

XRT Timeline to be uploaded on 2009/09/19

Period: 2009/09/19 10:23:00 - 2009/09/24 09:39:00

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Normal mode

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XOB #1703: QS Dynamics 2-filter - Al/poly 16s, Al/mesh 12s, G-band - 384x384													
Term		Pointing (x, y)					Comment						
09/19 10:36:00 - 09/19 17:59:54		Track (-216.7, -683.2) ^{© 09/19 10:33:00}					# OP start + 10min, track XBP for EIS QS dynamics studies, along with HOP 134 (with Sac P						
PROG= 19 Inf.-time(s)													
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 5 1-time(s) 30.0sec													
Open/Al-mesh		Open/Al-mesh	close	Safe	Norm	11.3s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Al-poly/Open		Al-poly/Open	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Default Filter		Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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						
09/19 18:03:00 - 09/19 22:13:30		Fixed (0.0, 0.0)					synoptic						
09/20 18:03:00 - 09/20 18:09:56		Fixed (0.0, 0.0)					synoptic						
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 #16C8: HOP81 2-filter - Al/poly 16s, Al/mesh 12s, G-band - 384x384													
Term		Pointing (x, y)					Comment						
09/19 22:16:36 - 09/20 02:57:00		Fixed (-10.0, -950.0)					* HOP 81, polar monitoring, S pole.						
PROG= 04 Inf.-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 1 1-time(s) 2.0sec													
Open/G-band		Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 5 60-time(s) 30.0sec													
Open/Al-mesh		Open/Al-mesh	close	Safe	Norm	11.3s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Al-poly/Open		Al-poly/Open	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Default Filter		Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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(1													
Term		Pointing (x, y)					Comment						
09/20 06:15:30 - 09/20 06:22:24		Fixed (0.0, 0.0)					synoptic, shifted 12.5 min						
PROG= 14 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 #1706: Coronal cavity (6 pairs +Gband)-DPCM 2x2-768X768-FOV offset SE(896,904)-AEC2-6.67min cadence												
Term		Pointing (x, y)					Comment					
09/20 06:25:30 - 09/20 17:35:30		Fixed (-770.0, -540.0)					# AR over the E limb, with HOP 134 over 14:30 - 16:30 UT.					
09/20 18:13:00 - 09/21 05:46:24		Fixed (-770.0, -540.0)					# Cont.					

PROG= 09 Inf.-time(s)													
Subr= 1 9-time(s) 400.0sec													
Seqn= 32		1-time(s)		4.0sec									
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	768x768 (896, 904)	DPCM	2	0	2.0sec	
Seqn= 31		1-time(s)		4.0sec									
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	2x2	768x768 (896, 904)	DPCM	2	0	2.0sec	
Seqn= 21		1-time(s)		4.0sec									
C-poly/Open	med-Be/Open	close	Safe	Norm	4.00s	Obs	2x2	768x768 (896, 904)	DPCM	2	0	2.0sec	
Seqn= 70		1-time(s)		2.0sec									
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	768x768 (896, 904)	DPCM	2	0	2.0sec	
Seqn= 14		1-time(s)		4.0sec									
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	768x768 (896, 904)	DPCM	2	0	2.0sec	
Seqn= 89		1-time(s)		2.0sec									
thin-Be/Open	med-Be/Open	close	Safe	Norm	64.0s	Obs	2x2	768x768 (896, 904)	DPCM	0	0	2.0sec	
Subr= 2 1-time(s) 2.0sec													
Seqn= 3		1-time(s)		4.0sec									
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (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 #1707: Synoptic Q95 2x2 - Al/mesh(64/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(256/4096) + G-band(16

Term	Pointing (x, y)	Comment
09/21 05:49:30 - 09/21 05:56:24	Fixed (0.0, 0.0)	synoptic, shifted -13.5 min
09/22 06:03:00 - 09/24 09:39:00	Fixed (0.0, 0.0)	synoptic

PROG= 13 1-time(s)													
Subr= 1 1-time(s) 12.0sec													
Seqn= 15		1-time(s)		4.0sec									
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec	
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=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		

XOB #1708: CME watch - C/poly - 2x2 AEC2/3 - Be/thin - 2x2 - AEC0- 1024FOV_offset(512_512)

Term	Pointing (x, y)	Comment
09/21 05:59:30 - 09/21 17:48:54	Track (-109.3, 0.5) @ 09/21 05:56:30	# HOP 137, EIS studies of network evolution; 24 hours. Drive-by synoptic at 17:49:00 on 21

PROG= 08 Inf.-time(s)													
Subr= 1 20-time(s) 2.0sec													
Seqn= 44		1-time(s)		300.0sec									
thin-Be/Open	med-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	1024x1024 (512, 512)	DPCM	0	0	2.0sec	
Seqn= 57		1-time(s)		4.0sec									
C-poly/Open	C-poly/Open	close	Safe	Norm	2.00s	Obs	2x2	1024x1024 (512, 512)	DPCM	2	0	2.0sec	
C-poly/Open	C-poly/Open	close	Safe	Norm	177ms	Obs	2x2	1024x1024 (512, 512)	DPCM	3	0	2.0sec	
Subr= 2 1-time(s) 2.0sec													
Seqn= 11		1-time(s)		4.0sec									
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	1024x1024 (512, 512)	Q=90	0	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
09/21 17:52:00 - 09/21 18:00:00	Track (-109.3, 0.5) @ 09/21 05:56:30	# HOP 137, EIS studies of network evolution; 24 hours. Drive-by synoptic at 17:49:00 on 21

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		

XOB #161B: High Temperature Plasma Study - Med-Be (12s) + Med-AI (32s) - Darks - no AEC - low cadence

Term	Pointing (x, y)	Comment
09/21 18:03:06 - 09/21 21:27:00	Track (-109.3, 0.5) ^{09/21 05:56:30}	# HOP 137, EIS studies of network evolution; 24 hours. Drive-by synoptic at 17:49:00 on 21
PROG= 18 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-AI/Open	med-AI/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

