK1_PKT_FORM_NO]             EQ      7
0139 C.          çç[HK1_PKT_GEN_TIME]           EQ     0.25 s
0140 C.          çç[HK1_S_TLM_BIT_RATE]         EQ     32k
0141 C.          çç[HK1_X_TLM_BIT_RATE]         EQ      4M
0142 C.          çç[HK1_DMP_CHK_FLG]           EQ     EXEC
0143 C. YAYOXx½^a î»oð³ îÇ§
0144 C.          çç[HK1_DMP_CHK_FLG]           EQ     NON
0145 C. RAM ID=NMOG□î¼E¹ç•ë² îOKoð³ îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C.          çç[HK1_DMP_TOP_ADRS_1]          EQ     42
0151 C.          çç[HK1_DMP_TOP_ADRS_0]          EQ      0
0152 C.          çç[HK1_DMP_BLOCK_NUM]          EQ     65
0153 C.          çç[HK1_DMP_REPEAT_NUM]         EQ      0
0154 C.          çç[HK1_DMA_DMP_PIM]            EQ     DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C.          çç[HK1_PKT_FORM_NO]             EQ      7
0158 C.          çç[HK1_PKT_GEN_TIME]           EQ     0.25 s
0159 C.          çç[HK1_S_TLM_BIT_RATE]         EQ     32k
0160 C.          çç[HK1_X_TLM_BIT_RATE]         EQ      4M
0161 C.          çç[HK1_DMP_CHK_FLG]           EQ     EXEC
0162 C. YAYOXx½^a î»oð³ îÇ§
0163 C.          çç[HK1_DMP_CHK_FLG]           EQ     NON
0164 C. RAM ID=NMOG, RAM ID=OP□î¼E¹ç•ë² îOKoð³ îÇ§
0165 C.
0166 C. ***** oE²¼o î¼Ä´¶A°oEÉ¬oA÷¿@ (¼âµ-YAYOXx½^e¼çoðÄÖæoç¼^a°¬oE¼i¹çoçoâ) *****
0167 C. DHUYâ;4YE;E¼Y½, Y;¼YE;Eoðîã¹
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 UPLOAD¬-Á÷¿@NGuî¼i¹ç;ç°E²¼o îTI-CMDÁ÷¿@î¼Ä¹Ôo•oEoð³ oE;f
0180 C.          oE¼¿;çSEToEDUMPaîE±°iYNY¹oç¹Ôo|o³oE;f
0181 C.
0182 C. TIY³YpYóYEoðÄDî¿¿(UT)
0183 +. TI 2009-09-01 10:34:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C.          çç[HK1_TI_CMD_NUM]             EQ     1COUNTUP
0186 C.
0187 +. TI 2009-09-01 10:34:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C.          çç[HK1_TI_CMD_NUM]             EQ     1COUNTUP
0190 C.
0191 +. TI 2009-09-01 10:34:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C.          çç[HK1_TI_CMD_NUM]             EQ     1COUNTUP

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```
0194 C.
0195 +. TI 2009-09-01 10:38:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.      çç[HK1_TI_CMD_NUM]      EQ      1COUNTUP
