

XRT Timeline to be uploaded on 2009/09/03

Period: 2009/09/03 10:33:00 - 2009/09/08 09:33:00

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Normal mode

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XOB #15E5: G-Band Q90 2x2 FFI for Co-align. data and Al/Poly - C/Poly													
Term	Pointing (x, y)		Comment										
09/03 10:47:00 - 09/03 10:59:54	Fixed (	-914.1, 239.3)	# OP start + 10min, HOP 79, irradiance scan, E-W. Pointing #1.									
09/03 11:02:00 - 09/03 11:14:54	Fixed (	-752.2, 178.1)	#2									
09/03 11:17:00 - 09/03 11:29:54	Fixed (	-575.2, 154.6)	#3									
09/03 11:32:00 - 09/03 11:44:54	Fixed (	-391.6, 140.3)	#4									
09/03 11:47:00 - 09/03 11:59:54	Fixed (	-202.4, 132.2)	5									
09/03 12:02:00 - 09/03 12:14:59	Fixed (	-8.2, 129.4)	#6									
09/03 12:17:05 - 09/03 12:29:54	Fixed (	8.2, 129.4)	#7									
09/03 12:32:00 - 09/03 12:44:54	Fixed (	202.4, 132.2)	#8									
09/03 12:47:00 - 09/03 12:59:54	Fixed (	391.6, 140.3)	#9									
09/03 13:02:00 - 09/03 13:14:54	Fixed (	575.2, 154.6)	#10									
09/03 13:17:00 - 09/03 13:29:54	Fixed (	752.2, 178.1)	#11									
09/03 13:32:00 - 09/03 13:44:54	Fixed (	914.1, 239.3)	#12									
09/03 13:47:00 - 09/03 13:59:54	Fixed (	-913.8, -239.2)	#13									
09/03 14:02:00 - 09/03 14:14:54	Fixed (	-722.9, -316.7)	#14									
09/03 14:17:00 - 09/03 14:29:54	Fixed (	-537.8, -339.3)	#15									
09/03 14:32:00 - 09/03 14:44:54	Fixed (	-350.3, -352.5)	#16									
09/03 14:47:00 - 09/03 14:59:54	Fixed (	-159.3, -359.5)	#17									
09/03 15:02:00 - 09/03 15:14:54	Fixed (	36.0, -361.2)	#18									
09/03 15:17:00 - 09/03 15:29:54	Fixed (	159.3, -359.5)	#19									
09/03 15:32:00 - 09/03 15:44:54	Fixed (	350.3, -352.5)	#20									
09/03 15:47:00 - 09/03 15:59:54	Fixed (	537.8, -339.3)	#21									
09/03 16:02:00 - 09/03 16:14:54	Fixed (	722.9, -316.7)	#22									
09/03 16:17:00 - 09/03 16:29:54	Fixed (	913.8, -239.2)	#23, final irradiance scan pointing.									
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 #16FF: AR Thermal Al/mesh + Al/poly - AEC1 - 384x384 - 1x1													
Term	Pointing (x, y)		Comment										
09/03 16:33:02 - 09/03 17:59:54	Track (	64.8, 160.6)	* Track AR 11025.									
09/03 18:13:02 - 09/04 05:14:54	Track (	79.3, 160.7)	# Cont.									
09/04 18:07:00 - 09/04 19:59:54	Track (	283.7, 165.8)	* Track AR 11025.									
09/04 23:03:00 - 09/05 05:38:54	Track (	324.4, 167.6)	* Track AR 11025									
09/05 05:52:00 - 09/05 10:33:54	Track (	379.4, 170.5)	# Cont.									
PROG= 03 Inf.-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 81 1-time(s) 4.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	512x512 (1024, 1024)	Q=98	0	0	2.0sec
└─ Subr= 2 60-time(s) 120.0sec													
└─ Seqn= 26 1-time(s) 4.0sec													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	1	0	2.0sec
	Al-poly/Open	med-Be/Open	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	1	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #16E7: Synoptic Q95 2x2 - Al/poly(181/2048) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 2048x512 -1x1 512x2048) + Ti-poly(256/4096) + G-band(16													
Term	Pointing (x, y)		Comment										
09/03 18:03:00 - 09/03 18:09:54	Fixed (	0.0, 0.0)	synoptic										
09/04 17:57:00 - 09/04 18:03:54	Fixed (	0.0, 0.0)	synoptic, shifted -6.0 min										
PROG= 12 1-time(s)													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 30 1-time(s) 4.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 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= 60 1-time(s) 4.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 92 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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XOB #16E8: Synoptic Q95 2x2 - Al/mesh(256/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(181/2048) + G-band(181/2048)

Term	Pointing (x, y)	Comment
09/04 05:18:00 - 09/04 05:24:54	Fixed (0.0, 0.0)	* Synoptic, shifted manually.
09/05 05:42:00 - 09/05 05:48:54	Fixed (0.0, 0.0)	synoptic, shifted -21.0 min
PROG= 08 1-time(s)		
└ Subr= 1 1-time(s) 12.0sec		
└ Seqn= 18 1-time(s) 4.0sec		
Open/Al-mesh	Open/Al-mesh close	Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=98 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= 68 1-time(s) 4.0sec		
Open/Ti-poly	Open/thick-Al close	Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Norm 8.00s 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 #161B: High Temperature Plasma Study - Med-Be (12s) + Med-Al (32s) - Darks - no AEC - low cadence

Term	Pointing (x, y)	Comment
09/04 05:28:00 - 09/04 11:00:00	Track (-19.7, -0.0) @ 09/04 05:25:00	# HOP 95, program 2, network study, disk-center tracking. XRT AR 11024 remnant studies.
09/04 20:03:00 - 09/04 22:59:54	Track (-10.2, 0.1) @ 09/04 20:00:00	# HOP 95, program 1, network studies, disk-center tracking. XRT AR remnant studies.
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

XOB #162A: Synoptic 9 Filter- 2x2 Q98

Term	Pointing (x, y)	Comment
09/04 11:00:30 - 09/04 11:14:54	Track (-19.7, -0.0) @ 09/04 05:25:00	# HOP 95, program 2, network study, disk-center tracking. XRT AR 11024 remnant studies.
PROG= 16 1-time(s)		
└ Subr= 1 1-time(s) 180.0sec		
└ Seqn= 78 1-time(s) 25.0sec		
Open/Al-mesh	Open/Ti-poly close	Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Ti-poly close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
└ Seqn= 29 1-time(s) 25.0sec		
Open/Ti-poly	Open/Ti-poly close	Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Ti-poly	Open/Ti-poly close	Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
└ Seqn= 86 1-time(s) 25.0sec		
Al-poly/Open	Al-poly/Open close	Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
└ Seqn= 91 1-time(s) 25.0sec		
C-poly/Open	C-poly/Open close	Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
C-poly/Open	C-poly/Open close	Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
└ Seqn= 53 1-time(s) 25.0sec		
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
└ Seqn= 33 1-time(s) 4.0sec		
thin-Be/Open	thin-Be/Open close	Safe Norm 22.6s 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 #16FC: QS - C/Poly (Thick-Al) - FOV512 - 1min

Term	Pointing (x, y)	Comment
09/04 11:18:00 - 09/04 17:53:54	Fixed (-2.0, 866.0)	* N pole, EIS test for HOP 80.
PROG= 15 Inf.-time(s)		

Subr= 1		1-time(s)	2.0sec											
└─ Seqn= 4		120-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	

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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

