

XRT Timeline to be uploaded on 2009/01/10

Period: 2009/01/10 11:10:00 - 2009/01/15 10:43:00

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Normal mode

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XOB #1630: Al/poly 384FOV Q95 - 60s-cad - Ti/poly + Thin-Be context - AEC1												
Term	Pointing (x, y)	Comment										
01/10 11:26:02 - 01/10 17:53:24	Track (-25.3, -0.3) @ 01/10 11:20:00	# OP start + 10min, HOP 94										
PROG= 17 1-time(s)												
└─ Subr= 1 30-time(s) 60.0sec												
└─ Seqn= 26 1-time(s) 30.0sec												
└─ Al-poly/Open Al-poly/thick-Al close Safe Norm 2.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─ Subr= 2 1-time(s) 4.0sec												
└─ Seqn= 21 2-time(s) 4.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 2.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─ thin-Be/Open med-Be/Open close Safe Norm 11.3s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─ thin-Be/Open thin-Be/Open close Safe Dark 22.6s Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #15A3: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16)												
Term	Pointing (x, y)	Comment										
01/10 17:55:30 - 01/10 18:03:24	Fixed (0.0, 0.0)	synoptic, shifted -6.5 min										
01/11 17:43:30 - 01/11 17:51:24	Fixed (0.0, 0.0)	synoptic, shifted -18.5 min										
01/12 18:02:00 - 01/12 18:14:54	Fixed (0.0, 0.0)	synoptic										
PROG= 07 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= 67 1-time(s) 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Dark 500ms Obs 2x2 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 #1568: Dither Pointing_Q1 5x-ray_NO_GBAND-short_exposure												
Term	Pointing (x, y)	Comment										
01/10 18:06:30 - 01/10 18:11:24	Fixed (-528.4, -528.4)	Dither pointing start#1										
01/10 18:14:30 - 01/10 18:19:24	Fixed (-541.8, -505.7)	Dither pointing start#1 + 8min										
01/10 18:22:30 - 01/10 18:27:24	Fixed (-553.2, -539.7)	Dither pointing start#1 + 16min										
PROG= 15 1-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 27 1-time(s) 4.0sec												
└─ thin-Be/Open thin-Be/Open close Safe Norm 32.0s Obs 1x1 1024x1024 (1536, 1536) DPCM 0 0 6.0sec												
└─ C-poly/Open thin-Be/Open close Safe Norm 8.00s Obs 1x1 1024x1024 (1536, 1536) DPCM 0 0 6.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 8.00s Obs 1x1 1024x1024 (1536, 1536) DPCM 0 0 6.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 5.66s Obs 1x1 1024x1024 (1536, 1536) DPCM 0 0 6.0sec												
└─ Open/Al-mesh Open/thick-Al close Safe Norm 2.83s Obs 1x1 1024x1024 (1536, 1536) DPCM 0 0 6.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1569: Dither Pointing_Q2 5x-ray_NO_GBAND-short_exposure												
Term	Pointing (x, y)	Comment										
01/10 18:30:50 - 01/10 18:35:24	Fixed (528.4, -528.4)	Dither pointing start#2										
01/10 18:38:30 - 01/10 18:43:24	Fixed (523.1, -516.8)	Dither pointing start#2 + 8min										
01/10 18:46:30 - 01/10 19:29:54	Fixed (531.5, -554.2)	Dither pointing start#2 + 16min										
PROG= 08 1-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 38 1-time(s) 4.0sec												
└─ thin-Be/Open thin-Be/Open close Safe Norm 32.0s Obs 1x1 1024x1024 (512, 1536) DPCM 0 0 6.0sec												
└─ C-poly/Open thin-Be/Open close Safe Norm 8.00s Obs 1x1 1024x1024 (512, 1536) DPCM 0 0 6.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 8.00s Obs 1x1 1024x1024 (512, 1536) DPCM 0 0 6.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 5.66s Obs 1x1 1024x1024 (512, 1536) DPCM 0 0 6.0sec												
└─ Open/Al-mesh Open/thick-Al close Safe Norm 2.83s Obs 1x1 1024x1024 (512, 1536) DPCM 0 0 6.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #156A: Dither Pointing_Q3 5x-ray_NO_GBAND-short_exposure												
Term	Pointing (x, y)	Comment										
01/10 19:33:00 - 01/10 19:37:54	Fixed (528.4, 528.4)	Dither pointing start#3										
01/10 19:41:00 - 01/10 19:45:54	Fixed (529.4, 538.7)	Dither pointing start#3 + 8min										
01/10 19:49:00 - 01/10 19:53:54	Fixed (530.5, 500.6)	Dither pointing start#3 + 16min										
PROG= 11 1-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												