0198 C.
0199 C.      °Ê²¼ǎİÄē%īīñǎîŷÁŷšŷÄŷ-¹àiŭ
0200 C.      çç[HK1_TI_CMD_ENA/DIS]    EQ      ENA
0201 C.      çç[HK1_TI_CMD_NUM]      EQ      4
0202 C.      çç[HK1_NEXT_EXEC_PIM]    EQ      DHU
0203 C.      çç[HK1_NEXT_EXEC_DC]    EQ      0xB3
0204 C.
0205 C.      *****
0206 C.      TIİİ°èŷÄŷÖŷx
0207 C.      *****
0208 C.
0209 C.      TI_TBL(0x03AB00-0x03AEFF;$ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.      çç[HK1_DMP_TOP_ADRS_1]   EQ      07
0213 C.      çç[HK1_DMP_TOP_ADRS_0]   EQ      2B
0214 C.      çç[HK1_DMP_BLOCK_NUM]    EQ      3
0215 C.      çç[HK1_DMP_REPEAT_NUM]  EQ      0
0216 C.      çç[HK1_DMA_DMP_PIM]      EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.      çç[HK1_PKT_FORM_NO]      EQ      7
0220 C.      çç[HK1_PKT_GEN_TIME]     EQ      0.25 s
0221 C.      çç[HK1_S_TLM_BIT_RATE]   EQ      32k
0222 C.      çç[HK1_X_TLM_BIT_RATE]   EQ      4M
0223 C.      çç[HK1_DMP_CHK_FLG]      EQ      EXEC
0224 C.
0225 C.      ŷÄŷÖŷx½ªİ»ǎð³İçš
0226 C.      çç[HK1_DMP_CHK_FLG]      EQ      NON
0227 C.
0228 C.      RAM ID=TI_TBLǎİ½Ê¹ç.è²İOKǎð³İçš
0229 C.
0230 C.      DHUŷā;¼ŷÉ;Ê¼ŷ½.ŷİ;¼ŷÊ;Êǎðİāǎ¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.      çç[HK1_PKT_FORM_NO]      EQ      2
0234 C.      çç[HK1_PKT_GEN_TIME]     EQ      0.5S
0235 C.      çç[HK1_S_TLM_BIT_RATE]   EQ      32K
0236 C.      çç[HK1_X_TLM_BIT_RATE]   EQ      4M
0237 C.
0238 C.      Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C.      ***** Start EIS operation (TI set) *****
0242 C.      Execute, after the success of OP upload.
0243 C.      Set EIS TI-commands
0244 +. TI 2009-09-01 10:38:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2009-09-01 10:38:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC      (22)
0250 C.      [ ] [HK1_TI_CMD_NUM]     EQ      2 COUNTUP
0251 C.      ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C.
0255 C.      ***** XRT START *****
0256 C.      Execute, after the success of OP upload.
0257 +. TI 2009-09-01 10:38:00.0
0258 DC 07-F0 MDP_XRT_MODE_STBY
0259 BC      (c3)
0260 C.      [ ] [HK1_TI_CMD_NUM]     EQ      1COUNTUP
0261 C.
0262 C.      ***** XRT END *****
0263 C.
0264 C.      ***** MDP `ûÄİǎİ»ò¼ŷǎÈÄĐǎ¹ǎèDCBC•x²è *****
0265 C.      (¼ā°İŷÖŷÄŷËŷŷŷËŷāŷçŷèǎÈ¼ǎǎ¼Ä»Ūǎ¹ǎè)
0266 S. DC-BC dcbc-402:DCBC
0267 (MDP_known_event)
0268 C.
0269 C.
0270 C.      ***** ŷĐŷ¹.İ Daily±;İñǎÈ´ǎ¹ǎèDCBC•x²è *****
0271 S. DC-BC dcbc-153:DCBC
0272 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0273 C.
0274 C.
0275 C.      ıäLOSŷÄŷŷŷÄŷ-¼Ä»Ū;ä
0276 C.
0277 C.      ***** LOS *****
0278 C.
```



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0096 C.
0097 C.
0098 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCS Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0130 +. DC 07-FC EIS_MODE_MANU
0131 BC (21 02)
0132 . C. Verify EIS in MANUAL mode
0133 . C. Estimated OBSTBL upload time is 44s
0134 C. *****
0135 C. EIS START OBSTBL LOAD
0136 C. *****
0137 . S. RAM ram-820:EIS_OBSTBL
0138 ( )
0139 +. DC 07-FC EIS_DUMP_OBSTBL
0140 BC (07 07 07 00 00 70 00)
0141 C.
0142 C. Execute, after the success of OBSTBL upload.
0143 C. Set EIS TI-commands
0144 +. TI 2009-09-01 10:38:50.0
0145 DC 07-FC EIS_MODE_CHG_ENA
0146 BC (20)
0147 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0148 C. *****
0149 C. EIS END OBSTBL LOAD
0150 C. *****
0151 C.
0152 . C. ***** MDP 'úÃîîî»ö¼ÝðËÃð¹ñèDCBC•x²è *****
0153 C. (%ã°îÿÓÿÄÿËÿÏÿÛÿäÿçÿèñ¼¼¼¼¼»Û¹ñè)
0154 . S. DC-BC dcbc-402:DCBC
0155 (MDP_known_event)
0156 C.
0157 C.
0158 . C. ***** ÝÐÝ¹•Ï Daily±¿ÎÑñË´Ø¹ñèDCBC•x²è *****
0159 . S. DC-BC dcbc-153:DCBC
0160 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0161 C.
