

# XRT Timeline to be uploaded on 2009/07/21

Period: 2009/07/21 10:45:00 - 2009/07/25 10:15:00

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## Normal mode

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XOB #1632: Synoptic Q95 2x2 - Al/mesh (4096) + Dark cal(256 Q98) + Ti-poly (8192)												
Term	Pointing (x, y)		Comment									
07/21 17:53:00 - 07/21 17:59:54	Fixed ( -528.4, -528.4)		Quadra SE (X-ray only)									
07/21 18:13:00 - 07/21 18:19:54	Fixed ( 528.4, -528.4)		Quadra SW (X-ray only)									
07/21 18:23:00 - 07/21 18:29:54	Fixed ( 528.4, 528.4)		Quadra NW (X-ray only)									
07/21 18:33:00 - 07/21 18:39:30	Fixed ( -528.4, 528.4)		Quadra NE (X-ray only)									
07/22 08:24:00 - 07/22 08:30:54	Fixed ( -528.4, -528.4)		XRT SE Quadrant									
07/22 08:34:00 - 07/22 08:40:54	Fixed ( 528.4, -528.4)		XRT SW Quadrant									
07/22 08:44:00 - 07/22 08:50:54	Fixed ( 528.4, 528.4)		XRT NW Quadrant									
07/22 08:54:00 - 07/22 09:04:54	Fixed ( -528.4, 528.4)		XRT NE Quadrant									
<b>PROG= 03 1-time(s)</b>												
└─ <b>Subr= 1 1-time(s) 12.0sec</b>												
└─ <b>Seqn= 84 1-time(s) 4.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Seqn= 50 1-time(s) 2.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Seqn= 61 1-time(s) 4.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1638: Synoptic 9 Filter- 2x2 Q98 Longer exp												
Term	Pointing (x, y)		Comment									
07/21 18:00:24 - 07/21 18:09:54	Fixed ( 0.0, 0.0)		synoptic (9 filters)									
07/22 09:05:24 - 07/22 09:18:30	Fixed ( 0.0, 0.0)		synoptic shifted manually because of the eclipse obs.									
<b>PROG= 19 1-time(s)</b>												
└─ <b>Subr= 1 1-time(s) 180.0sec</b>												
└─ <b>Seqn= 39 1-time(s) 30.0sec</b>												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Seqn= 19 1-time(s) 30.0sec</b>												
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	707ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Seqn= 6 1-time(s) 30.0sec</b>												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Seqn= 52 1-time(s) 30.0sec</b>												
C-poly/Open	C-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
C-poly/Open	med-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Seqn= 90 1-time(s) 30.0sec</b>												
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Seqn= 55 1-time(s) 30.0sec</b>												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Subr= 2 1-time(s) 360.0sec</b>												
└─ <b>Seqn= 20 1-time(s) 4.0sec</b>												
med-Al/Open	med-Al/Open	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Seqn= 45 1-time(s) 4.0sec</b>												
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Seqn= 50 1-time(s) 4.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ <b>Seqn= 92 1-time(s) 4.0sec</b>												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #16D7: Eclipse 20090722-1												
Term	Pointing (x, y)		Comment									
07/22 00:48:00 - 07/22 01:13:30	Fixed ( 0.0, 0.0)		# Cont HOP122.									
<b>PROG= 14 1-time(s)</b>												
└─ <b>Subr= 1 1-time(s) 60.0sec</b>												
└─ <b>Seqn= 33 2-time(s) 30.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Dark	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Dark	2.00s	Obs	2x2	512x512 (1024, 256)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=92	0	0	2.0sec
└─ <b>Subr= 2 1-time(s) 2.0sec</b>												
└─ <b>Seqn= 94 12-time(s) 16.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	512x512 (1024, 256)	Q=95	0	0	2.0sec
└─ <b>Seqn= 9 68-time(s) 16.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=92	0	0	2.0sec
└─ <b>Subr= 1 1-time(s) 60.0sec</b>												
└─ <b>Seqn= 33 2-time(s) 30.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Dark	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Dark	2.00s	Obs	2x2	512x512 (1024, 256)	Q=98	0	0	2.0sec

Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=92	0	0	2.0sec
<b>Subr= 3 1-time(s) 2.0sec</b>												
<b>Seqn= 94 10-time(s) 16.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	512x512 (1024, 256)	Q=95	0	0	2.0sec
<b>Subr= 1 1-time(s) 2.0sec</b>												
<b>Seqn= 33 2-time(s) 30.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Dark	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Dark	2.00s	Obs	2x2	512x512 (1024, 256)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=92	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #1698: Coronal cavity (6 pairs +Gband)-DPCM 2x2-768X768-FOV offset NE(896,1124)-long exposures-6.67min cadence**

Term	Pointing (x, y)	Comment										
07/22 01:59:00 - 07/22 02:49:00	Fixed ( -730.0, 545.0)	NE cavity obs for HOP127.										
<b>PROG= 02 Inf.-time(s)</b>												
<b>Subr= 1 9-time(s) 400.0sec</b>												
<b>Seqn= 43 1-time(s) 4.0sec</b>												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	2x2	768x768 (896, 1128)	DPCM	0	0	2.0sec
<b>Seqn= 97 1-time(s) 4.0sec</b>												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	768x768 (896, 1128)	DPCM	0	0	2.0sec
<b>Seqn= 56 1-time(s) 4.0sec</b>												
C-poly/Open	med-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	768x768 (896, 1128)	DPCM	0	0	2.0sec
<b>Seqn= 53 1-time(s) 2.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	16.0s	Obs	2x2	768x768 (896, 1128)	DPCM	0	0	2.0sec
<b>Seqn= 64 1-time(s) 4.0sec</b>												
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	22.6s	Obs	2x2	768x768 (896, 1128)	DPCM	0	0	2.0sec
<b>Seqn= 34 1-time(s) 2.0sec</b>												
thin-Be/Open	med-Be/Open	close	Safe	Norm	64.0s	Obs	2x2	768x768 (896, 1128)	DPCM	0	0	2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>												
<b>Seqn= 3 1-time(s) 4.0sec</b>												
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 #16E1: Coronal cavity-HOP125-(6 pairs +Gband)-DPCM 2x2-1024x1024-FOV offset NW-very long exposures-10min cad-corrected**

Term	Pointing (x, y)	Comment										
07/22 03:20:00 - 07/22 04:18:00	Fixed ( 785.0, 460.0)	NW cavity obs for HOP127.										
<b>PROG= 18 Inf.-time(s)</b>												
<b>Subr= 1 7-time(s) 600.0sec</b>												
<b>Seqn= 60 1-time(s) 4.0sec</b>												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	11.3s	Obs	2x2	1024x1024 (928, 1128)	DPCM	0	0	2.0sec
<b>Seqn= 46 1-time(s) 4.0sec</b>												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	16.0s	Obs	2x2	1024x1024 (928, 1128)	DPCM	0	0	2.0sec
<b>Seqn= 71 1-time(s) 4.0sec</b>												
C-poly/Open	med-Be/Open	close	Safe	Norm	22.6s	Obs	2x2	1024x1024 (928, 1128)	DPCM	0	0	2.0sec
<b>Seqn= 24 1-time(s) 2.0sec</b>												
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	22.6s	Obs	2x2	1024x1024 (928, 1128)	DPCM	0	0	2.0sec
<b>Seqn= 26 1-time(s) 4.0sec</b>												
Al-poly/Ti-poly	Open/Open	close	Safe	Norm	32.0s	Obs	2x2	1024x1024 (928, 1128)	DPCM	0	3	2.0sec
<b>Seqn= 30 1-time(s) 2.0sec</b>												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	64.0s	Obs	2x2	1024x1024 (928, 1128)	DPCM	0	0	2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>												
<b>Seqn= 3 1-time(s) 4.0sec</b>												
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 #16E3: Coronal cavity (6 pairs)-HOP125-DPCM 2x2-768X768-FOV 3min cad-better**