Seqn= 83 1-time(s) 4.0sec												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	1x1	1024x1024 (512, 512)	DPCM	0	0	6.0sec
C-poly/Open	thin-Be/Open	close	Safe	Norm	8.00s	Obs	1x1	1024x1024 (512, 512)	DPCM	0	0	6.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	1x1	1024x1024 (512, 512)	DPCM	0	0	6.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	5.66s	Obs	1x1	1024x1024 (512, 512)	DPCM	0	0	6.0sec
Open/Al-mesh	Open/thick-Al	close	Safe	Norm	2.83s	Obs	1x1	1024x1024 (512, 512)	DPCM	0	0	6.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #156B: Dither Pointing Q4 5x-ray_NO GBAND-short exposure

Term	Pointing (x, y)	Comment
01/10 19:57:00 - 01/10 20:01:54	Fixed (-528.4, 528.4)	Dither pointing start#4
01/10 20:05:00 - 01/10 20:09:54	Fixed (-535.6, 548.0)	Dither pointing start#4 + 8min
01/10 20:13:00 - 01/11 05:38:54	Fixed (-549.0, 522.2)	Dither pointing start#4 + 16min

PROG= 14 1-time(s)

Subr= 1 1-time(s) 2.0sec												
Seqn= 48 1-time(s) 4.0sec												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	1x1	1024x1024 (1536, 512)	DPCM	0	0	6.0sec
C-poly/Open	thin-Be/Open	close	Safe	Norm	8.00s	Obs	1x1	1024x1024 (1536, 512)	DPCM	0	0	6.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	1x1	1024x1024 (1536, 512)	DPCM	0	0	6.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	5.66s	Obs	1x1	1024x1024 (1536, 512)	DPCM	0	0	6.0sec
Open/Al-mesh	Open/thick-Al	close	Safe	Norm	2.83s	Obs	1x1	1024x1024 (1536, 512)	DPCM	0	0	6.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #15A4: Synoptic Q95 2x2 - Al/mesh(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16)

Term	Pointing (x, y)	Comment
01/11 05:41:00 - 01/11 13:29:54	Fixed (0.0, 0.0)	synoptic, shifted -21.0 min
01/12 06:02:00 - 01/12 06:09:54	Fixed (0.0, 0.0)	synoptic
01/13 06:20:30 - 01/13 06:29:54	Fixed (0.0, 0.0)	synoptic, shifted 18.5 min

PROG= 20 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= 67 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	500ms	Obs	2x2	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 #1634: MHD Waves-Al/poly 384FOV - 20s cadence with Ti-poly context+G-band alignment

Term	Pointing (x, y)	Comment
01/11 13:33:00 - 01/11 15:30:01	Track (-77.5, -0.8) @ 01/11 05:49:00	Wave propagation study (13:30 - 15:30 UT)

PROG= 13 Inf-time(s)

Subr= 1 3-time(s) 2.0sec												
Seqn= 51 60-time(s) 2.0sec												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	DPCM	3	0	20.0sec
Seqn= 75 1-time(s) 4.0sec												
C-poly/Open	thin-Be/Open	close	Safe	Norm	16.0s	Obs	1x1	512x512 (1024, 1024)	DPCM	1	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 84 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	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 #162D: Full Sun - CME Watch - C/Poly + Thin-Be + Med-Be - 4x4 - AEC2

Term	Pointing (x, y)	Comment
01/11 17:54:32 - 01/12 05:59:54	Track (36.6, 0.3) @ 01/11 17:51:30	cont.
01/12 06:13:02 - 01/12 17:59:54	Track (-74.2, -0.7) @ 01/12 06:10:00	EIS Sensitivity monitor
01/12 18:18:02 - 01/12 20:19:30	Track (40.3, 0.4) @ 01/12 18:15:00	cont.

PROG= 09 Inf-time(s)