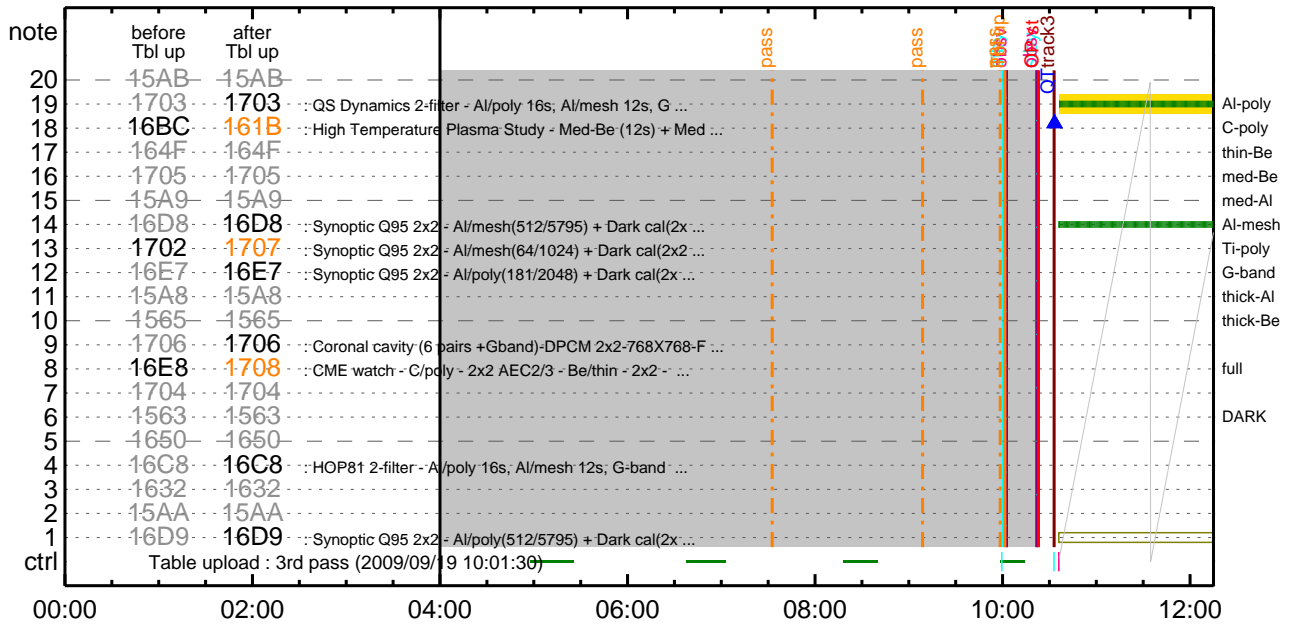
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Flare Detection