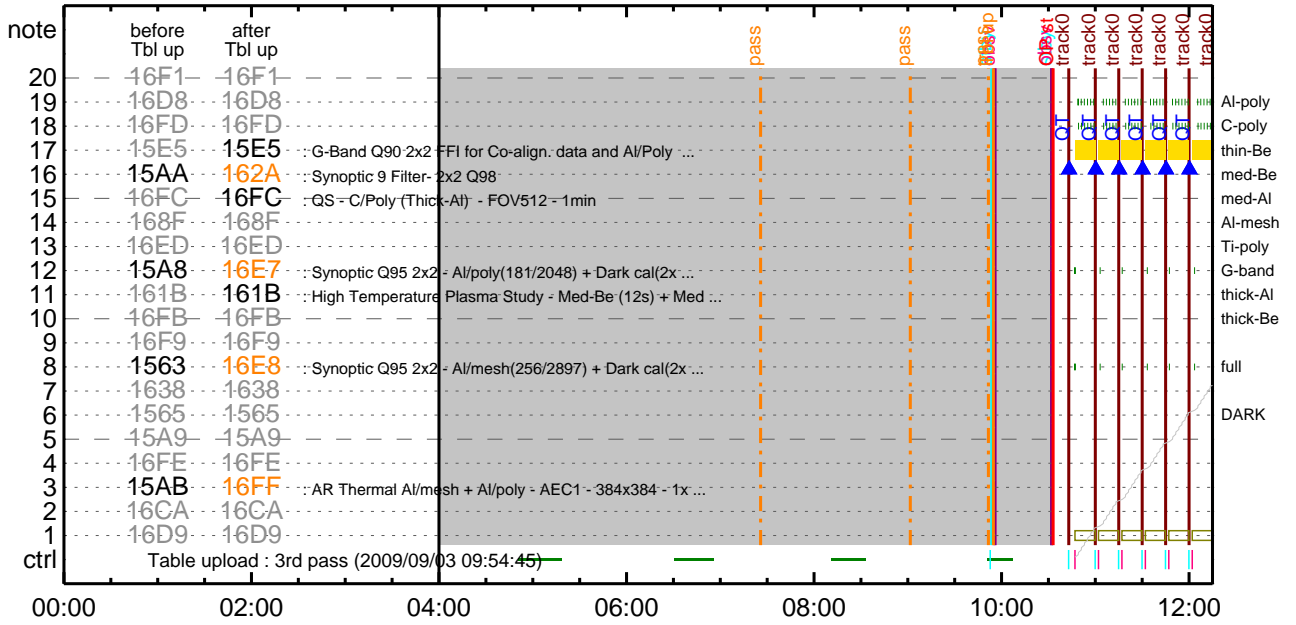
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Flare Detection

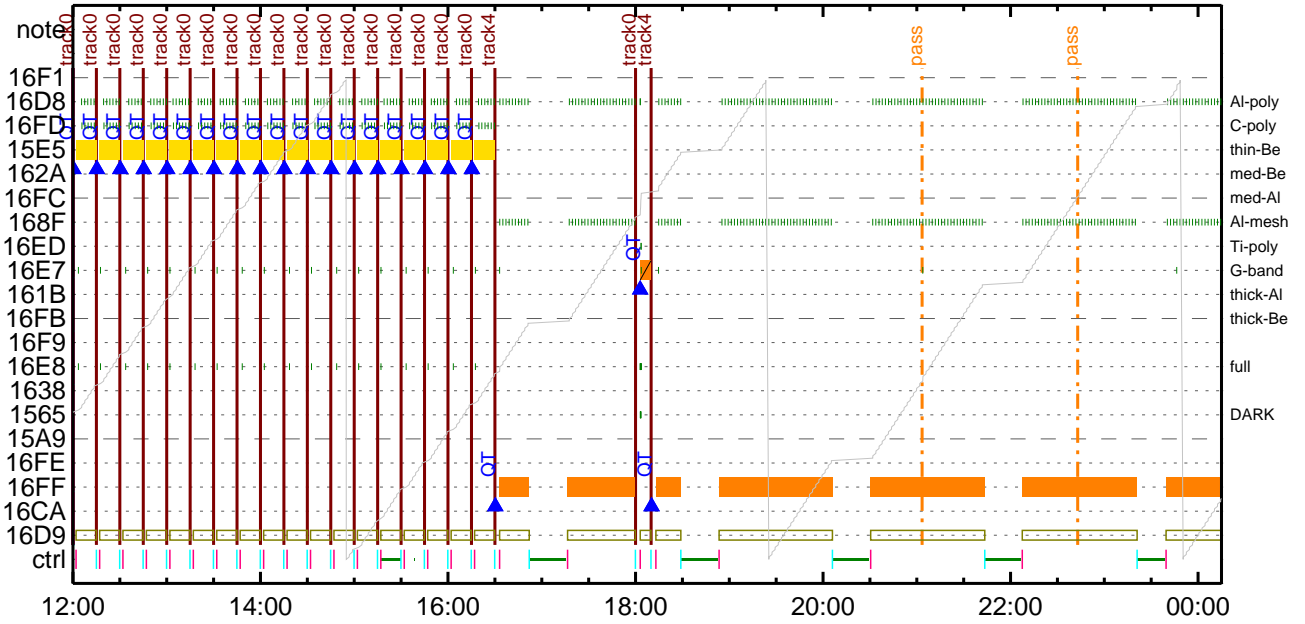
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NOT USED