Subr= 1 4-time(s) 480.0sec												
Seqn= 22 1-time(s) 60.0sec												
C-poly/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
Seqn= 91 1-time(s) 60.0sec												
thin-Be/Open	med-Be/Open	close	Safe	Norm	4.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
Seqn= 65 1-time(s) 60.0sec												
med-Be/Open	med-Be/Open	close	Safe	Norm	22.6s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
Subr= 2 1-time(s) 60.0sec												
Seqn= 60 1-time(s) 30.0sec												
C-poly/Open	C-poly/Open	close	Safe	Dark	1.00s	Obs	4x4	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										
01/13 06:33:00 - 01/15 10:43:00	Fixed (0.0, 0.0)		synoptic, shifted 18.5 min										
PROG= 10	1-time(s)												
Subr= 1	1-time(s) 180.0sec												
Seqn= 72	1-time(s) 30.0sec												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	5.66s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Seqn= 33	1-time(s) 30.0sec												
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	707ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Seqn=100	1-time(s) 30.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	5.66s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Seqn= 85	1-time(s) 30.0sec												
C-poly/Open	C-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
C-poly/Open	med-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Seqn= 18	1-time(s) 30.0sec												
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	16.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Seqn= 66	1-time(s) 30.0sec												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Subr= 2	1-time(s) 360.0sec												
Seqn= 20	1-time(s) 4.0sec												
med-Al/Open	med-Al/Open	close	Safe	Norm	64.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Seqn= 45	1-time(s) 4.0sec												
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Seqn= 50	1-time(s) 4.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	250ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
Seqn= 92	1-time(s) 4.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer	Interval	

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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