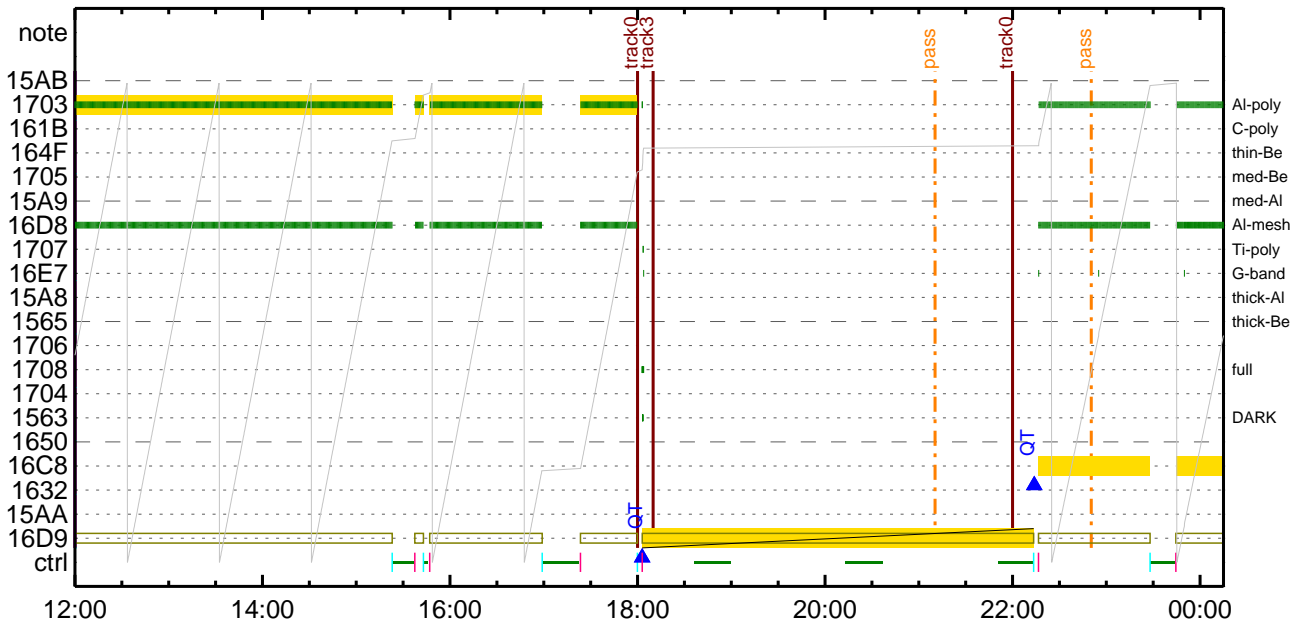
* * * * *

NOT USED

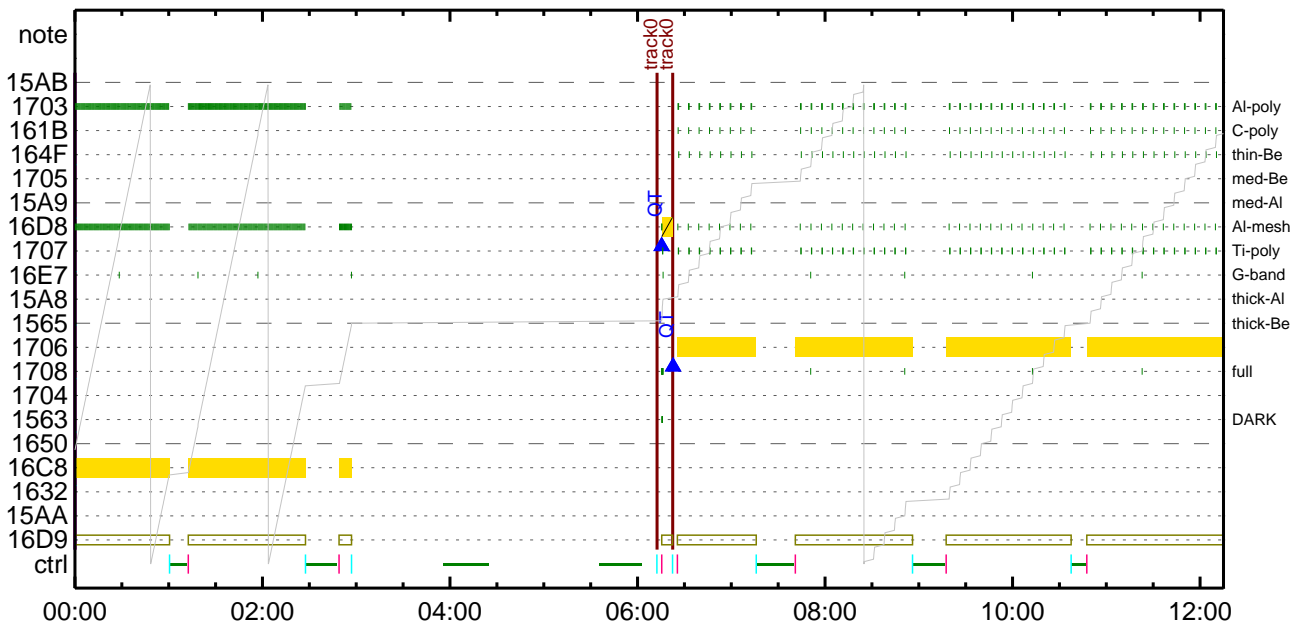
CMDI #0807 2009/09/19



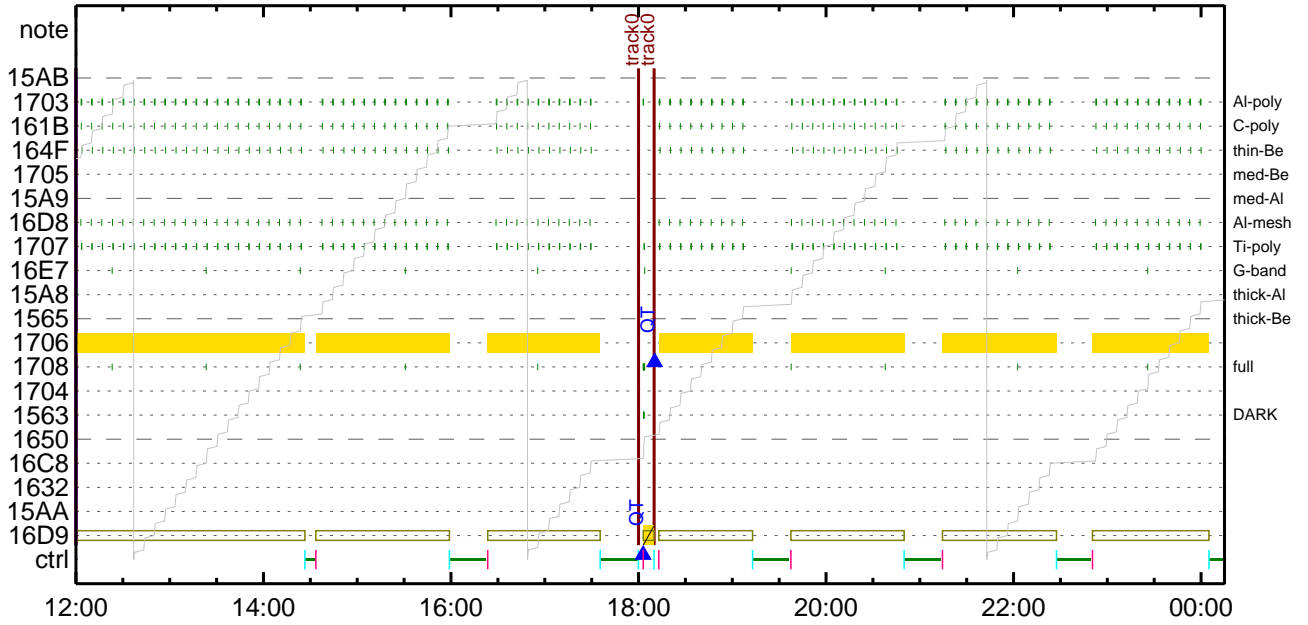
CMDI #0807 2009/09/19



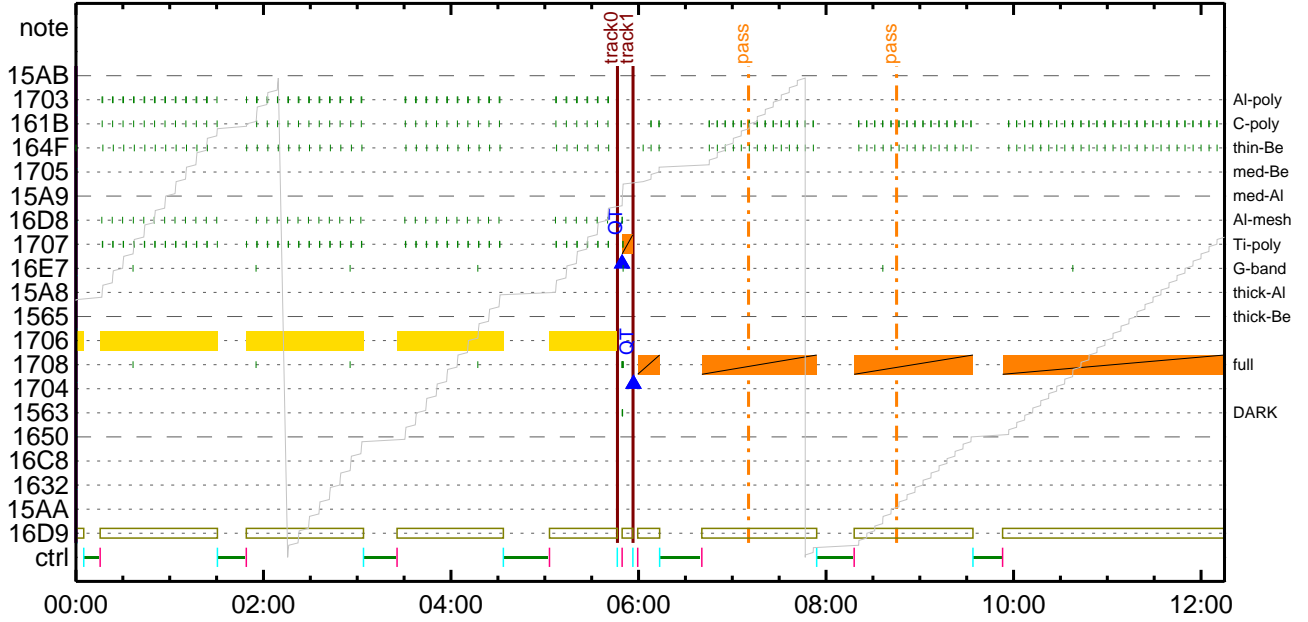
CMDI #0807 2009/09/20



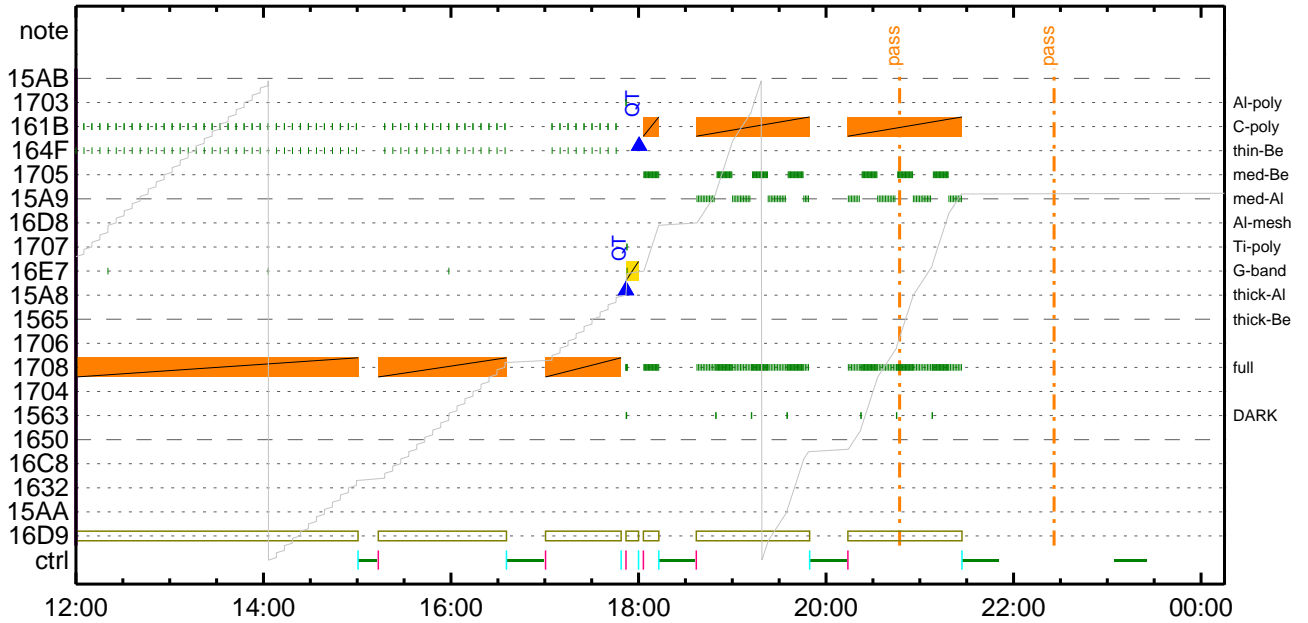
CMDI #0807 2009/09/20



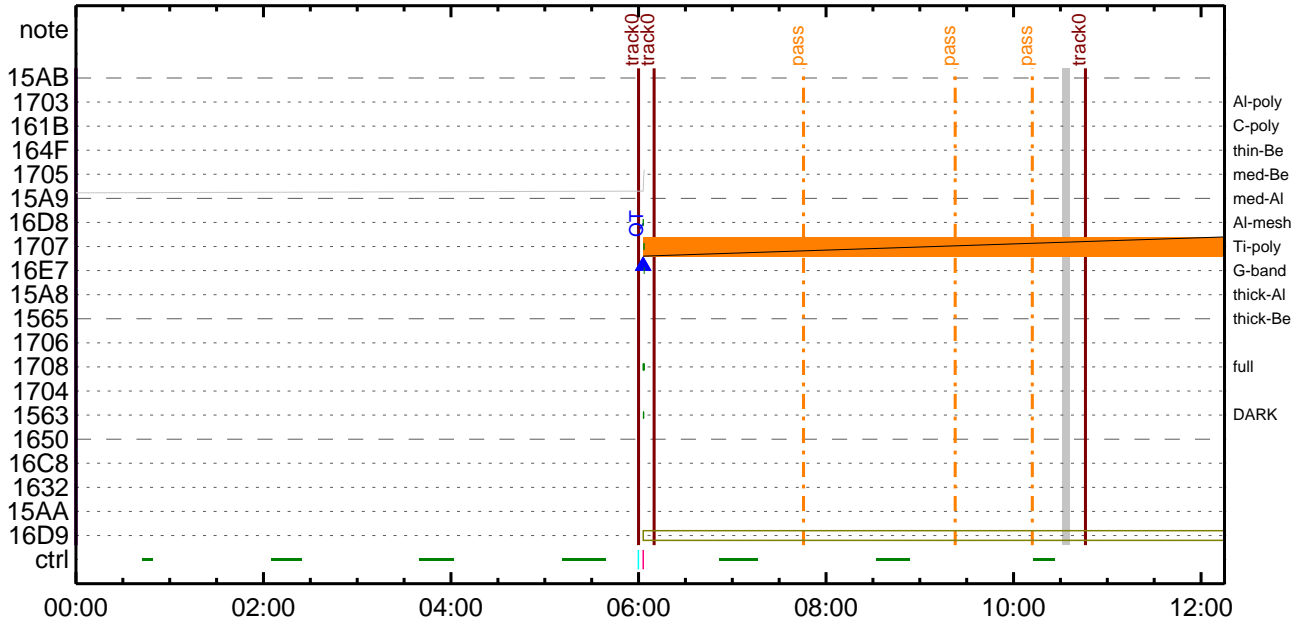
CMDI #0807 2009/09/21



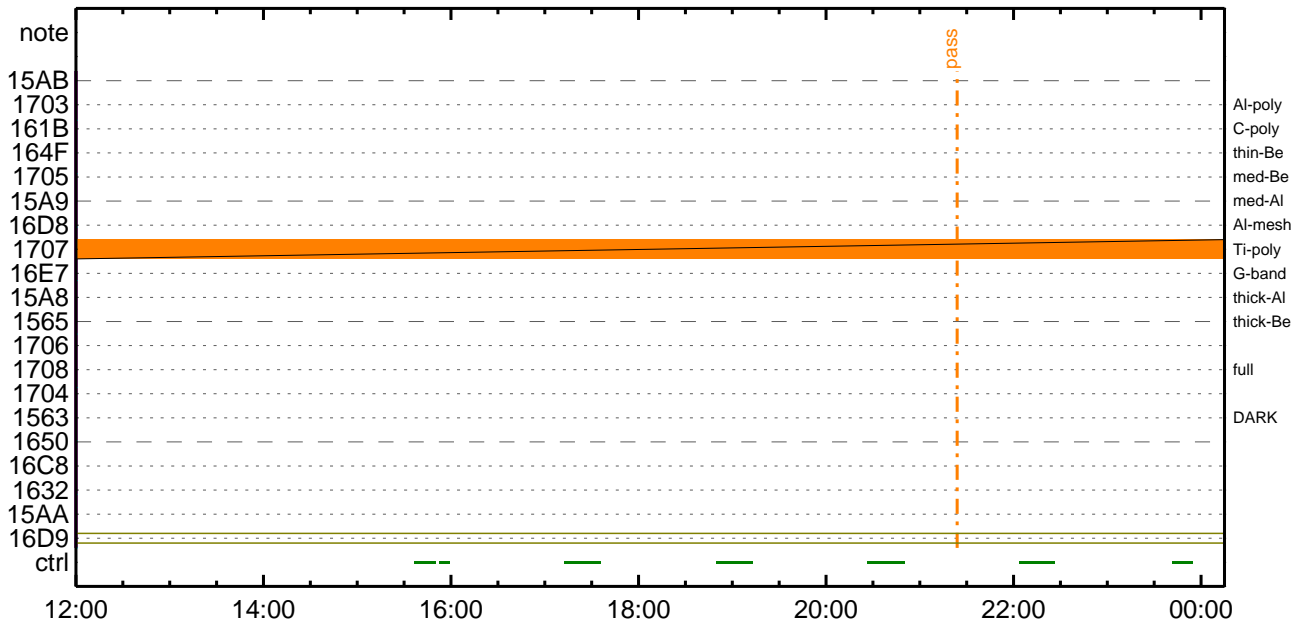
CMDI #0807 2009/09/21



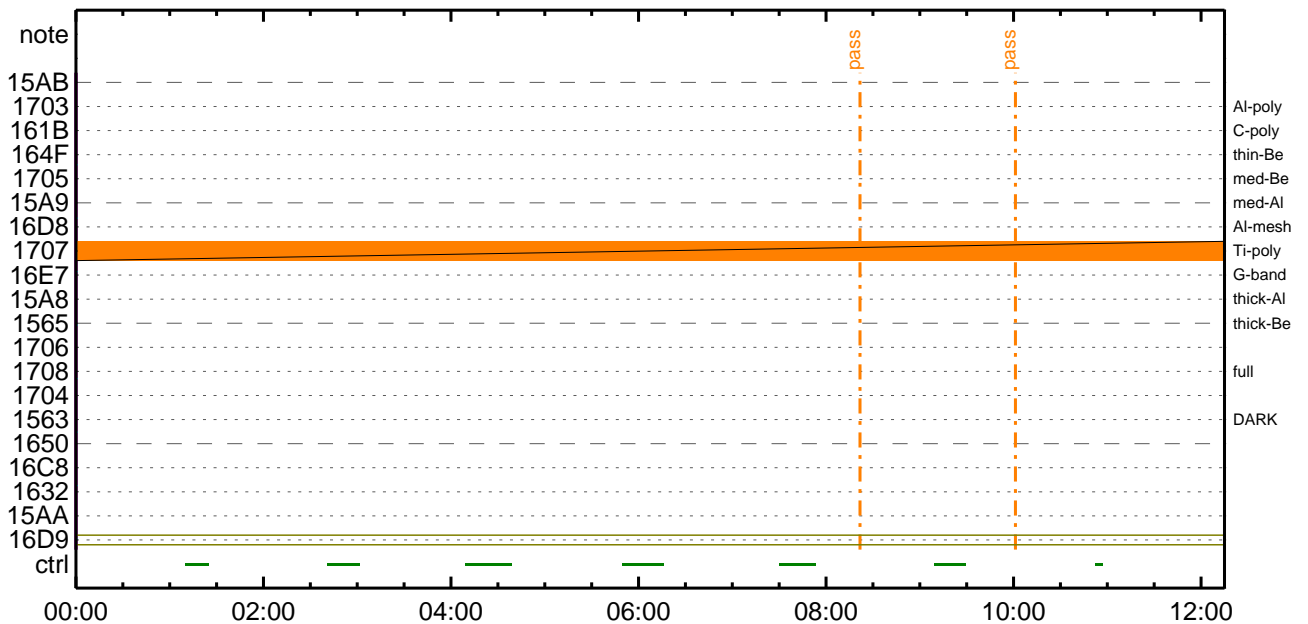