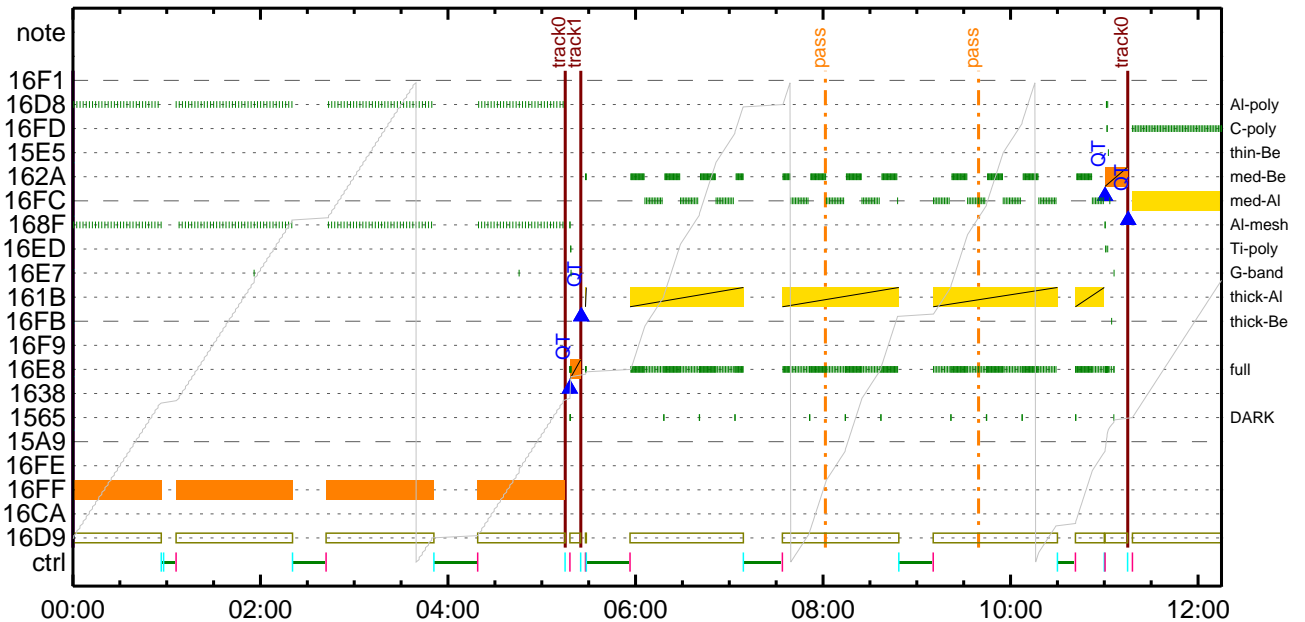
CMDI #0772 2009/09/03



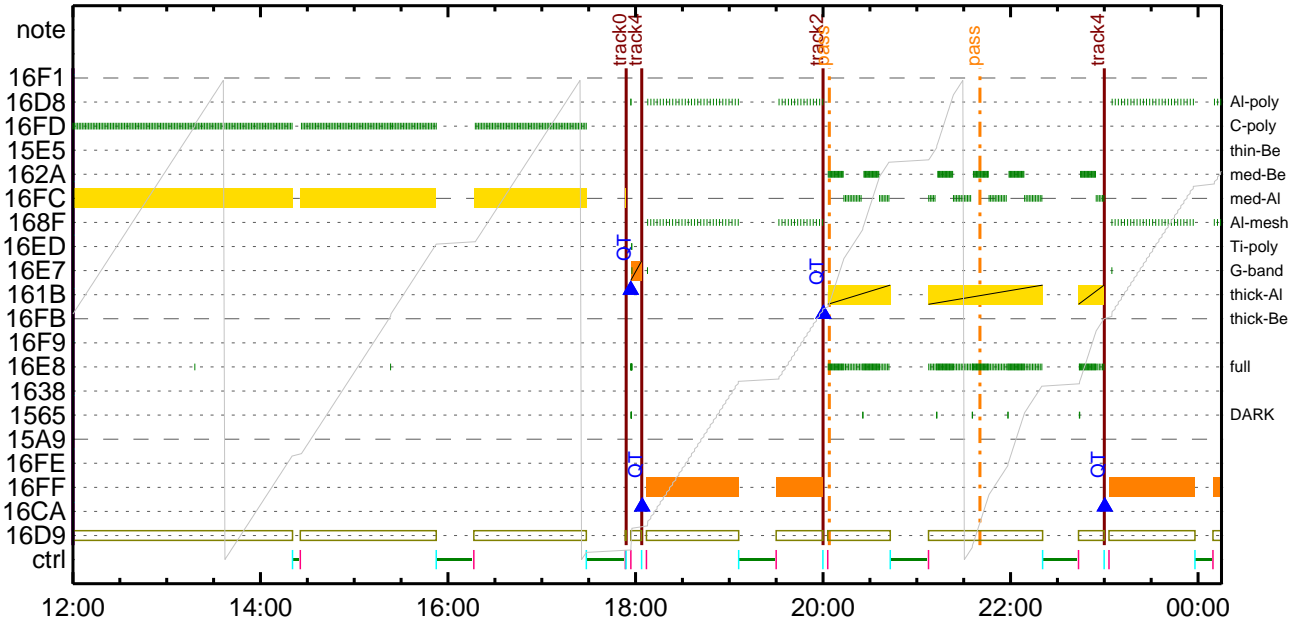
CMDI #0772 2009/09/03



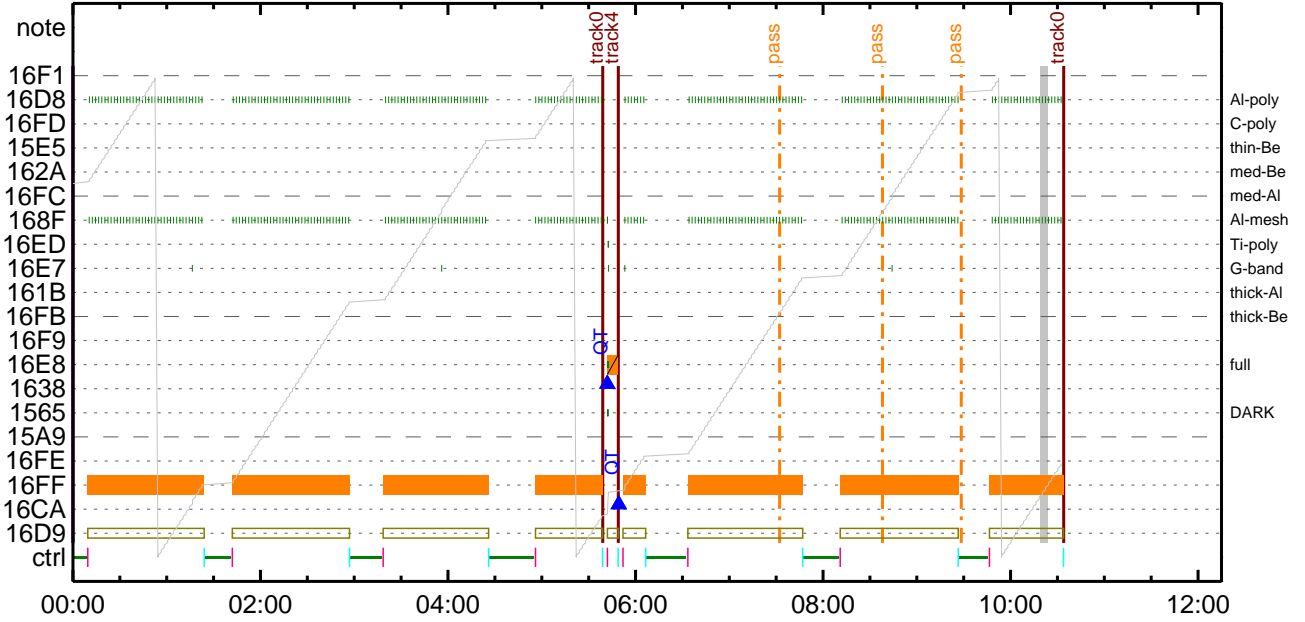
CMDI #0772 2009/09/04



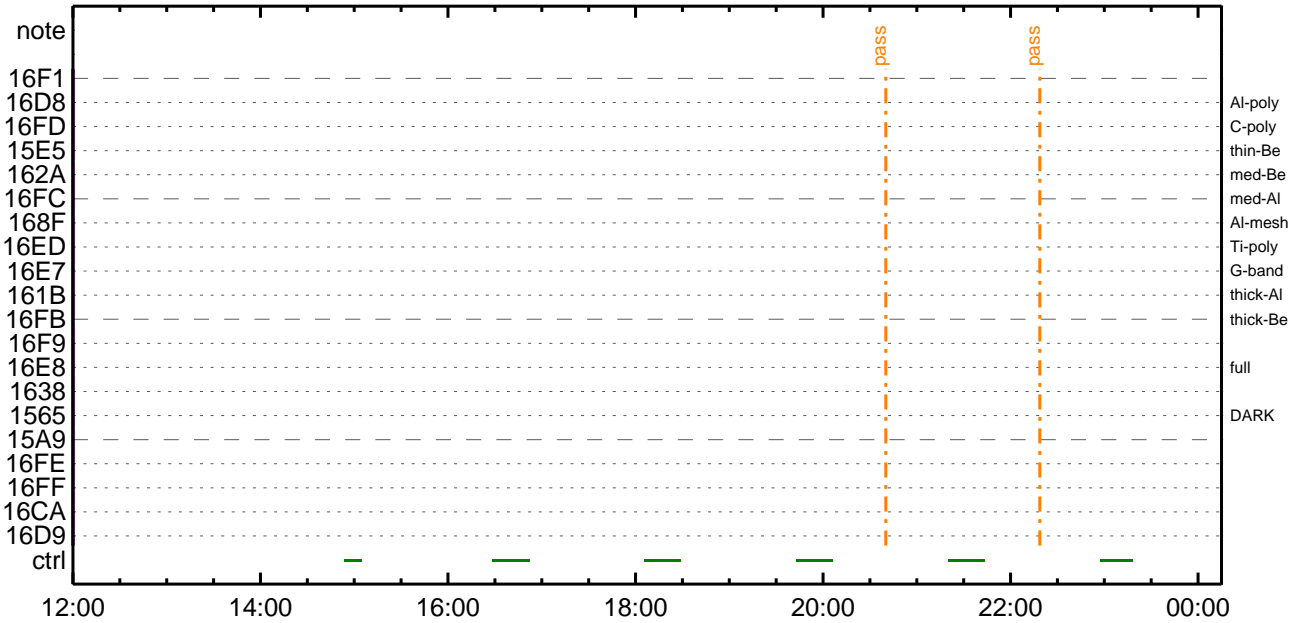
CMDI #0772 2009/09/04



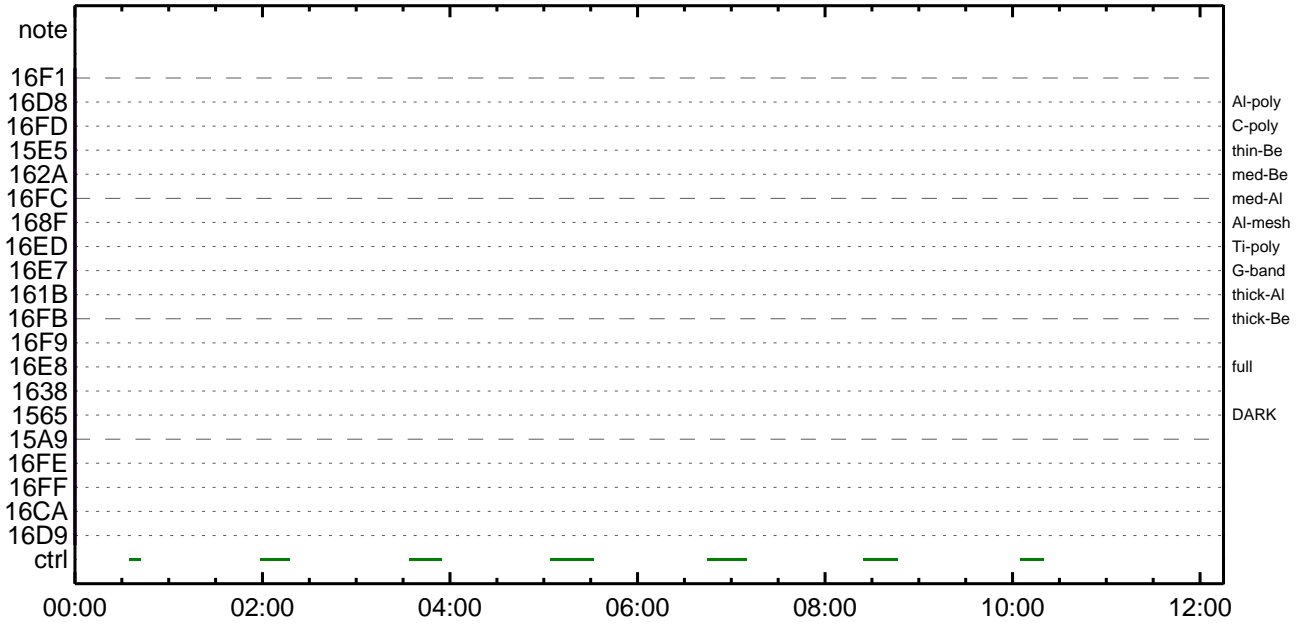
CMDI #0772 2009/09/05



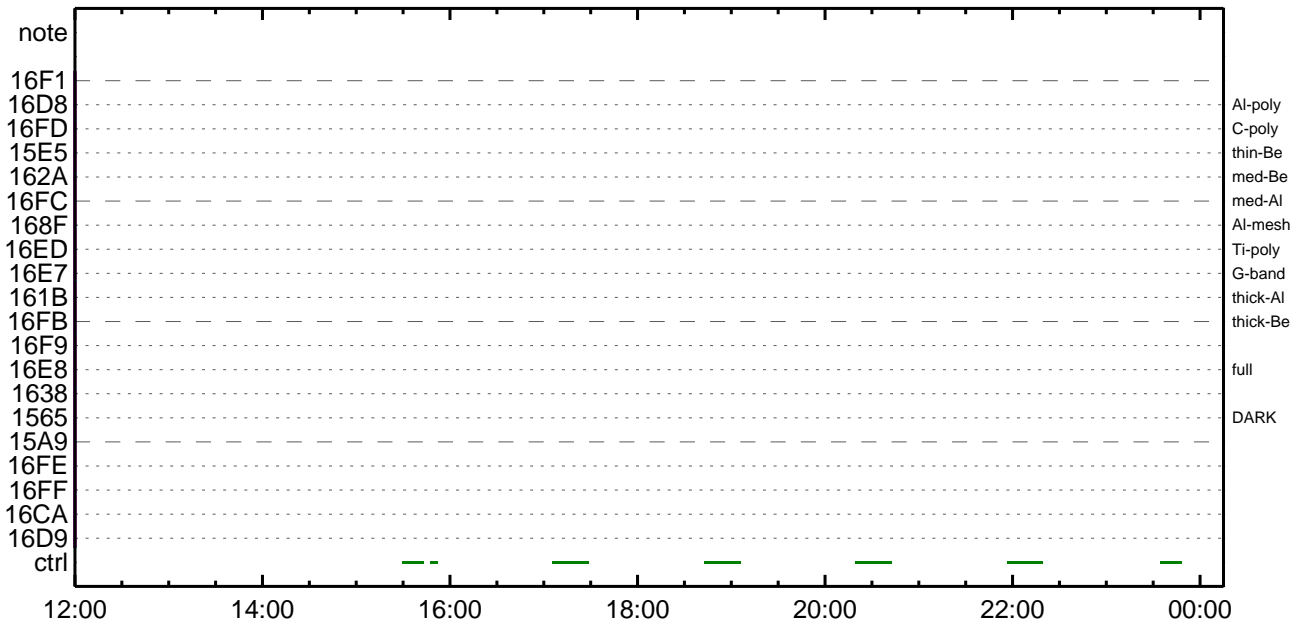
CMDI #0772 2009/09/05



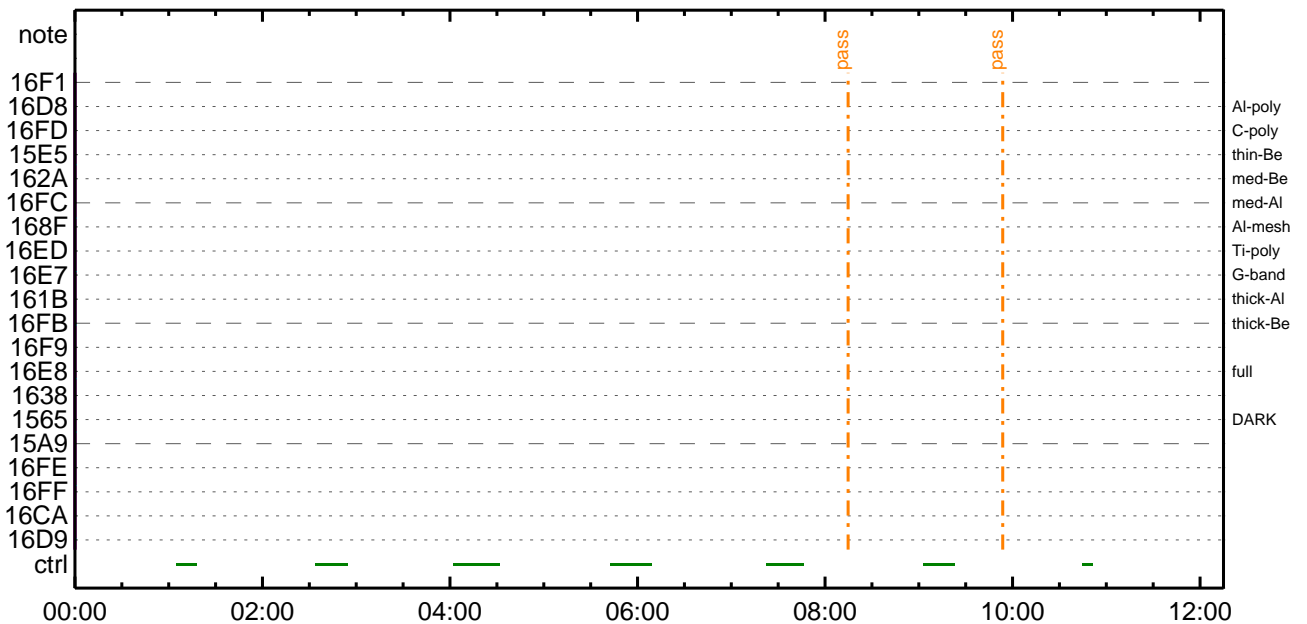
CMDI #0772 2009/09/06



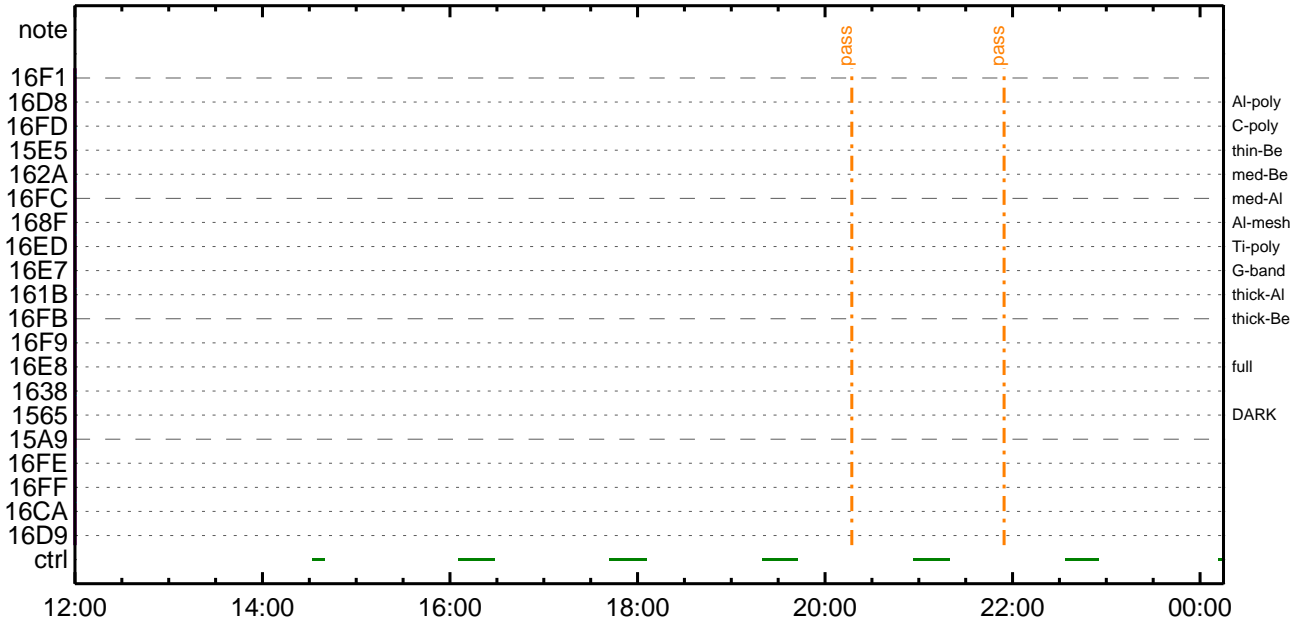
CMDI #0772 2009/09/06



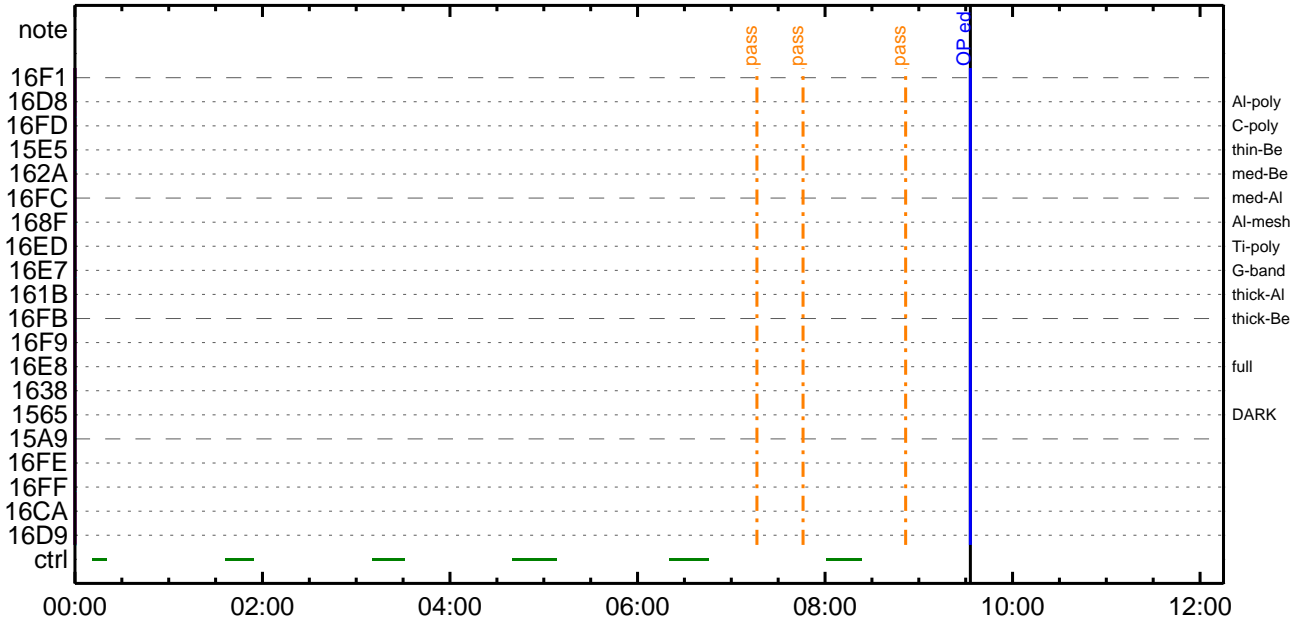
CMDI #0772 2009/09/07