Term	Pointing (x, y)	Comment										
07/22 04:58:30 - 07/22 05:58:30	Fixed ( -930.0, 0.0)	East limb obs for HOP125.										
07/22 06:37:00 - 07/22 08:20:54	Fixed ( 850.0, -400.0)	SW cavity obs for HOP127.										
07/22 09:54:00 - 07/22 11:04:30	Fixed ( 595.0, -745.0)	Boundary of Helimet streamer and coronal hole.										
<b>PROG= 11 Inf.-time(s)</b>												
<b>Subr= 1 9-time(s) 180.0sec</b>												
<b>Seqn= 82 1-time(s) 4.0sec</b>												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	2x2	768x768 (1024, 1024)	DPCM	0	0	2.0sec
<b>Seqn= 72 1-time(s) 4.0sec</b>												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	11.3s	Obs	2x2	768x768 (1024, 1024)	DPCM	0	0	2.0sec
<b>Seqn= 37 1-time(s) 4.0sec</b>												
C-poly/Open	med-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	768x768 (1024, 1024)	DPCM	0	0	2.0sec
<b>Seqn= 63 1-time(s) 2.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	16.0s	Obs	2x2	768x768 (1024, 1024)	DPCM	0	0	2.0sec
<b>Seqn= 17 1-time(s) 4.0sec</b>												
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	22.6s	Obs	2x2	768x768 (1024, 1024)	DPCM	0	0	2.0sec
<b>Seqn= 42 1-time(s) 2.0sec</b>												
thin-Be/Open	med-Be/Open	close	Safe	Norm	64.0s	Obs	2x2	768x768 (1024, 1024)	DPCM	0	0	2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>												
<b>Seqn= 3 1-time(s) 4.0sec</b>												

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 #16E0: Coronal cavity (6 pairs)-HOP125-DPCM 2x2-768X768-FOV 5min cadence**

Term	Pointing (x, y)	Comment
07/22 11:32:30 - 07/22 17:38:30	Fixed ( -600.0, -650.0)	SE cavity obs for HOP127.
<b>PROG= 16 Inf.-time(s)</b>		
└ Subr= 1 9-time(s) 300.0sec		
└ Seqn= 82 1-time(s) 4.0sec		
Open/Al-mesh	Open/Ti-poly close	Safe Norm 8.00s Obs 2x2 768x768 (1024, 1024) DPCM 0 0 2.0sec
└ Seqn= 72 1-time(s) 4.0sec		
Al-poly/Open	Al-poly/Open close	Safe Norm 11.3s Obs 2x2 768x768 (1024, 1024) DPCM 0 0 2.0sec
└ Seqn= 37 1-time(s) 4.0sec		
C-poly/Open	med-Be/Open close	Safe Norm 16.0s Obs 2x2 768x768 (1024, 1024) DPCM 0 0 2.0sec
└ Seqn= 63 1-time(s) 2.0sec		
Open/Ti-poly	Open/Ti-poly close	Safe Norm 16.0s Obs 2x2 768x768 (1024, 1024) DPCM 0 0 2.0sec
└ Seqn= 17 1-time(s) 4.0sec		
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 22.6s Obs 2x2 768x768 (1024, 1024) DPCM 0 0 2.0sec
└ Seqn= 42 1-time(s) 2.0sec		
thin-Be/Open	med-Be/Open close	Safe Norm 64.0s Obs 2x2 768x768 (1024, 1024) 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 #1650: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(723/11571) + G-band(16)-2**

Term	Pointing (x, y)	Comment
07/22 18:24:00 - 07/22 18:30:54	Fixed ( 0.0, 0.0)	synoptic, shifted 21.0 min
07/23 06:10:00 - 07/23 06:16:54	Fixed ( 0.0, 0.0)	synoptic, shifted 7.0 min
<b>PROG= 04 1-time(s)</b>		
└ 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= 7 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
└ 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 #16AC: G-Band Alignment with North Pole Q90 2x2(G-band only) - 5min cadence - Partial Sun-wNGT**

Term	Pointing (x, y)	Comment
07/22 18:34:00 - 07/22 19:17:00	Fixed ( 0.0, 945.0)	N-limb Co-alignment run (2 hours)
<b>PROG= 13 1-time(s)</b>		
└ Subr= 1 1-time(s) 360.0sec		
└ Seqn= 10 24-time(s) 300.0sec		
Open/G-band	Open/G-band open	Safe Norm 16ms Obs 2x2 2048x1536 (1024, 768) Q=90 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

**XOB #16AD: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8 min cadence-wNGT**

Term	Pointing (x, y)	Comment
07/22 20:34:00 - 07/22 22:30:54	Fixed ( -945.0, 0.0)	E-limb Co-alignment run (2 hours)
<b>PROG= 06 1-time(s)</b>		
└ Subr= 1 1-time(s) 360.0sec		
└ Seqn= 13 15-time(s) 480.0sec		
Open/G-band	Open/G-band open	Safe Norm 16ms Obs 2x2 1536x2048 (1280, 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 #16E2: Synoptic DPCM 2x2 Ti/poly(512/4096ms)+Bethin(32ms)+Gband**

Term	Pointing (x, y)	Comment
07/22 22:34:00 - 07/23 06:06:54	Fixed ( 0.0, 0.0)	full DC
<b>PROG= 01 Inf.-time(s)</b>		
└ Subr= 1 7-time(s) 302.0sec		
└ Seqn= 4 3-time(s) 4.0sec		
Open/Ti-poly	Open/Ti-poly close	Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
└ Seqn= 49 1-time(s) 4.0sec		
thin-Be/Open	thin-Be/Open close	Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
└ Subr= 2 1-time(s) 2.0sec		
└ Seqn= 69 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

**XOB #15BE: CH - Al/poly + Ti/poly + Thin-Be - AEC 1 - FOV 512x512 - 2 min cadence - lossless**

Term	Pointing (x, y)	Comment
07/23 06:20:00 - 07/23 09:57:00	Fixed ( 0.0, -945.0)	# S-pole obs for EIS study

PROG= 12 Inf.-time(s)

└ Subr= 1 1-time(s) 2.0sec

└ Seqn= 80 30-time(s) 120.0sec

Al-poly/Open	thin-Be/Open	close	Safe	Norm	8.00s	Obs	1x1	512x512 (1024, 1024)	DPCM	1	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	16.0s	Obs	1x1	512x512 (1024, 1024)	DPCM	1	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	64.0s	Obs	1x1	512x512 (1024, 1024)	DPCM	0	0	2.0sec