0162 C.
0163 . C. ;ãLOSÿÁÿÛÿÄÿ-¼Ã»Û;ã
0164 C.
0165 . C. ***** LOS *****
0166 C.

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(a) Spacecraft Operation Procedure (real-commands)

```
main-819 2009-09-01 12:54:36 94 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YFYOYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿øÁø•µ°È»Í×ÁÇøíYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈøÈ¼°ÇÓø•ø¿¼í¹çøí;çÁ®, ùø¹øÈøÈøçÁ+¿®ø•øÈøøøøøÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 06 80 80 08 08)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 80 20 20)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 80 80 06 06)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 80 80 20 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0a 80 80 08 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0b 80 80 10 10)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0f 80 80 04 04)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 10 80 80 10 10)
0056 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0057 BC (c4 0f)
0058 +. DC 07-F0 MDP_XRT_ARS_DIS
0059 BC (d5)
0060 +. DC 07-F0 MDP_XRT_FLD_DIS
0061 BC (d9)
0062 +. DC 07-F0 MDP_XRT_FLRCTRL_DIS
0063 BC (c9)
0064 . C. ----- Success Verify ? OK / NG ____
0065 C.
0066 C.
0067 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0068 C.
0069 +. DC 07-F0 MDP_XRT_MODE_OBSV
0070 BC (c2)
0071 +. DC 07-F0 MDP_XRT_CTRL_AUTO
0072 BC (c0)
0073 +. TI 2009-09-01 10:38:02.0
0074 DC 07-F0 MDP_XRT_MODE_OBSV
0075 BC (c2)
0076 . C. ----- Success Verify ? OK / NG ____
0077 C.
0078 C. ***** XRT END *****
0079 C.
0080 . C. ***** MDP `ûÁíøí»ò¼YøÈÁøø¹øÈDCBC•x²è *****
0081 C. (¼á°íYÓYÁYÈYÈYÈYáYçYÈøÈ¼øø¼Á»Ûø¹øÈ)
0082 . S. DC-BC dcbc-402:DCBC
0083 (MDP_known_event)
0084 C.
0085 C.
0086 . C. ***** YDY!•İ Daily±¿ÍÑøÈ´Øø¹øÈDCBC•x²è *****
0087 . S. DC-BC dcbc-153:DCBC
0088 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0089 C.