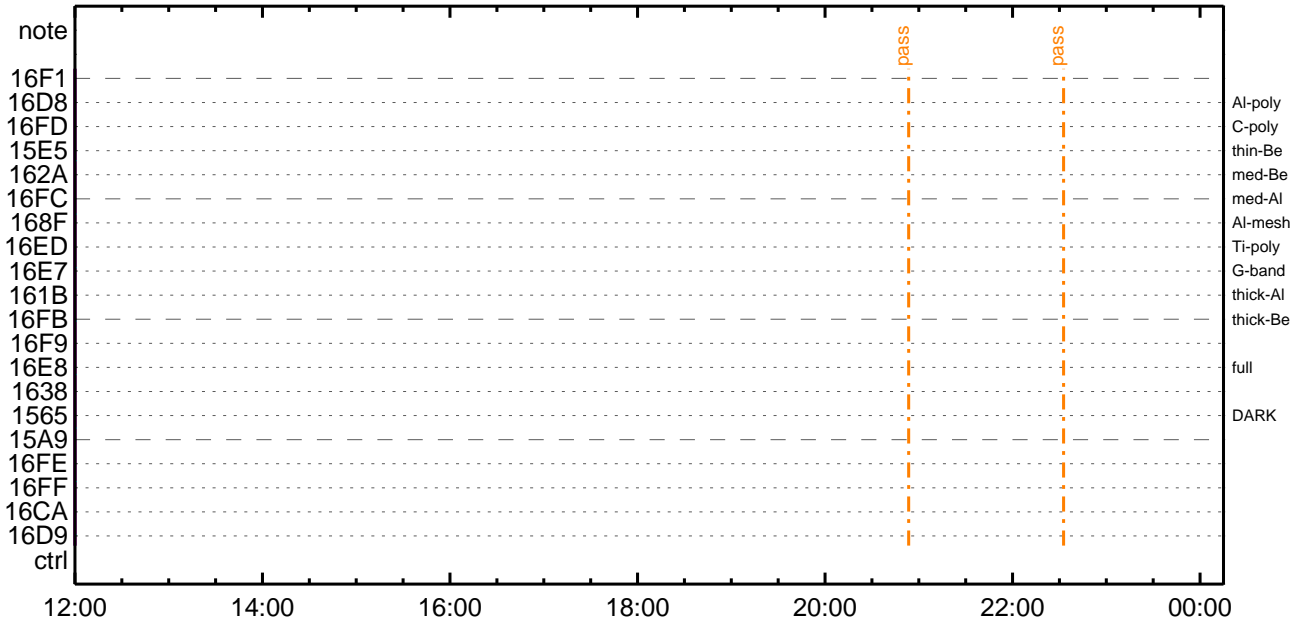
CMDI #0772 2009/09/07



CMDI #0772 2009/09/08



CMDI #0772 2009/09/08




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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-821:OP
0104 ( )
0105 S. OG og-821: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. YAY6Yx½ª î»ò³ îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGãî¼E¹Ç•è² îOKò³ 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. YAY6Yx½ª î»ò³ îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGãî¼E¹Ç•è² îOKò³ 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. YAY6Yx½ª î»ò³ îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPãî¼E¹Ç•è² îOKò³ îÇ§
0165 C.
0166 C. ***** òE²¼ò î¼Ã´ ¶Á°òEÈ¬ò°Á÷¿@ (¼åµ-YAY6Yx½ª è¼çòðÁÔÅæç¼ª°¬òè¼i¹çòçòâ) *****
0167 C. DHUãâ;¼YÈ;È¼Y½;Yi;¼YÈ;Èòðîã¹
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÷¿@NGµî¼i¹ç;ç°E²¼ò îTI-CMDÁ÷¿@òî¼Á¹Ô°¬òEòò³òE;f
0180 C. òPò¿;çSETòEDUMPAîÆ±°iYNY¹ç¹Ôò|ò³òE;f
0181 C.
0182 C. TIY³YpY6YÈòðÁDî¿(UT)
0183 +. TI 2009-09-03 10:28:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2009-09-03 10:28:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2009-09-03 10:28:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

```