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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

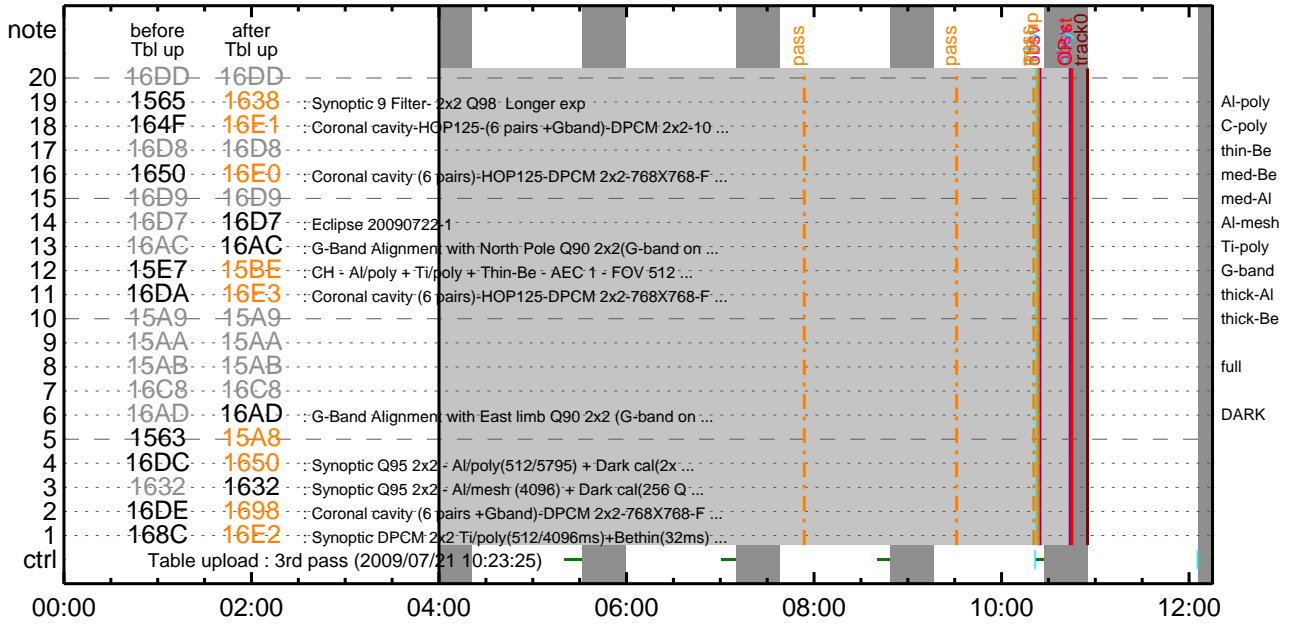
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**Flare Detection**