0090 C.
0091 . C. ;ãLOSÁY$YÁY~¼Á»Û;ã
0092 C.
0093 . C. ***** LOS *****
0094 C.
```

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*** OP Sequence for XRT ***

2009/09/01	10:48:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/01	10:48:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/01	10:49:00.0	AOCS_OrE-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	01 00 00 00 00		
2009/09/01	10:49:16.0	XRT_QT_PROG_SET_411_OG [0x19b]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f		
2009/09/01	10:49:18.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/01	10:49:20.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/01	10:49:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/01	10:52:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/01	13:46:00.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/01	13:46:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/01	13:46:22.0	XRT_QT_PROG_SET_426_OG [0x1aa]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e		
2009/09/01	13:46:24.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/01	13:46:26.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/01	13:46:28.0	XRT_FLRCTRL_DIS_429_OG [0x1ad]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/01	13:48:06.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/01	13:54:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/01	13:54:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/01	13:55:16.0	XRT_QT_PROG_SET_411_OG [0x19b]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f		
2009/09/01	13:55:18.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/01	13:55:20.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/01	13:55:22.0	XRT_FLRCTRL_DIS_429_OG [0x1ad]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/01	13:57:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/01	15:10:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/01	15:10:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/01	15:11:00.0	AOCS_OrE-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 50 93 00 00		
2009/09/01	15:11:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/01	15:12:54.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/01	15:12:56.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/01	15:12:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/01	15:13:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/01	15:39:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/01	15:53:30.0	XRT_Custom_430_OG [0x1ae]					
2009/09/01	15:54:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/01	15:54:30.5	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/01	16:02:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/01	16:02:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/01	16:03:00.0	AOCS_OrE-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	00 47 be 00 00		
2009/09/01	16:03:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/01	16:04:54.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/01	16:04:56.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/01	16:04:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/01	16:05:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/01	16:27:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/01	16:27:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/01	16:28:00.0	AOCS_OrE-point_Start_4_OG [0x09a]					
		AOCU_NM	5	02-76	00 3e e9 00 00		
2009/09/01	16:28:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		

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2009/09/01	16:29:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	16:29:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	16:29:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/01	16:30:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	16:52:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	16:52:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/01	16:53:00.0	AOCS_ORe-point_Start_5_OG [0x09b]			
		AOCU_NM	5	02-76	00 36 0c 00 00
2009/09/01	16:53:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/01	16:54:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	16:54:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	16:54:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/01	16:55:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	17:15:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	17:39:00.0	XRT_Custom_430_OG [0x1ae]			
2009/09/01	17:40:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	17:55:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	17:55:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2009/09/01	17:56:00.0	AOCS_ORe-point_Start_6_OG [0x09c]			
		AOCU_NM	5	02-76	00 00 00 00 00
2009/09/01	17:56:16.0	XRT_FLD_DIS_419_OG [0x1a3]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	17:56:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/01	17:56:20.0	XRT_ARS_DIS_410_OG [0x19a]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	17:58:58.0	XRT_QT_PROG_SET_400_OG [0x190]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01
2009/09/01	17:59:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	18:04:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	18:04:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/01	18:05:00.0	AOCS_ORe-point_Start_7_OG [0x09d]			
		AOCU_NM	5	02-76	00 2d 37 00 00
2009/09/01	18:05:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/01	18:06:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	18:06:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	18:06:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/01	18:07:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	18:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	18:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/01	18:30:00.0	AOCS_ORe-point_Start_8_OG [0x09e]			
		AOCU_NM	5	02-76	00 24 5a 00 00
2009/09/01	18:30:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/01	18:31:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	18:31:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	18:31:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/01	18:32:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	18:52:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	19:16:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	19:16:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/01	19:17:00.0	AOCS_ORe-point_Start_9_OG [0x09f]			
		AOCU_NM	5	02-76	00 1b 85 00 00
2009/09/01	19:17:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/01	19:18:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	19:18:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	19:18:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9

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2009/09/01	19:19:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	19:41:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	19:41:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/01	19:42:00.0	AOCS_OrE-point_Start_10_OG [0x0a0] AOCU_NM	5	02-76	00 12 a7 00 00
2009/09/01	19:42:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/01	19:43:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	19:43:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	19:43:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/01	19:44:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	20:06:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	20:06:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/01	20:07:00.0	AOCS_OrE-point_Start_11_OG [0x0a1] AOCU_NM	5	02-76	00 09 d2 00 00