CMDI #0807 2009/09/22



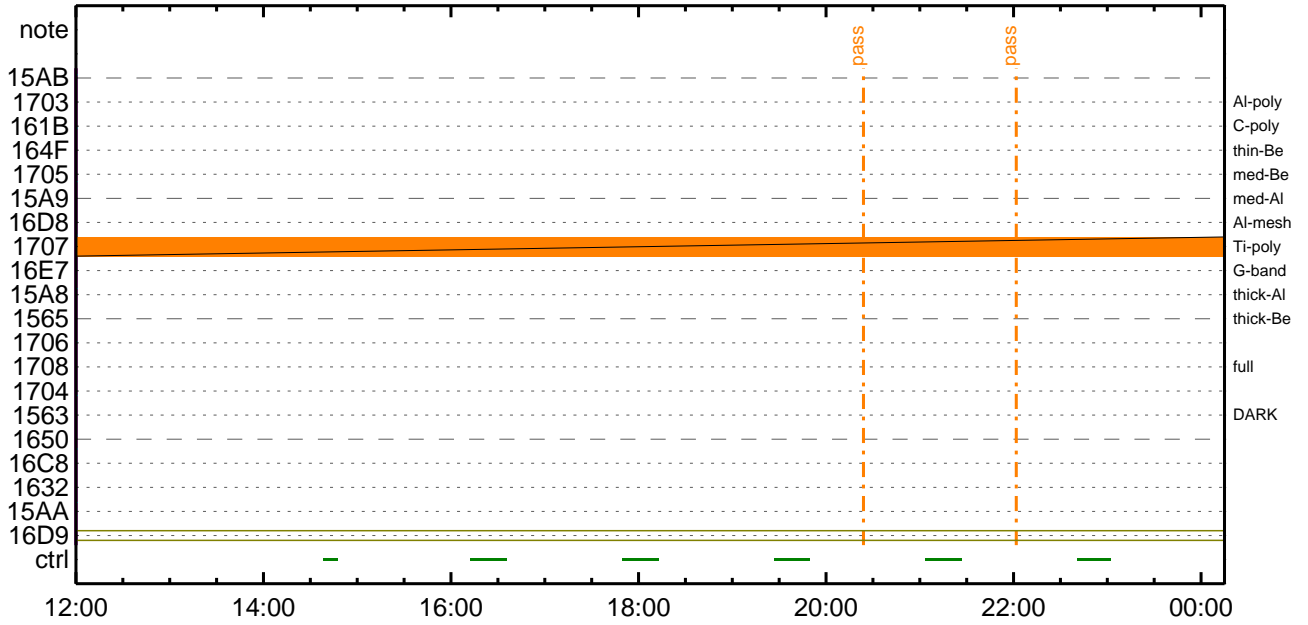
CMDI #0807 2009/09/22



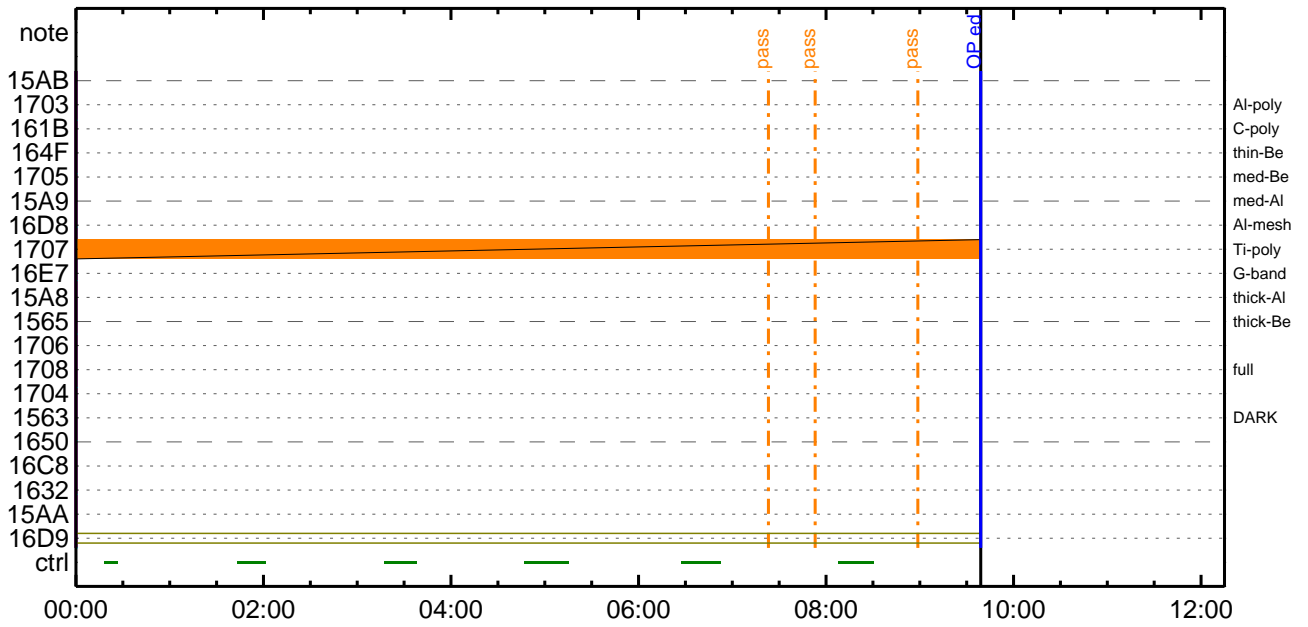
CMDI #0807 2009/09/23



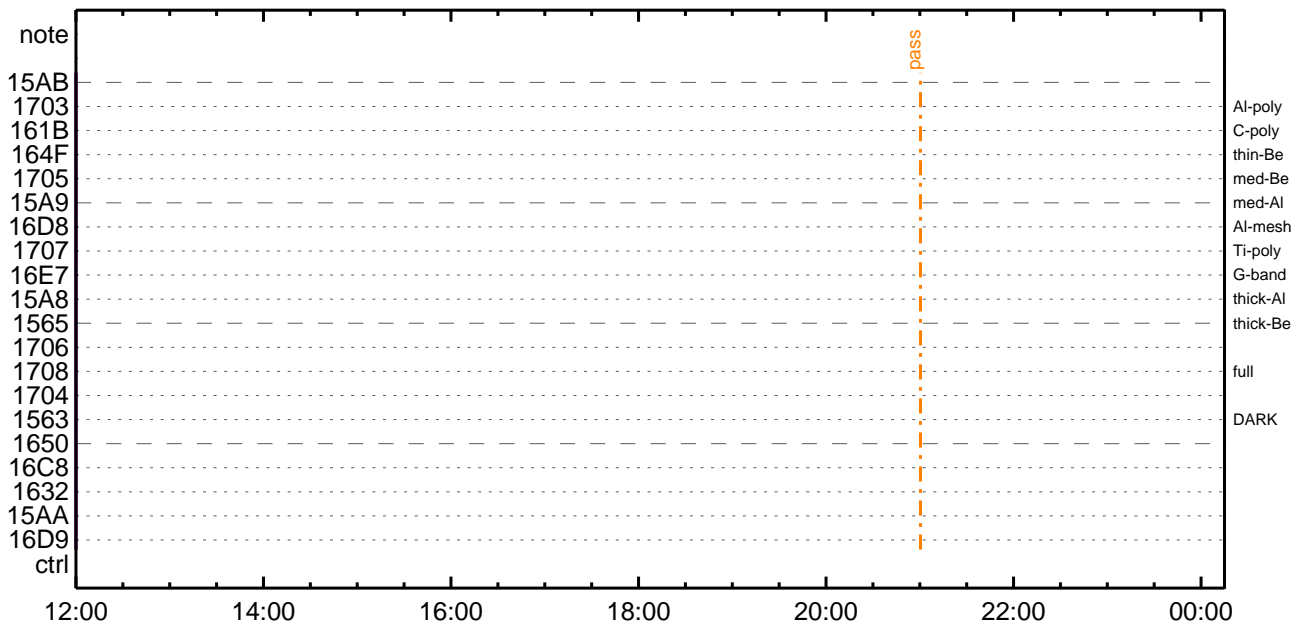
CMDI #0807 2009/09/23



CMDI #0807 2009/09/24



CMDI #0807 2009/09/24




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE; |YAYOX
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-858:OP
0104 ( )
0105 S. OG og-858:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°eYAYOX;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. YAYOXx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î¼E¹ç.ë²îOKò³îÇ§
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. YAYOXx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î¼E¹ç.ë²îOKò³îÇ§
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. YAYOXx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î¼E¹ç.ë²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî¼Ã'¶Á°òEÉ-ò°Á÷¿@ (¼áµ-YAYOXx½ªî»ò³îÇ§²¼òî¼Ã'¶Á°òEÉ-ò°Á÷¿@) *****
0167 C. DHU¥â;¼YE;E¼Y½, ¥i;¼YE;Eòîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ; § OPOG UPLOAD²-Á÷¿@NG²î¼E¹ç; ç°E²¼òî¼TI-CMDÁ÷¿@²î¼E¹ç²¼òî¼E¹ç²¼òî¼E¹ç; §
0180 C.
0181 C.
0182 C. TIY³YpYóYEòòÁDî¿¿(UT)
0183 +. TI 2009-09-19 10:18:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2009-09-19 10:18:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2009-09-19 10:18:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
```