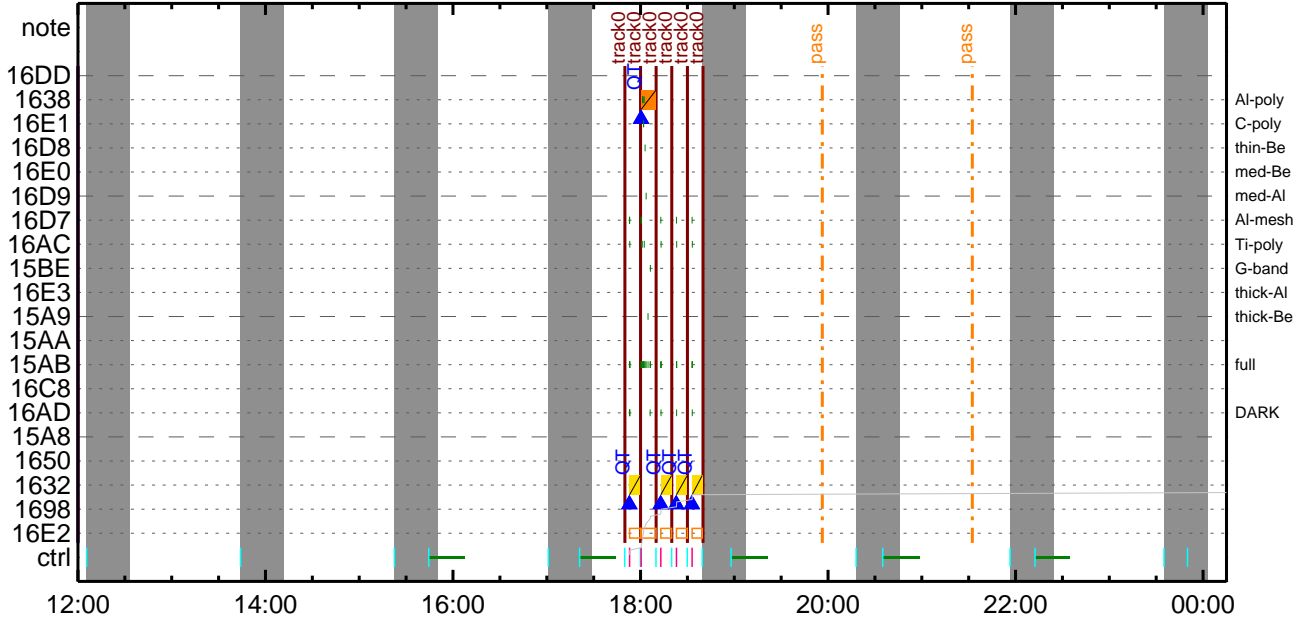
\* \* \* \* \*

NOT USED

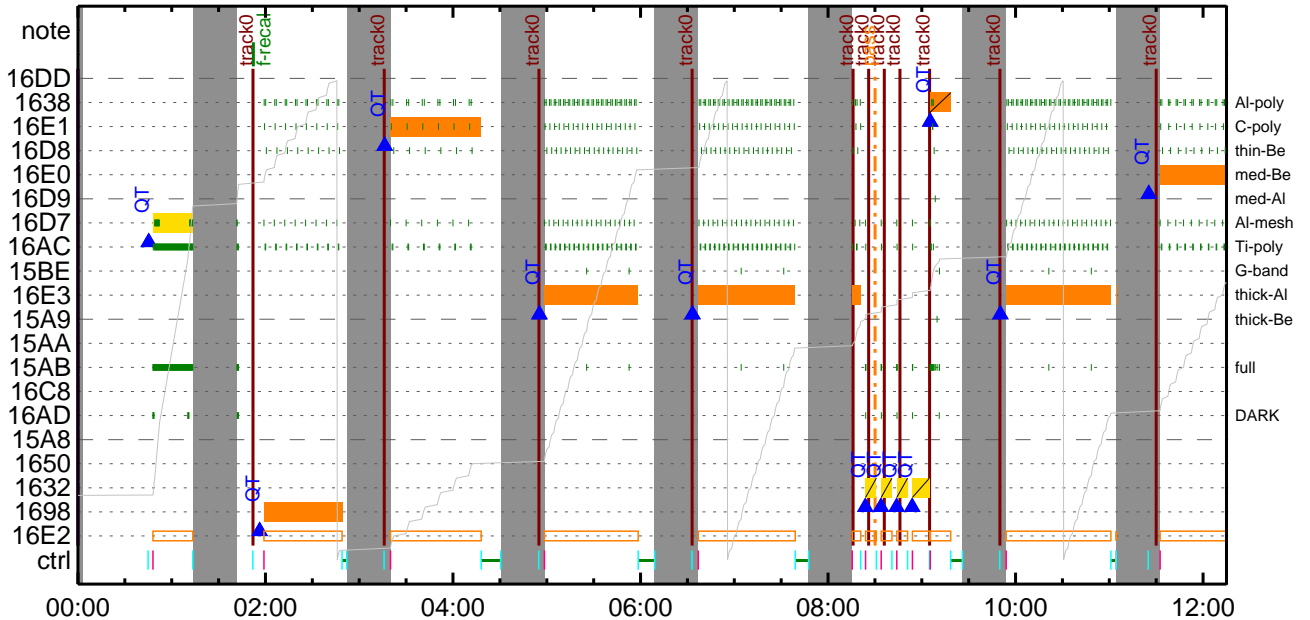
### CMDI #0691 2009/07/21



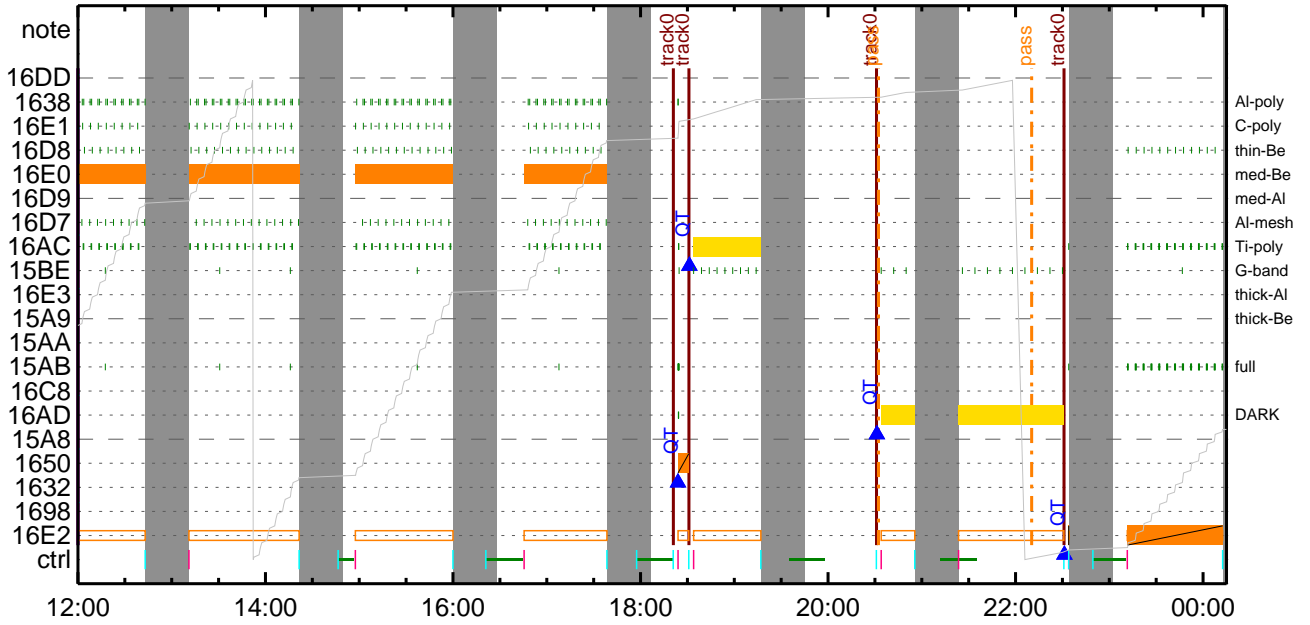
### CMDI #0691 2009/07/21



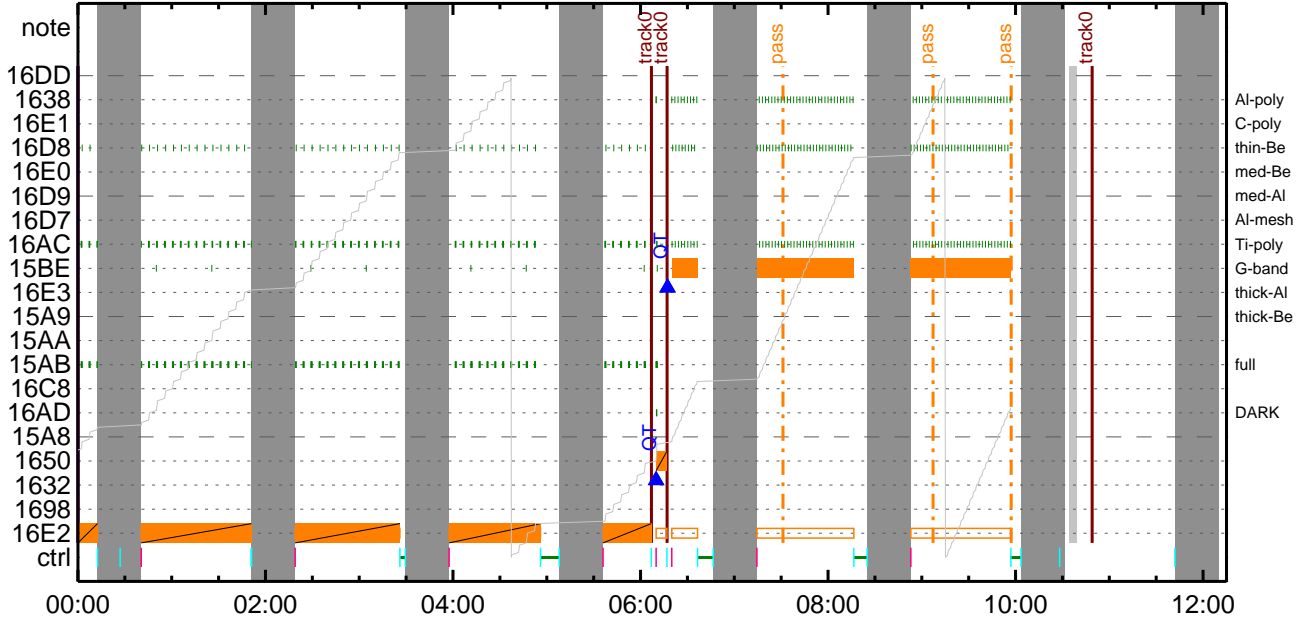
### CMDI #0691 2009/07/22



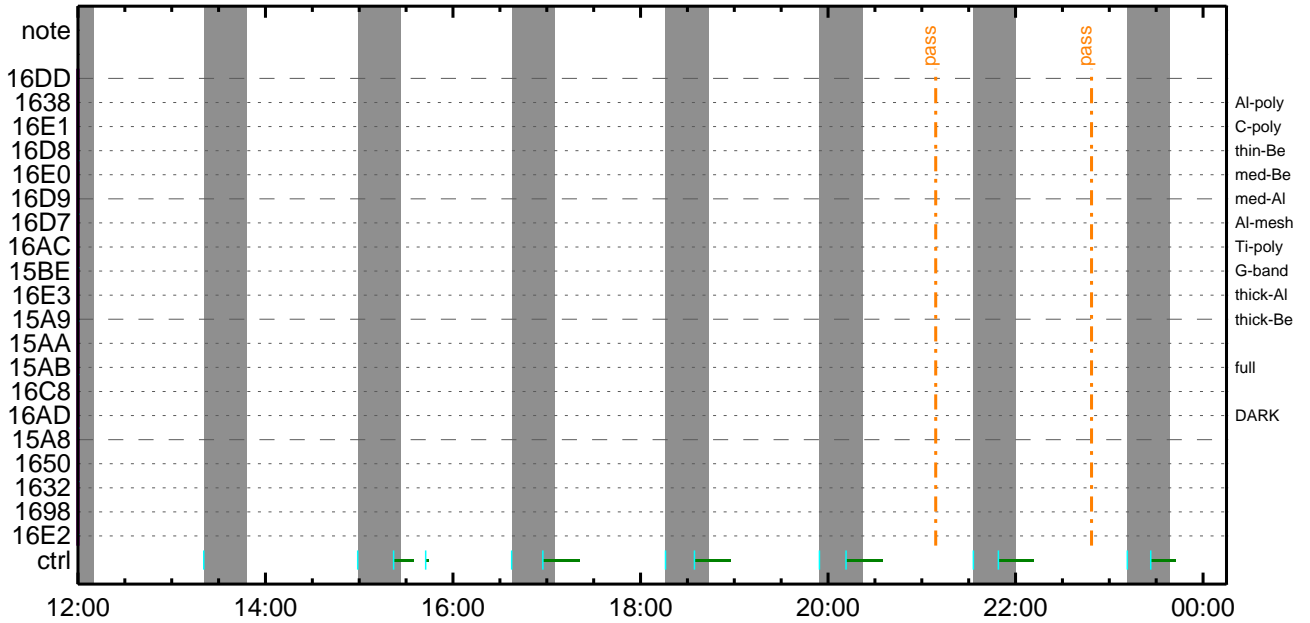
CMDI #0691 2009/07/22



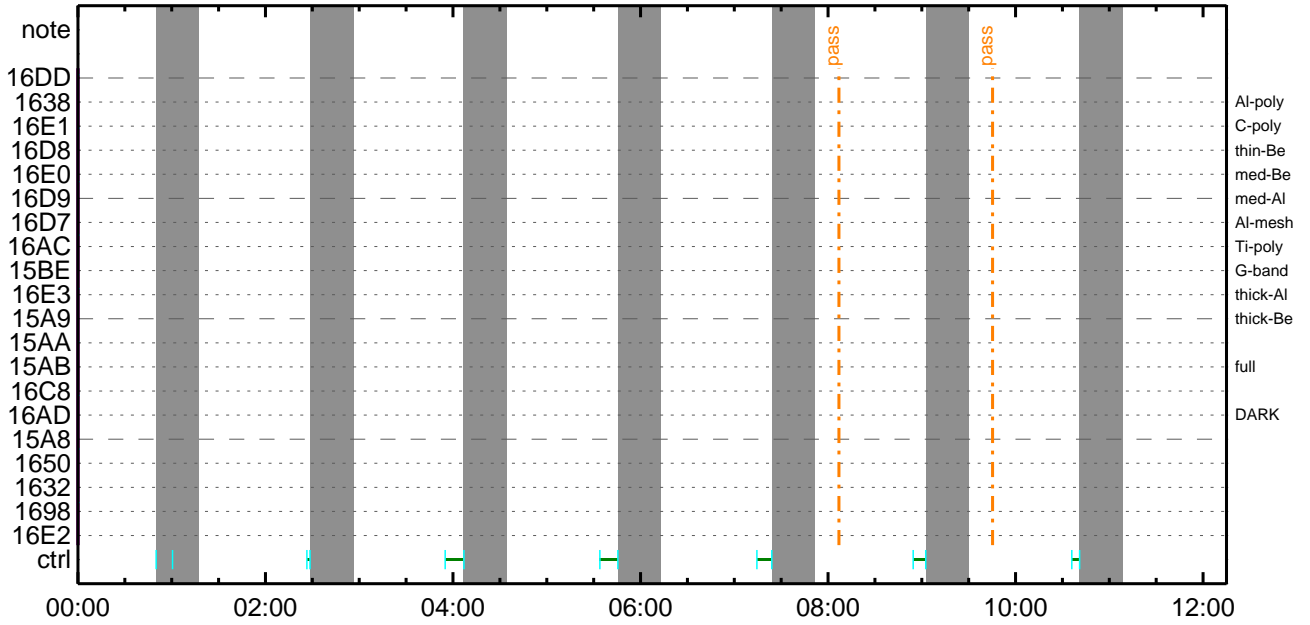
CMDI #0691 2009/07/23



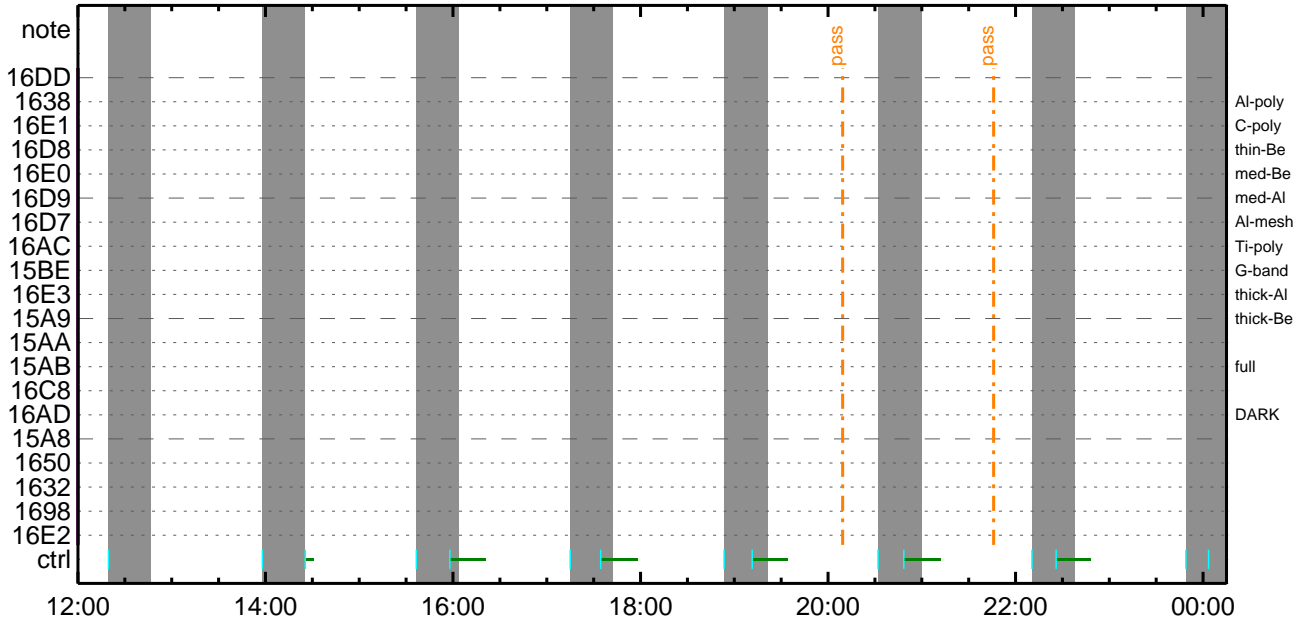
CMDI #0691 2009/07/23



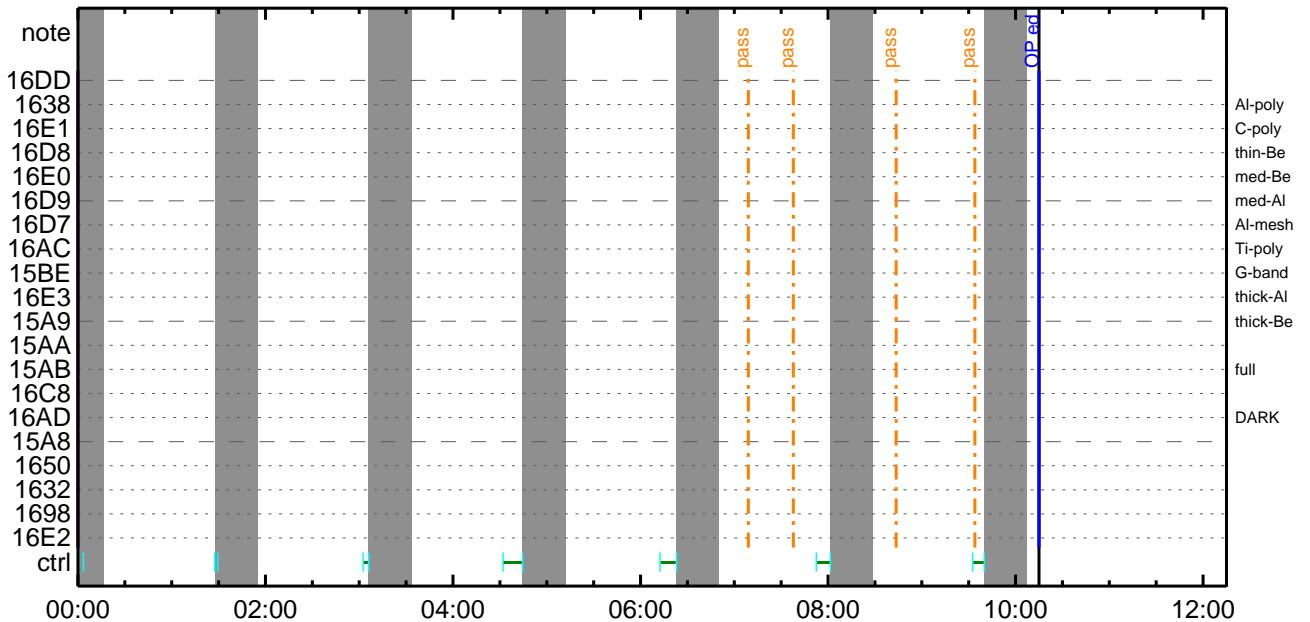
CMDI #0691 2009/07/24



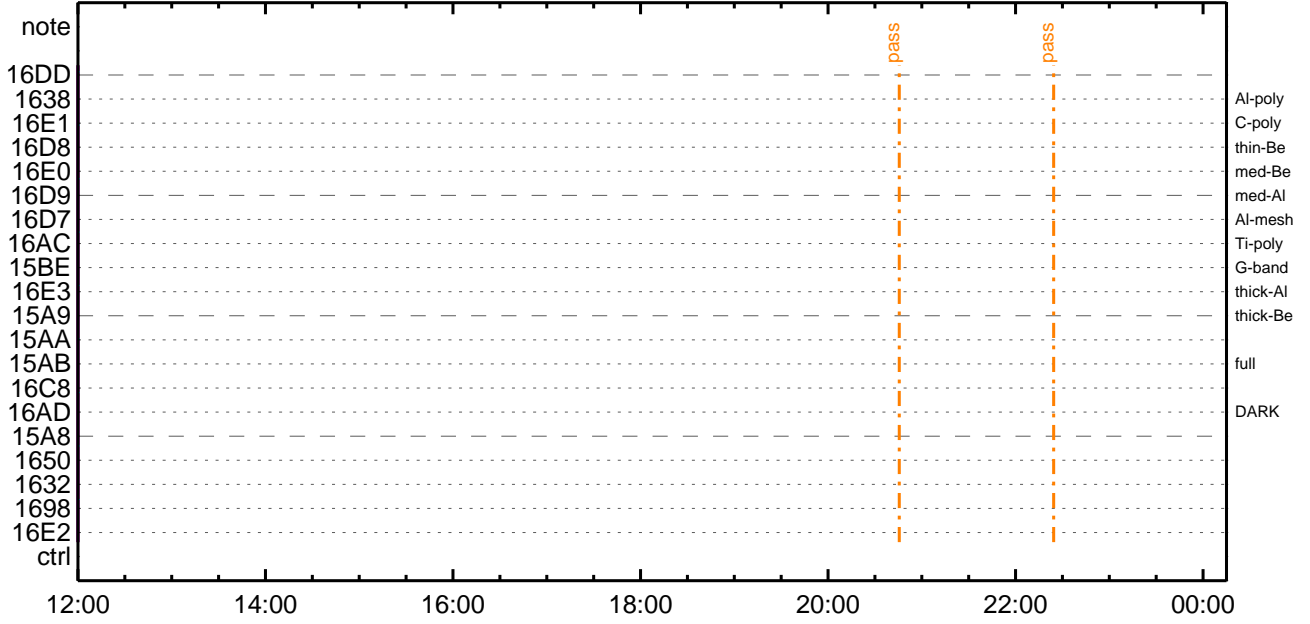
CMDI #0691 2009/07/24



CMDI #0691 2009/07/25



CMDI #0691 2009/07/25









```
0194 C.
0195 +. TI 2009-07-21 10:44:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °È²¼ñãĀë%ĩîññîŷÁŷ§ŷĀŷ¹àĭŭ
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. TĪĪŷ°èŷĀŷŌŷ×