```
0194 C.
0195 +. TI 2009-09-03 10:32:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.         ¢¢[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °È²¼¤ìÄè%ííñ¤íŸÁŸ§ŸÁŸ¹àìÛ
0200 C.         ¢¢[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0201 C.         ¢¢[HK1_TI_CMD_NUM]          EQ      4
0202 C.         ¢¢[HK1_NEXT_EXEC_PIM]       EQ      DHU
0203 C.         ¢¢[HK1_NEXT_EXEC_DC]       EQ      0xB3
0204 C.
0205 . C. *****
0206 C. TIíí°èŸÁŸÖŸ×
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.         ¢¢[HK1_DMP_TOP_ADRS_1]    EQ      07
0213 C.         ¢¢[HK1_DMP_TOP_ADRS_0]    EQ      2B
0214 C.         ¢¢[HK1_DMP_BLOCK_NUM]     EQ      3
0215 C.         ¢¢[HK1_DMP_REPEAT_NUM]   EQ      0
0216 C.         ¢¢[HK1_DMA_DMP_PIM]       EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC       (07 0b f8)
0219 C.         ¢¢[HK1_PKT_FORM_NO]       EQ      7
0220 C.         ¢¢[HK1_PKT_GEN_TIME]      EQ      0.25 s
0221 C.         ¢¢[HK1_S_TLM_BIT_RATE]   EQ      32k
0222 C.         ¢¢[HK1_X_TLM_BIT_RATE]   EQ      4M
0223 C.         ¢¢[HK1_DMP_CHK_FLG]      EQ      EXEC
0224 C.
0225 . C. ŸÁŸÖŸ×½ªî»¤³îÇ§
0226 C.         ¢¢[HK1_DMP_CHK_FLG]      EQ      NON
0227 C.
0228 . C. RAM ID=TI_TBL¤íŸÈ¹ç.è²ìOK¤³îÇ§
0229 C.
0230 . C. DHUŸà;¼ŸÈ;È¼Ÿ¼.Ÿì;¼ŸÈ;È¤ðì¤¤¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC       (02 0a f8)
0233 C.         ¢¢[HK1_PKT_FORM_NO]       EQ      2
0234 C.         ¢¢[HK1_PKT_GEN_TIME]      EQ      0.5S
0235 C.         ¢¢[HK1_S_TLM_BIT_RATE]   EQ      32K
0236 C.         ¢¢[HK1_X_TLM_BIT_RATE]   EQ      4M
0237 C.
0238 C. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2009-09-03 10:32:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC       (41)
0245 . C. -----
0246 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 . C. Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C. ***** Start EIS operation (TI set) *****
0253 C. Execute, after the success of OP upload.
0254 C. Set EIS TI-commands
0255 +. TI 2009-09-03 10:32:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC       (21 02)
0258 +. TI 2009-09-03 10:32:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC       (22)
0261 . C.         [ ] [HK1_TI_CMD_NUM]    EQ      2 COUNTUP
0262 C. ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2009-09-03 10:32:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC       (c3)
0271 . C.         [ ] [HK1_TI_CMD_NUM]    EQ      1COUNTUP
0272 C.
0273 C. ***** XRT END *****
0274 C.
0275 . C. ***** MDP ´úÃí¤ì»ö¼Ÿ¤¤ÈÁ¤¤¹¤èDCBC.¤²è *****
0276 C. (¼á¤°íŸÖŸÁŸÈŸŸŸŸáŸŸŸŸè¤È%¼¤¤¼Á»Û¤¹¤è)
0277 . S. DC-BC dcbc-402:DCBC
0278      (MDP_known_event)
0279 C.
0280 C.
0281 . C. ***** ŸÐŸ¹.î Daily±çîñ¤È´Ø¤¹¤èDCBC.¤²è *****
0282 . S. DC-BC dcbc-153:DCBC
0283      (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 . C. ¦āLOSŸÁŸ§ŸÁŸ¹¼Á»Û;ä
0287 C.
0288 . C. ***** LOS *****
0289 C.
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-823 2009-09-03 12:03:15 114 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÄY$YÄY-¼Ä»Û;ä
0005 C.
0006 C. YÄY$;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Äí;Èò¿òÄò•µ°È»Í×ÁÇòÍ¥çYÄY×YÍ;¼YÉ;ÈÈè%µ•íÍÈ;ÈòÈ¼°ÇÒò•ò¿¼ì¹çòÍ;çÄ®, ùò¹òèòòòçÄ+¿®ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 . C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-269:MDP_OBS_F
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 C. *****
0036 C. SOT TI command set
0037 C. *****
0038 C. Execute, after the success of TBL upload.
0039 +. TI 2009-09-03 10:32:18.0
0040 DC 07-F0 MDP_SOT_MODE_OBSV
0041 BC (40)
0042 . C. -----
0043 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0044 C. -----
0045 C.
0046 C.
0047 C. ***** XRT START *****
0048 C.
0049 +. DC 07-F0 MDP_XRT_CTRL_MANU
0050 BC (c1)
0051 + DC 07-F0 MDP_XRT_MODE_STBY
0052 BC (c3)
0053 . C. ----- Success Verify ? OK / NG_____
0054 C.
0055 C. XRT Obs. Table Upload
0056 . S. RAM ram-291:MDP_OBS_X
0057 ( )
0058 C.
0059 +. DC 07-F0 MDP_DUMP_XRTTBL
0060 BC (84 07 00 00 00 3a d4)
0061 . C. ----- Comparison Check ? OK / ERR _____
0062 C.
0063 C.
0064 +. DC 07-F0 MDP_XRT_ROI_SET
0065 BC (cd 01 b1 b1 04 04)
0066 + DC 07-F0 MDP_XRT_ROI_SET
0067 BC (cd 02 b1 b1 08 08)
0068 + DC 07-F0 MDP_XRT_ROI_SET
0069 BC (cd 03 b1 b1 08 08)
0070 + DC 07-F0 MDP_XRT_ROI_SET
0071 BC (cd 04 b1 b1 06 06)
0072 + DC 07-F0 MDP_XRT_ROI_SET
0073 BC (cd 06 80 80 20 20)
0074 + DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 07 80 80 06 06)
0076 + DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 08 80 80 08 08)
0078 + DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 09 80 80 20 08)
0080 + DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 0a 80 80 08 20)
0082 + DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0f 80 80 04 04)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 10 80 80 10 10)
0086 . C. ----- Success Verify ? OK / NG _____
0087 C.
0088 C.
0089 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0090 C.
0091 +. DC 07-F0 MDP_XRT_MODE_OBSV
0092 BC (c2)
0093 +. TI 2009-09-03 10:32:02.0
0094 DC 07-F0 MDP_XRT_MODE_OBSV
0095 BC (c2)
```