```
0194 C.
0195 +. TI 2009-09-19 10:22:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]                      EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αİÄë%İİñαİŷÄŷ§ŷÄŷ-¹àİŰ
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°èŷÄŷÖŷ×
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. ŷÄŷÖŷ×½ªİ»αò³İÇ§
0226 C.          çç[HK1_DMP_CHK_FLG]                      EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαİŷÈ¹ç•è²İOKαò³İÇ§
0229 C.
0230 C. DHUŷâ;¼ŷÈ;È¼ŷ¼. ŷİ;¼ŷÈ;Èαòİāα¹
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. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2009-09-19 10:22:16.0
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 2009-09-19 10:22:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2009-09-19 10:22:40.0
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 2009-09-19 10:22:00.0
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 ´úÄİαİ»ö¼ŷαÈÄα¹αèDCBC•x²è *****
0276 C. (¼ª°İŷÖŷÄŷÈŷŷÈŷÄŷçŷèè¼αα¼Ä»Űα¹è)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷĐŷ¹.İ Daily±çİñèÈ'Øα¹αèDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷ§ŷÄŷ-¼Ä»Ű;ã
0287 C.
0288 C. ***** LOS *****
0289 C.
```



```
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 56s
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 2009-09-19 10:22:50.0
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 'uAÎpÎ»ö¼ÝpËÂÐp¹eDCBC•x²è *****
0153 C. (¼á°IÏÓYÄYËYpYËYÄYçYèpË¼q¼Ä»Ûp¹è)
0154 . S. DC-BC dcbc-402:DCBC
0155 (MDP_known_event)
0156 C.
0157 C.
0158 . C. ***** YDÝ¹•I Daily±¿ÎÑpË'Øp¹eDCBC•x²è *****
0159 . S. DC-BC dcbc-153:DCBC
0160 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0161 C.
0162 C.
0163 . C. ;ãLOSŸÄŸSŸÄŸ-¼Ä»Û;ã
0164 C.
0165 . C. ***** LOS *****
0166 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-860 2009-09-19 15:00:56 116 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYSYÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;È¤¿¤Á¤•µ°È»Í×ÁÇ¤Í¥ÇYÁY×YÍ;¼YÉ;ÈÈ¤µ•ííÈ;È¤È¼°ÇÖ¤•¤¿¼l¹ç¤í;çÀ®), ù¤¹¤è¤¤¤¤ÇÁ+¿®¤•¤È¤¤¤³¤È;f
0011 +. DC 02-8E AOCC_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-267:MDP_OBS_F
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 C. *****
0036 C. SOT TI command set
0037 C. *****
0038 C. Execute, after the success of TBL upload.
0039 +. TI 2009-09-19 10:22:18.0
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 85 83 06 06)
0074 + DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 07 80 80 20 20)
0076 + DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 08 80 80 20 08)
0078 + DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 09 80 80 08 20)
0080 + DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 0a 70 71 0c 0c)
0082 + DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0b 40 40 10 10)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0f 80 80 04 04)
0086 + DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 10 80 80 10 10)
0088 . C. ----- Success Verify ? OK / NG ____
0089 C.
0090 C.
0091 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0092 C.
0093 +. DC 07-F0 MDP_XRT_MODE_OBSV
0094 BC (c2)
0095 +. TI 2009-09-19 10:22:02.0
```

0096 DC 07-F0 MDP_XRT_MODE_OBSV
0097 BC (c2)
0098 . C. ----- Success Verify ? OK / NG ____
0099 C.
0100 C. ***** XRT END *****
0101 C.
0102 . C. ***** MDP `úÃîñî»ò¼ŸñĒĀĐñ¹ñēDCBC•x²è *****
0103 C. (¼á°îŸÓŸĀŸĒŸŸĒŸĀŸçŸēñĒ¼ñ¼Ā»Ūñ¹ñē)
0104 . S. DC-BC dcbc-402:DCBC
0105 (MDP_known_event)
0106 C.
0107 C.
0108 . C. ***** ŸĐŸ¹•Ī Daily±;ĪññĒ`Øñ¹ñēDCBC•x²è *****
0109 . S. DC-BC dcbc-153:DCBC
0110 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0111 C.
0112 C.
0113 . C. ;ãLOSŸĀŸŸŸĀŸ-¼Ā»Ū;ã
0114 C.
0115 . C. ***** LOS *****
0116 C.

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*** OP Sequence for XRT ***

2009/09/19	10:32:54.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/19	10:32:56.0	XRT_FOCUS_POSITION_402_OG [0x192]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2009/09/19	10:33:00.0	AOCS_ORe-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	03 00 00 00 00			
2009/09/19	10:33:16.0	XRT_QT_PROG_SET_409_OG [0x199]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13			
2009/09/19	10:35:52.0	XRT_AEC_RESET_415_OG [0x19f]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2009/09/19	10:35:54.0	XRT_FLD_DIS_419_OG [0x1a3]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/09/19	10:35:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/09/19	10:35:58.0	XRT_ARS_DIS_446_OG [0x1be]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/09/19	10:36:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/09/19	15:23:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/19	15:36:30.0	XRT_Custom_430_OG [0x1ae]						
2009/09/19	15:37:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/09/19	15:43:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/19	15:46:00.0	XRT_Custom_430_OG [0x1ae]						
2009/09/19	15:47:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/09/19	16:59:00.5	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/19	17:22:30.0	XRT_Custom_430_OG [0x1ae]						
2009/09/19	17:23:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/09/19	17:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/19	17:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2009/09/19	18:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2009/09/19	18:00:16.0	XRT_FLD_DIS_419_OG [0x1a3]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/09/19	18:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/09/19	18:00:20.0	XRT_ARS_DIS_410_OG [0x19a]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/09/19	18:02:58.0	XRT_QT_PROG_SET_400_OG [0x190]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01			
2009/09/19	18:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/09/19	18:10:00.0	AOCS_ORe-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	03 00 00 00 00			
2009/09/19	22:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]						
		AOCU_NM	5	02-76	00 54 72 00 e5			
2009/09/19	22:13:30.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/19	22:13:32.0	XRT_FOCUS_POSITION_402_OG [0x192]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2009/09/19	22:13:52.0	XRT_QT_PROG_SET_413_OG [0x19d]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04			
2009/09/19	22:16:28.0	XRT_AEC_RESET_415_OG [0x19f]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2009/09/19	22:16:30.0	XRT_FLD_DIS_419_OG [0x1a3]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/09/19	22:16:32.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/09/19	22:16:34.0	XRT_ARS_DIS_446_OG [0x1be]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/09/19	22:16:36.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/09/19	23:28:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/19	23:43:30.0	XRT_Custom_430_OG [0x1ae]						
2009/09/19	23:44:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/09/20	01:00:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/20	01:11:30.0	XRT_Custom_430_OG [0x1ae]						
2009/09/20	01:12:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/09/20	02:27:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/20	02:48:00.0	XRT_Custom_430_OG [0x1ae]						
2009/09/20	02:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/09/20	02:57:00.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/20	06:12:24.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/09/20	06:12:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2009/09/20	06:12:30.0	AOCS_ORe-point_Start_2_OG [0x098]						

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2009/09/20	06:12:46.0	XRT_FLD_DIS_419_OG [0x1a3]	AOCU_NM	5	02-76	00	00	00	00	00
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/09/20	06:12:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/09/20	06:12:50.0	XRT_ARS_DIS_410_OG [0x19a]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/09/20	06:15:28.0	XRT_QT_PROG_SET_426_OG [0x1aa]		2	07-F0	c4	0e			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	0e			
2009/09/20	06:15:30.0	XRT_CTRL_AUTO_403_OG [0x193]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/09/20	06:22:24.0	XRT_CTRL_MANU_428_OG [0x1ac]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/09/20	06:22:26.0	XRT_FOCUS_POSITION_402_OG [0x192]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2009/09/20	06:22:30.0	AOCS_OrE-point_Start_4_OG [0x09a]		5	02-76	00	2f	ff	44	72
		AOCU_NM		5	02-76	00	2f	ff	44	72
2009/09/20	06:22:46.0	XRT_QT_PROG_SET_407_OG [0x197]		2	07-F0	c4	09			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	09			
2009/09/20	06:25:22.0	XRT_AEC_RESET_415_OG [0x19f]		1	07-F0	d0				