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. ŷĀŷŌŷ×½ªĭ»ñð³Īç§
0226 C.          çç[HK1_DMP_CHK_FLG]       EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLñĪ½È¹çªè²ĪOKñð³Īç§
0229 C.
0230 C. DHUŷã;¼ŷĒ;Ē¼ŷ½.ŷĪ;¼ŷĒ;ĒñðĪãñ¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]        EQ      2
0234 C.          çç[HK1_PKT_GEN_TIME]       EQ      0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]     EQ      32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]     EQ      4M
0237 C.
0238 C. Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C. ***** Start EIS operation (TI set) *****
0242 C. Execute, after the success of OP upload.
0243 C. Set EIS TI-commands
0244 +. TI 2009-07-21 10:44:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2009-07-21 10:44:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC      (22)
0250 C.          [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0251 C. ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C. *****
0255 C. SOT TI command set
0256 C. *****
0257 C. Execute, after the success of OP upload.
0258 +. TI 2009-07-21 10:44:16.0
0259 DC 07-F0 MDP_SOT_MODE_STBY
0260 BC      (41)
0261 C. -----
0262 C.      HK1_TI_CMD_NUM      = 1 CNTUP [ ]
0263 C. -----
0264 C. ***** SOT END *****
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2009-07-21 10:44:00.0
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 ´ũĀĪñĪ»ö¼ŷñĒĀðñ¹ñēDCBC•x²è *****
0276 C. (¼ã°ĪŷŌŷĀŷĒŷŷŷĒŷĀŷçŷèñ¼ññ¼Ā»Ūñ¹ñè)
0277 C. S. DC-BC dcbc-402:DCBC
0278 C.      (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷĐŷ¹.Ī Daily±çĪññĒĒ'Ōñ¹ñēDCBC•x²è *****
0282 C. S. DC-BC dcbc-153:DCBC
0283 C.      (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ĩãLOSŷĀŷ§ŷĀŷ¹¼Ā»Ū;ã
0287 C.
0288 C. ***** LOS *****
0289 C.
```