```
0096 . C. ----- Success Verify ?           OK / NG ____
0097 C.
0098 C. ***** XRT END *****
0099 C.
0100 . C. ***** MDP `uAÎaî»ô¼YœEÂÐa¹aèDCBC•x²è *****
0101 C. (¼ã°iYÓYÃYÈYÞYÈYáYçYéœ¼qœ¼Ã»Ûa¹aè)
0102 . S. DC-BC dcbc-402:DCBC
0103 (MDP_known_event)
0104 C.
0105 C.
0106 . C. ***** YD¥¹•İ Daily±;İÑœÈ'Øa¹aèDCBC•x²è *****
0107 . S. DC-BC dcbc-153:DCBC
0108 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0109 C.
0110 C.
0111 . C. ;ãLOS¥Á¥S¥Ã¥-¼Ã»Û;ã
0112 C.
0113 . C. ***** LOS *****
0114 C.
```

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*** OP Sequence for XRT ***

2009/09/03	10:42:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	10:42:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	10:43:00.0	AOCS_ORe-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	00 ea b9 51 3f		
2009/09/03	10:43:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	10:46:54.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	10:46:56.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/03	10:46:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	10:47:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	10:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	10:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	11:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 f0 29 42 d9		
2009/09/03	11:00:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	11:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	11:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/03	11:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	11:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	11:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	11:14:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	11:15:00.0	AOCS_ORe-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	00 f2 46 33 22		
2009/09/03	11:15:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	11:16:54.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	11:16:56.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/03	11:16:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	11:17:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	11:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	11:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	11:30:00.0	AOCS_ORe-point_Start_4_OG [0x09a]					
		AOCU_NM	5	02-76	00 f3 86 22 d0		
2009/09/03	11:30:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	11:31:54.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	11:31:56.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/03	11:31:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	11:32:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	11:44:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	11:44:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	11:45:00.0	AOCS_ORe-point_Start_5_OG [0x09b]					
		AOCU_NM	5	02-76	00 f4 42 11 fb		
2009/09/03	11:45:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	11:46:54.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	11:46:56.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/03	11:46:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	11:47:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	11:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	11:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	12:00:00.0	AOCS_ORe-point_Start_6_OG [0x09c]					
		AOCU_NM	5	02-76	00 f4 84 00 bc		
2009/09/03	12:00:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	12:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	12:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]					

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2009/09/03	12:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLD_DIS	1	07-F0	d9		
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	12:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	12:14:59.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	12:15:00.5	AOCS_ORe-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00 f4 84 ff 44		
2009/09/03	12:15:01.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	12:15:21.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	12:16:59.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	12:17:01.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/03	12:17:03.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	12:17:05.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	12:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	12:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	12:30:00.0	AOCS_ORe-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	00 f4 42 ee 05		
2009/09/03	12:30:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	12:31:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	12:31:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/03	12:31:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	12:32:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	12:44:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	12:44:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	12:45:00.0	AOCS_ORe-point_Start_9_OG [0x09f]	AOCU_NM	5	02-76	00 f3 86 dd 30		
2009/09/03	12:45:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	12:46:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	12:46:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/03	12:46:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	12:47:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	12:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	12:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	13:00:00.0	AOCS_ORe-point_Start_10_OG [0x0a0]	AOCU_NM	5	02-76	00 f2 46 cc de		
2009/09/03	13:00:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	13:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	13:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/03	13:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	13:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	13:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	13:14:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	13:15:00.0	AOCS_ORe-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	00 f0 29 bd 27		
2009/09/03	13:15:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/09/03	13:16:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/03	13:16:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/03	13:16:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/03	13:17:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/03	13:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/03	13:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/03	13:30:00.0	AOCS_ORe-point_Start_12_OG [0x0a2]	AOCU_NM	5	02-76	00 ea b9 ae c1		
2009/09/03	13:30:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		

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2009/09/03	13:31:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/03	13:31:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/03	13:31:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/03	13:32:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	13:44:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	13:44:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/03	13:45:00.0	AOCS_ORe-point_Start_13_OG [0x0a3]			
		AOCU_NM	5	02-76	00 15 3f 51 37
2009/09/03	13:45:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/03	13:46:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/03	13:46:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/03	13:46:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/03	13:47:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	13:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	13:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/03	14:00:00.0	AOCS_ORe-point_Start_14_OG [0x0a4]			
		AOCU_NM	5	02-76	00 1c 28 40 41
2009/09/03	14:00:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/03	14:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/03	14:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/03	14:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/03	14:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	14:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	14:14:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/03	14:15:00.0	AOCS_ORe-point_Start_15_OG [0x0a5]			
		AOCU_NM	5	02-76	00 1e 24 2f ce
2009/09/03	14:15:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/03	14:16:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/03	14:16:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/03	14:16:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/03	14:17:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	14:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	14:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/03	14:30:00.0	AOCS_ORe-point_Start_16_OG [0x0a6]			
		AOCU_NM	5	02-76	00 1f 53 1f 22
2009/09/03	14:30:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/03	14:31:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/03	14:31:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/03	14:31:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/03	14:32:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	14:44:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	14:44:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/03	14:45:00.0	AOCS_ORe-point_Start_17_OG [0x0a7]			
		AOCU_NM	5	02-76	00 1f f7 0e 2d
2009/09/03	14:45:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/09/03	14:46:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/03	14:46:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/03	14:46:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/03	14:47:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	14:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	14:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/03	15:00:00.5	AOCS_ORe-point_Start_18_OG [0x0a8]			

2009/09/03	15:00:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	AOCU_NM	5	02-76	00	20	18	fc	cd
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	11			
2009/09/03	15:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/03	15:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/03	15:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/03	15:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/03	15:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/03	15:14:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/03	15:15:00.0	AOCS_Orе-point_Start_19_OG [0x0a9]	AOCU_NM	5	02-76	00	1f	f7	f1	d3
2009/09/03	15:15:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/03	15:16:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/03	15:16:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/03	15:16:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/03	15:17:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/03	15:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/03	15:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/03	15:30:00.0	AOCS_Orе-point_Start_20_OG [0x0aa]	AOCU_NM	5	02-76	00	1f	53	e0	de
2009/09/03	15:30:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/03	15:31:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/03	15:31:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/03	15:31:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/03	15:32:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/03	15:44:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/03	15:44:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/03	15:45:00.0	AOCS_Orе-point_Start_21_OG [0x0ab]	AOCU_NM	5	02-76	00	1e	24	d0	32
2009/09/03	15:45:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/03	15:46:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/03	15:46:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/03	15:46:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/03	15:47:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/03	15:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/03	15:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/03	16:00:00.0	AOCS_Orе-point_Start_22_OG [0x0ac]	AOCU_NM	5	02-76	00	1c	28	bf	bf
2009/09/03	16:00:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/03	16:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/03	16:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/03	16:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/03	16:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/03	16:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/03	16:14:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/09/03	16:15:00.0	AOCS_Orе-point_Start_23_OG [0x0ad]	AOCU_NM	5	02-76	00	15	3f	ae	c9
2009/09/03	16:15:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/09/03	16:16:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/03	16:16:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/03	16:16:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/03	16:17:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/03	16:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				

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2009/09/03	16:29:56.0	XRT_FOCUS_POSITION_402_OG [0x192] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/03	16:30:00.0	AOCS_Ore-point_Start_24_OG [0x0ae] AOCU_NM	5	02-76	04 00 00 00 00