2009/09/01	20:07:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/01	20:08:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	20:08:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	20:08:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/01	20:09:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	20:29:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	20:53:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	20:53:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/01	20:54:00.0	AOCS_OrE-point_Start_12_OG [0x0a2] AOCU_NM	5	02-76	00 00 f5 00 00
2009/09/01	20:54:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/01	20:55:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	20:55:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	20:55:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/01	20:56:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	21:18:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	21:18:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/01	21:19:00.0	AOCS_OrE-point_Start_13_OG [0x0a3] AOCU_NM	5	02-76	00 ff 0b 00 00
2009/09/01	21:19:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/01	21:20:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	21:20:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	21:20:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/01	21:21:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	21:43:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	21:43:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/01	21:44:00.0	AOCS_OrE-point_Start_14_OG [0x0a4] AOCU_NM	5	02-76	00 f6 2e 00 00
2009/09/01	21:44:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/01	21:45:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/01	21:45:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/01	21:45:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/01	21:46:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	22:07:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	22:29:30.0	XRT_Custom_430_OG [0x1ae]			
2009/09/01	22:30:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/01	22:33:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/01	22:33:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00

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2009/09/01	22:34:00.0	AOCS_ORe-point_Start_15_OG [0x0a5] AOCU_NM	5	02-76	00	ed	59	00	00
2009/09/01	22:34:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/01	22:35:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/01	22:35:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/01	22:35:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/01	22:36:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/01	22:58:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/01	22:58:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/01	22:59:00.0	AOCS_ORe-point_Start_16_OG [0x0a6] AOCU_NM	5	02-76	00	e4	7b	00	00
2009/09/01	22:59:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/01	23:00:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/01	23:00:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/01	23:00:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/01	23:01:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/01	23:23:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/01	23:23:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/01	23:24:00.0	AOCS_ORe-point_Start_17_OG [0x0a7] AOCU_NM	5	02-76	00	db	a6	00	00
2009/09/01	23:24:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/01	23:25:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/01	23:25:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/01	23:25:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/01	23:26:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/01	23:44:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/01	23:57:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/01	23:57:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/01	23:58:00.0	AOCS_ORe-point_Start_18_OG [0x0a8] AOCU_NM	5	02-76	00	d2	c9	00	00
2009/09/01	23:58:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/01	23:59:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/01	23:59:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/01	23:59:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/02	00:00:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/02	00:22:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	00:22:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/02	00:23:00.0	AOCS_ORe-point_Start_19_OG [0x0a9] AOCU_NM	5	02-76	00	c9	f4	00	00
2009/09/02	00:23:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/02	00:24:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/02	00:24:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/02	00:24:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/02	00:25:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/02	00:47:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	00:47:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/02	00:48:00.0	AOCS_ORe-point_Start_20_OG [0x0aa] AOCU_NM	5	02-76	00	c1	17	00	00
2009/09/02	00:48:16.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/02	00:49:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/02	00:49:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/02	00:49:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/02	00:50:00.0	XRT_CTRL_AUTO_403_OG [0x193]							

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2009/09/02	01:12:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/02	01:27:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/02	01:27:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/02	01:28:00.0	AOCS_ORe-point_Start_21_OG [0x0ab]	AOCU_NM	5	02-76	00 b8 42 00 00
2009/09/02	01:28:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/02	01:29:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/02	01:29:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/02	01:29:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/02	01:30:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/02	01:52:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/02	01:52:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/02	01:53:00.0	AOCS_ORe-point_Start_22_OG [0x0ac]	AOCU_NM	5	02-76	00 af 6d 00 00
2009/09/02	01:53:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/02	01:54:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/02	01:54:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/02	01:54:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/02	01:55:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/02	02:43:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/02	03:04:00.5	XRT_Custom_430_OG [0x1ae]				
2009/09/02	03:05:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/02	04:12:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/02	04:41:30.0	XRT_Custom_430_OG [0x1ae]				
2009/09/02	04:42:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/02	05:52:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/02	06:19:00.0	XRT_Custom_430_OG [0x1ae]				