(a) Spacecraft Operation Procedure (real-commands)

```
main-731 2009-07-21 16:45:13 120 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿øÀø•µ°È»ÍxÁÇøíYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈøÈ¼°ÇÓø•ø¿¼í¹çøí;çÀ®, ùø¹øÈøÈøÇÁ+¿®ø•øÈøøøøøÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 06 80 80 20 20)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 20 08 08)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 70 8d 0c 0c)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 74 8d 10 10)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0a 80 80 0c 0c)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0b 80 60 20 18)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0c a0 80 18 20)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0d 80 80 08 08)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0f 80 80 04 04)
0058 + DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 10 80 80 10 10)
0060 . C. ----- Success Verify ? OK / NG ____
0061 C.
0062 C.
0063 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0064 C.
0065 +. DC 07-F0 MDP_XRT_MODE_OBSV
0066 BC (c2)
0067 +. TI 2009-07-21 10:44:02.0
0068 DC 07-F0 MDP_XRT_MODE_OBSV
0069 BC (c2)
0070 . C. ----- Success Verify ? OK / NG ____
0071 C.
0072 C. ***** XRT END *****
0073 . C. *****
0074 C. SOT table upload
0075 C. *****
0076 . C. < Stop FG table >
0077 +. DC 07-F0 MDP_FG_CTRL_MANU
0078 BC (51)
0079 . C. -----
0080 C. MDP_FG_CTRL_MODE = MANU [ ]
0081 C. -----
0082 C.
0083 . C. <Upload FG Observation Table>
0084 . S. RAM ram-261:MDP_OBS_F
0085 ( )
0086 C.
0087 . C. < Dump RAMID=MDP_OBS_F >
0088 +. DC 07-F0 MDP_DUMP_FGTBL
0089 BC (82 07 00 00 00 38 b8)
0090 C. -----
0091 C. MDP_OBS_F verify = OK/NG [ ]
0092 C. -----
0093 C.
0094 C. *****
0095 C. SOT TI command set
```



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

2009/07/21	10:55:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	00	00	00	00
2009/07/21	12:05:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	13:44:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	15:22:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	15:44:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	17:01:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	17:21:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	17:49:54.0	XRT_CTRL_MANU_436_OG [0x1b4]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	17:50:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	2e	f9	2e	f9
2009/07/21	17:52:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/07/21	17:52:52.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2009/07/21	17:52:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/07/21	17:52:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/07/21	17:52:58.0	XRT_ARS_DIS_446_OG [0x1be]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/07/21	17:53:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/21	17:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	17:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/07/21	18:00:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	00	00	00	00
2009/07/21	18:00:16.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/07/21	18:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/07/21	18:00:20.0	XRT_ARS_DIS_434_OG [0x1b2]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/07/21	18:00:22.0	XRT_QT_PROG_SET_409_OG [0x199]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	13			
2009/07/21	18:00:24.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/21	18:09:54.0	XRT_CTRL_MANU_436_OG [0x1b4]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	18:10:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	2e	f9	d1	07
2009/07/21	18:12:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/07/21	18:12:52.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2009/07/21	18:12:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/07/21	18:12:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/07/21	18:12:58.0	XRT_ARS_DIS_446_OG [0x1be]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/07/21	18:13:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/21	18:19:54.0	XRT_CTRL_MANU_436_OG [0x1b4]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	18:20:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	d1	07	d1	07
2009/07/21	18:22:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/07/21	18:22:52.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2009/07/21	18:22:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/07/21	18:22:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/07/21	18:22:58.0	XRT_ARS_DIS_446_OG [0x1be]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/07/21	18:23:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/21	18:29:54.0	XRT_CTRL_MANU_436_OG [0x1b4]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/21	18:30:00.0	AOCS_ORe-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00	d1	07	2e	f9
2009/07/21	18:32:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/07/21	18:32:52.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2009/07/21	18:32:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/07/21	18:32:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/07/21	18:32:58.0	XRT_ARS_DIS_446_OG [0x1be]							



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2009/07/21	18:33:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/07/21	18:39:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/21	18:40:00.0	AOCs_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 00 00 00 00
2009/07/21	18:58:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/21	20:18:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/21	20:35:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/21	21:56:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/21	22:12:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/21	23:35:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/21	23:50:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/22	00:44:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/22	00:44:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/07/22	00:45:16.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e
2009/07/22	00:45:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0
2009/07/22	00:45:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/07/22	00:45:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9
2009/07/22	00:45:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/07/22	00:48:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/07/22	01:13:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/22	01:51:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/22	01:51:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/07/22	01:52:00.0	AOCs_OrE-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00 cf 8e 40 e5
2009/07/22	01:52:16.0	XRT_FOCUS_RECALIBRATE_402_OG [0x192]	XRT_FOCUS_RECAL	2	07-F8	78 00
2009/07/22	01:56:16.0	XRT_QT_PROG_SET_414_OG [0x19e]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2009/07/22	01:56:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0
2009/07/22	01:56:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/07/22	01:56:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9
2009/07/22	01:56:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/07/22	01:59:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/07/22	02:49:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/22	02:52:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/22	03:15:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/22	03:15:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/07/22	03:16:00.0	AOCs_OrE-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00 d7 1b ba 36
2009/07/22	03:16:16.0	XRT_QT_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12
2009/07/22	03:16:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0
2009/07/22	03:16:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2009/07/22	03:16:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9
2009/07/22	03:16:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/07/22	03:20:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/07/22	04:18:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/22	04:30:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/22	04:54:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/22	04:54:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/07/22	04:55:00.0	AOCs_OrE-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	00 00 00 52 a7
2009/07/22	04:55:16.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b