2009/09/03	16:30:16.0	XRT_QT_PROG_SET_443_OG [0x1bb] MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2009/09/03	16:32:54.0	XRT_AEC_RESET_415_OG [0x19f] MDP_XRT_AEC_RESET	1	07-F0	d0
2009/09/03	16:32:56.0	XRT_FLD_DIS_419_OG [0x1a3] MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/03	16:32:58.0	XRT_FLRCTRL_DIS_447_OG [0x1bf] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/03	16:33:00.0	XRT_ARS_DIS_446_OG [0x1be] MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/03	16:33:02.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	16:52:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	17:15:30.0	XRT_Custom_430_OG [0x1ae]			
2009/09/03	17:16:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	17:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	17:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba] XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2009/09/03	18:00:00.0	AOCS_Ore-point_Start_25_OG [0x0af] AOCU_NM	5	02-76	00 00 00 00 00
2009/09/03	18:00:16.0	XRT_FLD_DIS_419_OG [0x1a3] MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/03	18:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/03	18:00:20.0	XRT_ARS_DIS_410_OG [0x19a] MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/03	18:02:58.0	XRT_QT_PROG_SET_438_OG [0x1b6] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2009/09/03	18:03:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	18:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	18:09:56.0	XRT_FOCUS_POSITION_402_OG [0x192] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/03	18:10:00.0	AOCS_Ore-point_Start_24_OG [0x0ae] AOCU_NM	5	02-76	04 00 00 00 00
2009/09/03	18:10:16.0	XRT_QT_PROG_SET_443_OG [0x1bb] MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2009/09/03	18:12:54.0	XRT_AEC_RESET_415_OG [0x19f] MDP_XRT_AEC_RESET	1	07-F0	d0
2009/09/03	18:12:56.0	XRT_FLD_DIS_419_OG [0x1a3] MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/03	18:12:58.0	XRT_FLRCTRL_DIS_447_OG [0x1bf] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/03	18:13:00.0	XRT_ARS_DIS_446_OG [0x1be] MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/03	18:13:02.5	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	18:29:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	18:52:30.0	XRT_Custom_430_OG [0x1ae]			
2009/09/03	18:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	20:06:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	20:29:30.0	XRT_Custom_430_OG [0x1ae]			
2009/09/03	20:30:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	21:43:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	22:06:30.0	XRT_Custom_430_OG [0x1ae]			
2009/09/03	22:07:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/03	23:21:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/03	23:38:30.0	XRT_Custom_430_OG [0x1ae]			
2009/09/03	23:39:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	00:56:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	00:58:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	01:05:00.0	XRT_Custom_430_OG [0x1ae]			
2009/09/04	01:06:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	02:20:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	02:41:00.0	XRT_Custom_430_OG [0x1ae]			
2009/09/04	02:42:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	03:51:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	04:18:00.0	XRT_Custom_430_OG [0x1ae]			
2009/09/04	04:19:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	05:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			

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2009/09/04	05:14:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	05:15:00.0	AOCS_OrE-point_Start_25_OG [0x0af]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2009/09/04	05:15:16.0	XRT_FLD_DIS_419_OG [0x1a3]	AOCU_NM	5	02-76	00 00 00 00
2009/09/04	05:15:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/04	05:15:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/04	05:17:58.0	XRT_QT_PROG_SET_412_OG [0x19c]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/04	05:18:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2009/09/04	05:24:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	05:24:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	05:25:00.0	AOCS_OrE-point_Start_26_OG [0x0b0]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2009/09/04	05:25:16.0	XRT_QT_PROG_SET_421_OG [0x1a5]	AOCU_NM	5	02-76	01 00 00 00
2009/09/04	05:27:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2009/09/04	05:27:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/04	05:27:58.0	XRT_ARS_DIS_446_OG [0x1be]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/04	05:28:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/04	05:28:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	05:55:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	05:56:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2009/09/04	07:09:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	07:33:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	07:34:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2009/09/04	08:48:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	09:09:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	09:10:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2009/09/04	10:30:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	10:40:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	10:41:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2009/09/04	11:00:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	11:00:02.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	11:00:22.0	XRT_FLD_DIS_419_OG [0x1a3]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2009/09/04	11:00:24.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	XRT_FLD_DIS_419_OG [0x1a3]	1	07-F0	d9
2009/09/04	11:00:26.0	XRT_ARS_DIS_434_OG [0x1b2]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/04	11:00:28.0	XRT_QT_PROG_SET_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/04	11:00:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10
2009/09/04	11:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	11:14:56.0	XRT_FOCUS_POSITION_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	11:15:00.0	AOCS_OrE-point_Start_27_OG [0x0b1]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/04	11:15:16.0	XRT_QT_PROG_SET_411_OG [0x19b]	AOCU_NM	5	02-76	00 b3 03 00 31
2009/09/04	11:17:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2009/09/04	11:17:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/04	11:17:58.0	XRT_ARS_DIS_446_OG [0x1be]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/04	11:18:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/04	14:20:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	14:24:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	14:25:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2009/09/04	15:52:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	16:15:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	16:16:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2009/09/04	17:28:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
			MDP_XRT_CTRL_MANU	1	07-F0	c1

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2009/09/04	17:52:30.0	XRT_Custom_430_OG [0x1ae]			
2009/09/04	17:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	17:53:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	17:53:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2009/09/04	17:54:00.0	AOCS_ORe-point_Start_25_OG [0x0af]			
		AOCU_NM	5	02-76	00 00 00 00 00
2009/09/04	17:54:16.0	XRT_FLD_DIS_419_OG [0x1a3]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/04	17:54:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/04	17:54:20.0	XRT_ARS_DIS_410_OG [0x19a]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/04	17:56:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2009/09/04	17:57:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	18:03:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	18:03:56.0	XRT_FOCUS_POSITION_402_OG [0x192]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/04	18:04:00.0	AOCS_ORe-point_Start_24_OG [0x0ae]			
		AOCU_NM	5	02-76	04 00 00 00 00
2009/09/04	18:04:16.0	XRT_QT_PROG_SET_443_OG [0x1bb]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2009/09/04	18:06:54.0	XRT_FLD_DIS_419_OG [0x1a3]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/04	18:06:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/04	18:06:58.0	XRT_ARS_DIS_446_OG [0x1be]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/04	18:07:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	19:06:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	19:29:00.0	XRT_Custom_430_OG [0x1ae]			
2009/09/04	19:30:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	19:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	19:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2009/09/04	20:00:00.0	AOCS_ORe-point_Start_28_OG [0x0b2]			
		AOCU_NM	5	02-76	02 00 00 00 00
2009/09/04	20:00:16.0	XRT_QT_PROG_SET_421_OG [0x1a5]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2009/09/04	20:02:54.0	XRT_FLD_DIS_419_OG [0x1a3]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/04	20:02:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/04	20:02:58.0	XRT_ARS_DIS_446_OG [0x1be]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/04	20:03:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	20:43:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	21:06:30.0	XRT_Custom_430_OG [0x1ae]			
2009/09/04	21:07:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	22:20:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	22:42:30.0	XRT_Custom_430_OG [0x1ae]			
2009/09/04	22:43:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	22:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/04	22:59:56.0	XRT_FOCUS_POSITION_402_OG [0x192]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/09/04	23:00:00.0	AOCS_ORe-point_Start_24_OG [0x0ae]			
		AOCU_NM	5	02-76	04 00 00 00 00
2009/09/04	23:00:16.0	XRT_QT_PROG_SET_443_OG [0x1bb]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2009/09/04	23:02:54.0	XRT_FLD_DIS_419_OG [0x1a3]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/09/04	23:02:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/09/04	23:02:58.0	XRT_ARS_DIS_446_OG [0x1be]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/09/04	23:03:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/04	23:58:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/05	00:08:30.0	XRT_Custom_430_OG [0x1ae]			
2009/09/05	00:09:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/05	01:24:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/09/05	01:41:00.0	XRT_Custom_430_OG [0x1ae]			
2009/09/05	01:42:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/09/05	02:57:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			

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2009/09/05	03:17:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/05	03:18:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
2009/09/05	04:26:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/05	04:55:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/05	04:56:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
2009/09/05	05:38:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/05	05:38:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/05	05:39:00.0	AOCS_ORe-point_Start_25_OG [0x0af]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/09/05	05:39:16.0	XRT_FLD_DIS_419_OG [0x1a3]	AOCU_NM	5	02-76	00 00 00 00 00		
2009/09/05	05:39:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/05	05:39:20.5	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/05	05:41:58.5	XRT_QT_PROG_SET_412_OG [0x19c]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/05	05:42:00.5	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08		
2009/09/05	05:48:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/05	05:48:56.0	XRT_FOCUS_POSITION_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/05	05:49:00.0	AOCS_ORe-point_Start_24_OG [0x0ae]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/09/05	05:49:16.0	XRT_QT_PROG_SET_443_OG [0x1bb]	AOCU_NM	5	02-76	04 00 00 00 00		
2009/09/05	05:51:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03		
2009/09/05	05:51:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/09/05	05:51:58.0	XRT_ARS_DIS_446_OG [0x1be]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/09/05	05:52:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/09/05	06:06:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/05	06:32:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/05	06:33:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
2009/09/05	07:47:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/05	08:10:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/05	08:11:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
2009/09/05	09:26:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/05	09:45:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/09/05	09:46:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
2009/09/05	10:33:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/09/05	10:34:00.0	AOCS_ORe-point_Start_25_OG [0x0af]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
		AOCU_NM		5	02-76	00 00 00 00 00		