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2009/09/20	06:25:24.0	XRT_FLD_DIS_419_OG [0x1a3]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/09/20	06:25:26.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/09/20	06:25:28.0	XRT_ARS_DIS_446_OG [0x1be]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/09/20	06:25:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/09/20	07:16:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/09/20	07:40:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
2009/09/20	07:41:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/09/20	08:56:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/09/20	09:16:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
2009/09/20	09:17:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/09/20	10:37:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/09/20	10:46:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
2009/09/20	10:47:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/09/20	14:26:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/09/20	14:32:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
2009/09/20	14:33:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/09/20	15:59:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/09/20	16:22:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
2009/09/20	16:23:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/09/20	17:35:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/09/20	17:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/09/20	17:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]		4	07-F8	22	ff	aa	00	
		XRT_FOCUS_POSITION		4	07-F8	22	ff	aa	00	
2009/09/20	18:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]		5	02-76	00	00	00	00	00
		AOCU_NM		5	02-76	00	00	00	00	00
2009/09/20	18:00:16.0	XRT_FLD_DIS_419_OG [0x1a3]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/09/20	18:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/09/20	18:00:20.0	XRT_ARS_DIS_410_OG [0x19a]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/09/20	18:02:58.0	XRT_QT_PROG_SET_400_OG [0x190]		2	07-F0	c4	01			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	01			
2009/09/20	18:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/09/20	18:09:56.0	XRT_CTRL_MANU_428_OG [0x1ac]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/09/20	18:09:58.0	XRT_FOCUS_POSITION_402_OG [0x192]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2009/09/20	18:10:00.0	AOCS_OrE-point_Start_4_OG [0x09a]		5	02-76	00	2f	ff	44	72
		AOCU_NM		5	02-76	00	2f	ff	44	72
2009/09/20	18:10:18.0	XRT_QT_PROG_SET_407_OG [0x197]		2	07-F0	c4	09			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	09			
2009/09/20	18:12:54.0	XRT_FLD_DIS_419_OG [0x1a3]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/09/20	18:12:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/09/20	18:12:58.0	XRT_ARS_DIS_446_OG [0x1be]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/09/20	18:13:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/09/20	19:13:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/09/20	19:36:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
2009/09/20	19:37:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				

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2009/09/20	20:50:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/20	21:13:30.0	XRT_Custom_430_OG [0x1ae]							
2009/09/20	21:14:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/20	22:27:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/20	22:49:30.5	XRT_Custom_430_OG [0x1ae]							
2009/09/20	22:50:30.5	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	00:05:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	00:14:30.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	00:15:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	01:30:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	01:48:00.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	01:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	03:04:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	03:24:30.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	03:25:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	04:33:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	05:02:00.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	05:03:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	05:46:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	05:46:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/09/21	05:46:30.0	AOCS_Orе-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/09/21	05:46:46.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/21	05:46:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/21	05:46:50.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/21	05:49:28.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2009/09/21	05:49:30.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	05:56:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	05:56:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/09/21	05:56:30.0	AOCS_Orе-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2009/09/21	05:56:46.0	XRT_QT_PROG_SET_412_OG [0x19c]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2009/09/21	05:59:22.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/09/21	05:59:24.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/21	05:59:26.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/21	05:59:28.0	XRT_ARS_DIS_446_OG [0x1be]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/21	05:59:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	06:13:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	06:39:30.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	06:40:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	07:54:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	08:17:00.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	08:18:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	09:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	09:52:00.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	09:53:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	15:00:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	15:12:30.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	15:13:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	16:35:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	16:59:30.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	17:00:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	17:48:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	17:48:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				

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2009/09/21	17:49:16.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/21	17:49:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/21	17:49:20.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/21	17:51:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2009/09/21	17:52:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	18:00:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	18:00:02.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/09/21	18:00:22.0	XRT_QT_PROG_SET_401_OG [0x191]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2009/09/21	18:03:00.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/21	18:03:02.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/21	18:03:04.0	XRT_ARS_DIS_446_OG [0x1be]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/21	18:03:06.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	18:13:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	18:36:00.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	18:37:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	19:49:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/21	20:13:00.0	XRT_Custom_430_OG [0x1ae]							
2009/09/21	20:14:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/21	21:27:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/22	05:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/09/22	05:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/09/22	06:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/09/22	06:00:16.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/09/22	06:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/09/22	06:00:20.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/09/22	06:02:58.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2009/09/22	06:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/09/22	06:10:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 2f ff 44 72				
2009/09/22	10:46:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				