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2009/07/22	04:55:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2009/07/22	04:55:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/07/22	04:55:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/07/22	04:55:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/07/22	04:58:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/22	05:58:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/22	06:09:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/22	06:32:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/22	06:32:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/07/22	06:33:00.0	AOCS_Ore-point_Start_9_OG [0x09f]	AOCU_NM	5	02-76	00 23 8d b4 73		
2009/07/22	06:33:16.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b		
2009/07/22	06:33:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2009/07/22	06:33:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/07/22	06:33:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/07/22	06:33:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/07/22	06:37:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/22	07:39:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/22	07:47:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/22	08:15:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/22	08:16:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 2e f9 2e f9		
2009/07/22	08:20:54.0	XRT_CTRL_MANU_436_OG [0x1b4]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/22	08:23:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/07/22	08:23:52.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03		
2009/07/22	08:23:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/07/22	08:23:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/07/22	08:23:58.0	XRT_ARS_DIS_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/07/22	08:24:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/22	08:26:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 2e f9 d1 07		
2009/07/22	08:30:54.0	XRT_CTRL_MANU_436_OG [0x1b4]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/22	08:33:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/07/22	08:33:52.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03		
2009/07/22	08:33:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/07/22	08:33:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/07/22	08:33:58.0	XRT_ARS_DIS_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/07/22	08:34:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/22	08:36:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 d1 07 d1 07		
2009/07/22	08:40:54.0	XRT_CTRL_MANU_436_OG [0x1b4]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/22	08:43:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/07/22	08:43:52.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03		
2009/07/22	08:43:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/07/22	08:43:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/07/22	08:43:58.0	XRT_ARS_DIS_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/07/22	08:44:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/07/22	08:46:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00 d1 07 2e f9		
2009/07/22	08:50:54.0	XRT_CTRL_MANU_436_OG [0x1b4]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/07/22	08:53:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/07/22	08:53:52.0	XRT_QT_PROG_SET_443_OG [0x1bb]						

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2009/07/22	08:53:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/07/22	08:53:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/07/22	08:53:58.0	XRT_ARS_DIS_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/07/22	08:54:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/07/22	09:04:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	09:04:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2009/07/22	09:05:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00	00 00 00 00
2009/07/22	09:05:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/07/22	09:05:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/07/22	09:05:20.0	XRT_ARS_DIS_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/07/22	09:05:22.0	XRT_QT_PROG_SET_409_OG [0x199]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13
2009/07/22	09:05:24.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/07/22	09:18:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	09:26:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	09:49:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	09:49:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2009/07/22	09:50:00.0	AOCS_ORe-point_Start_10_OG [0x0a0]	AOCU_NM	5	02-76	00	42 35 cb 1b
2009/07/22	09:50:16.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2009/07/22	09:50:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/07/22	09:50:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/07/22	09:50:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/07/22	09:50:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/07/22	09:54:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/07/22	11:01:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	11:03:30.0	XRT_Custom_430_OG [0x1ae]					
2009/07/22	11:04:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/07/22	11:04:30.5	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	11:24:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	11:24:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2009/07/22	11:25:16.0	XRT_QT_PROG_SET_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	10
2009/07/22	11:25:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/07/22	11:25:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/07/22	11:25:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/07/22	11:25:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/07/22	11:30:00.0	AOCS_ORe-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	00	39 ca 35 58
2009/07/22	11:32:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/07/22	12:43:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	13:11:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/07/22	14:21:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	14:46:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	14:56:30.0	XRT_Custom_430_OG [0x1ae]					
2009/07/22	14:57:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/07/22	16:00:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	16:21:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	16:44:30.0	XRT_Custom_430_OG [0x1ae]					
2009/07/22	16:45:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/07/22	17:38:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/07/22	17:57:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	

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2009/07/22	18:20:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/22	18:20:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/22	18:21:00.0	AOCs_OrE-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2009/07/22	18:21:16.0	XRT_FLD_DIS_419_OG [0x1a3]	AOCU_NM	5	02-76	00	00	00	00
2009/07/22	18:21:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/07/22	18:21:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/07/22	18:23:58.0	XRT_QT_PROG_SET_413_OG [0x19d]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/07/22	18:24:00.0	XRT_CTRL_AUTO_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	04		
2009/07/22	18:30:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/22	18:30:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/22	18:31:00.0	AOCs_OrE-point_Start_12_OG [0x0a2]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2009/07/22	18:31:16.0	XRT_QT_PROG_SET_405_OG [0x195]	AOCU_NM	5	02-76	00	ac	00	00
2009/07/22	18:31:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0d		
2009/07/22	18:31:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/07/22	18:31:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/07/22	18:34:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/07/22	19:17:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/22	20:30:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/22	20:30:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/22	20:31:00.0	AOCs_OrE-point_Start_13_OG [0x0a3]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2009/07/22	20:31:16.0	XRT_QT_PROG_SET_431_OG [0x1af]	AOCU_NM	5	02-76	00	00	00	54
2009/07/22	20:31:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06		
2009/07/22	20:31:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/07/22	20:31:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/07/22	20:34:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/07/22	20:55:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/22	21:23:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/22	22:30:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/22	22:30:56.0	XRT_FOCUS_POSITION_449_OG [0x1c1]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/22	22:31:00.0	AOCs_OrE-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2009/07/22	22:31:16.0	XRT_QT_PROG_SET_400_OG [0x190]	AOCU_NM	5	02-76	00	00	00	00
2009/07/22	22:31:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01		
2009/07/22	22:31:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2009/07/22	22:31:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/07/22	22:31:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/07/22	22:34:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/07/22	22:34:00.5	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/22	22:49:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/22	23:10:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/22	23:11:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_Custom_430_OG	1	07-F0	c0			
2009/07/23	00:12:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/23	00:27:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/23	00:40:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/23	01:51:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/07/23	01:51:00.5	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/23	02:19:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/07/23	03:26:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			

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2009/07/23	03:29:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	03:57:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/23	04:56:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	05:08:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	05:36:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/23	06:06:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	06:06:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/07/23	06:07:00.0	AOCS_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 00 00 00 00				
2009/07/23	06:07:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/07/23	06:07:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/07/23	06:07:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/07/23	06:09:58.0	XRT_QT_PROG_SET_413_OG [0x19d]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 04				
2009/07/23	06:10:00.0	XRT_CTRL_AUTO_440_OG [0x1b8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/23	06:16:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	06:16:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/07/23	06:17:00.0	AOCS_OrE-point_Start_14_OG [0x0a4]	AOCU_NM	5	02-76	00 54 00 00 00				
2009/07/23	06:17:16.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2009/07/23	06:17:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/07/23	06:17:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/07/23	06:17:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/07/23	06:17:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/07/23	06:20:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/23	06:36:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	06:46:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	07:14:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/23	08:16:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	08:25:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	08:53:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/07/23	09:57:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	10:03:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	10:28:11.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	10:49:00.0	AOCS_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 00 00 00 00				
2009/07/23	11:42:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	13:20:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	14:59:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	15:22:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	15:42:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	16:37:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	16:57:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	18:16:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	18:34:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	19:54:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	20:11:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	21:33:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	21:49:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/07/23	23:11:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				

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2009/07/23	23:26:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	00:50:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	01:00:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	02:26:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	02:28:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	03:55:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	04:07:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	05:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	05:45:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	07:14:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	07:24:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	08:54:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	09:02:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	10:36:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	10:41:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	12:19:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	13:58:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	14:25:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	15:36:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	15:58:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	17:15:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	17:34:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	18:53:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	19:11:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	20:32:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	20:48:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	22:10:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	22:26:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/24	23:49:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	00:03:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	01:27:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	01:29:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	03:02:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	03:06:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	04:32:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	04:44:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	06:12:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	06:23:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	07:52:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	08:01:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	09:32:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/07/25	09:40:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1