2009/09/02	06:20:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/02	06:28:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/02	06:28:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2009/09/02	06:29:00.0	AOCS_ORe-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00 00 00 00 00
2009/09/02	06:29:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/02	06:29:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/02	06:29:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/02	06:31:58.0	XRT_QT_PROG_SET_409_OG [0x199]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13
2009/09/02	06:32:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/02	06:38:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/02	06:38:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/02	06:39:00.0	AOCS_ORe-point_Start_23_OG [0x0ad]	AOCU_NM	5	02-76	04 00 00 00 00
2009/09/02	06:39:16.0	XRT_QT_PROG_SET_413_OG [0x19d]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 04
2009/09/02	06:39:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/02	06:39:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/02	06:39:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/02	06:42:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/02	07:33:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/02	07:56:30.0	XRT_Custom_430_OG [0x1ae]				
2009/09/02	07:57:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/02	09:12:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/02	09:32:30.0	XRT_Custom_430_OG [0x1ae]				
2009/09/02	09:33:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/02	10:55:00.0	XRT_CTRL_MANU_435_OG [0x1b3]				

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2009/09/02	10:59:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	11:00:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
2009/09/02	14:41:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/02	14:50:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	14:51:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
2009/09/02	16:15:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/02	16:39:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	16:40:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]								
2009/09/02	17:52:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/02	18:15:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	18:15:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	18:16:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/09/02	18:16:16.0	XRT_FLD_DIS_419_OG [0x1a3]	AOCS_Ore-point_Start_6_OG [0x09c]	5	02-76	00	00	00	00	00
2009/09/02	18:16:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	AOCU_NM	1	07-F0	d9				
2009/09/02	18:16:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/02	18:18:58.0	XRT_QT_PROG_SET_400_OG [0x190]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/02	18:19:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/02	18:26:00.0	AOCS_Ore-point_Start_24_OG [0x0ae]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01			
2009/09/02	19:29:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/02	19:52:30.0	XRT_Custom_430_OG [0x1ae]	AOCS_Ore-point_Start_24_OG [0x0ae]	5	02-76	02	00	00	00	00
2009/09/02	19:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	AOCU_NM	1	07-F0	c1				
2009/09/02	20:00:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	20:00:02.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	20:00:22.0	XRT_FLD_DIS_419_OG [0x1a3]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/09/02	20:00:24.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/02	20:00:26.0	XRT_ARS_DIS_434_OG [0x1b2]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/02	20:00:28.0	XRT_QT_PROG_SET_408_OG [0x198]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/02	20:00:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07			
2009/09/02	21:06:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/02	21:30:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	21:31:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
2009/09/02	21:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/02	21:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	22:00:00.0	AOCS_Ore-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/02	22:00:16.0	XRT_QT_PROG_SET_411_OG [0x19b]	AOCS_Ore-point_Start_1_OG [0x097]	5	02-76	01	00	00	00	00
2009/09/02	22:00:18.0	XRT_ARS_DIS_422_OG [0x1a6]	AOCU_NM	1	07-F0	c4	0f			
2009/09/02	22:00:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2009/09/02	22:00:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/02	22:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/02	22:44:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/02	23:05:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/02	23:06:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
2009/09/03	00:21:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/03	00:29:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/03	00:30:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
2009/09/03	01:45:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/03	02:04:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/03	02:05:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
2009/09/03	03:20:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/03	03:41:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/03	03:42:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]								

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2009/09/03	04:50:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/09/03	05:18:30.0	XRT_Custom_430_OG [0x1ae]					
2009/09/03	05:19:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/09/03	06:01:24.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/09/03	06:01:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2009/09/03	06:01:30.0	AOCS_ORe-point_Start_6_OG [0x09c]					
			AOCU_NM	5	02-76	00 00 00 00 00	
2009/09/03	06:01:46.0	XRT_FLD_DIS_419_OG [0x1a3]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/09/03	06:01:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/09/03	06:01:50.0	XRT_ARS_DIS_410_OG [0x19a]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/09/03	06:04:28.0	XRT_QT_PROG_SET_409_OG [0x199]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 13	
2009/09/03	06:04:30.0	XRT_CTRL_AUTO_403_OG [0x193]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/09/03	06:11:24.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/09/03	06:11:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2009/09/03	06:11:30.0	AOCS_ORe-point_Start_25_OG [0x0af]					
			AOCU_NM	5	02-76	03 00 00 00 00	
2009/09/03	06:11:46.0	XRT_QT_PROG_SET_421_OG [0x1a5]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b	
2009/09/03	06:14:24.0	XRT_FLD_DIS_419_OG [0x1a3]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/09/03	06:14:26.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/09/03	06:14:28.0	XRT_ARS_DIS_446_OG [0x1be]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/09/03	06:14:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/09/03	06:30:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/09/03	06:56:00.0	XRT_Custom_430_OG [0x1ae]					
2009/09/03	06:57:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/09/03	08:11:00.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/09/03	10:42:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/09/03	10:43:00.0	AOCS_ORe-point_Start_6_OG [0x09c]					
			AOCU_NM	5	02-76	00 00 00 00 00	