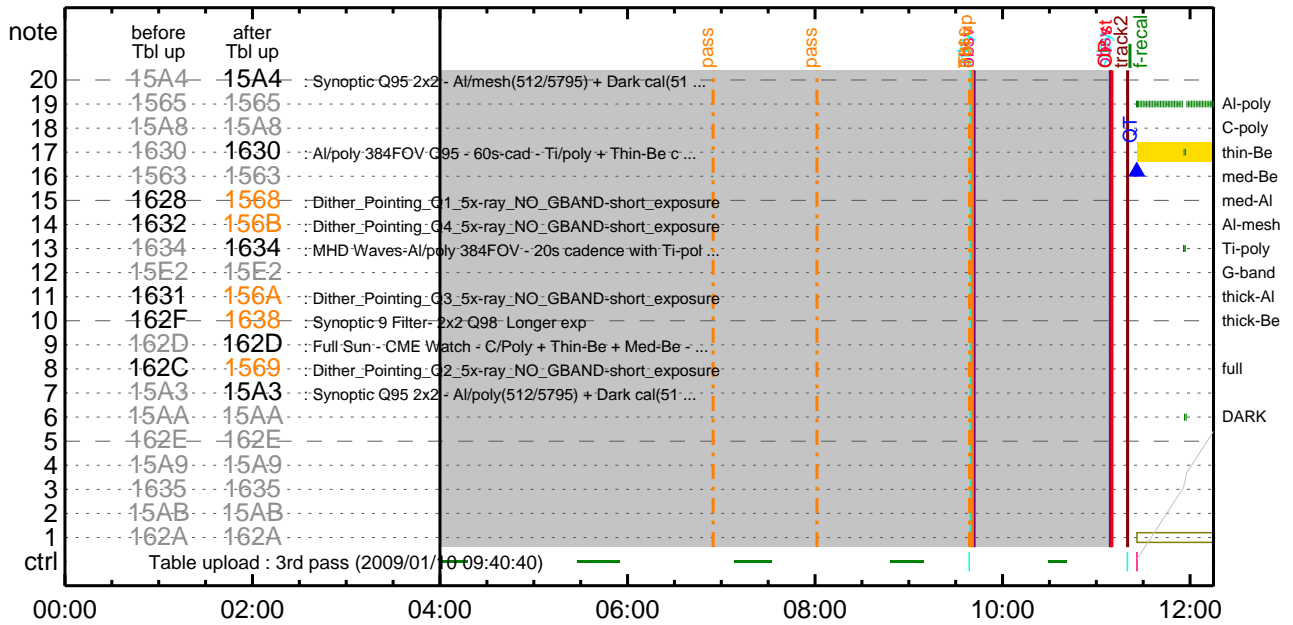
* * * * *

Flare Detection

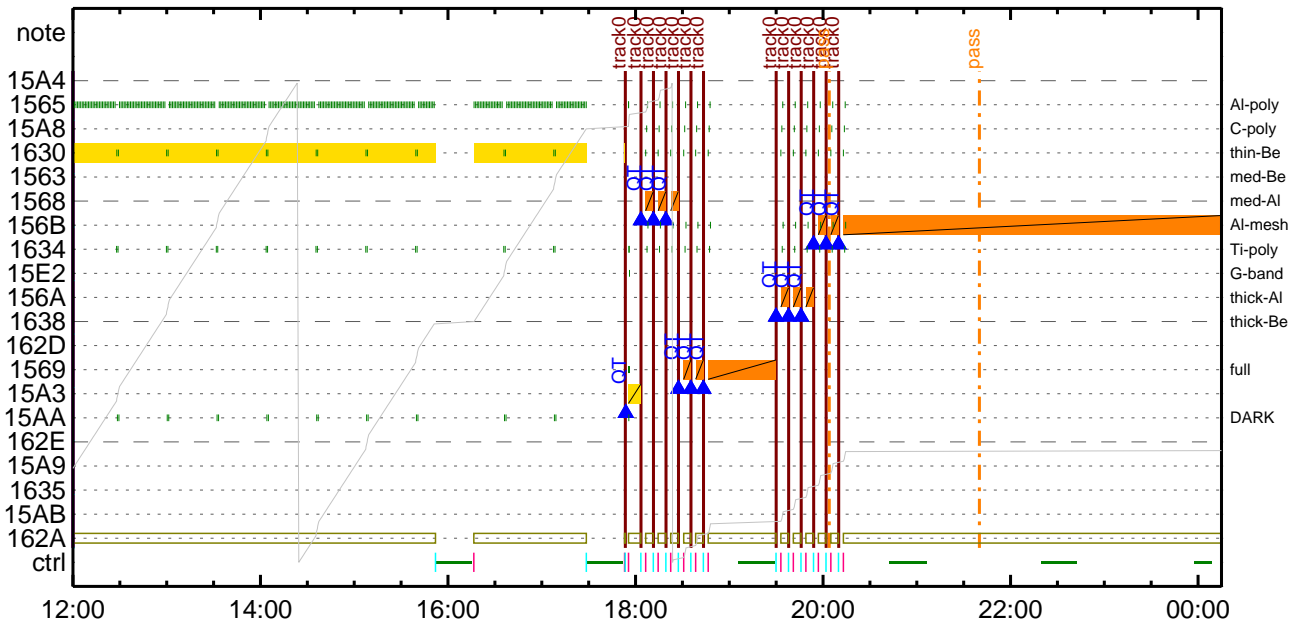
* * * * *

NOT USED

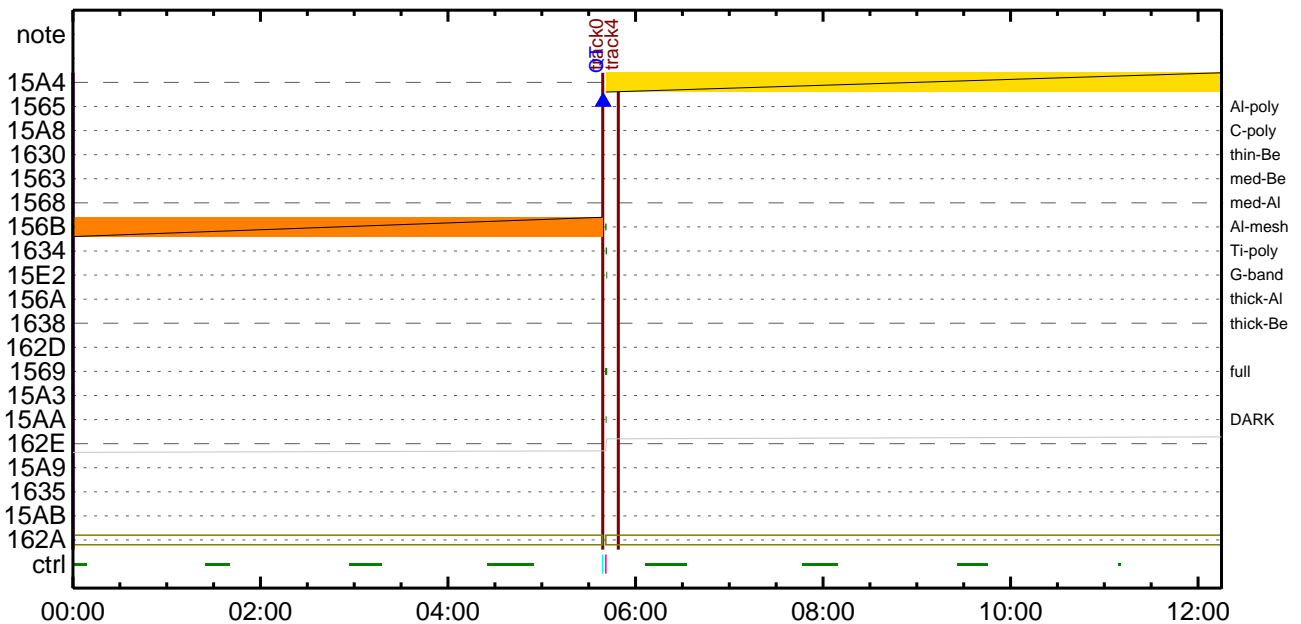
CMDI #0335 2009/01/10



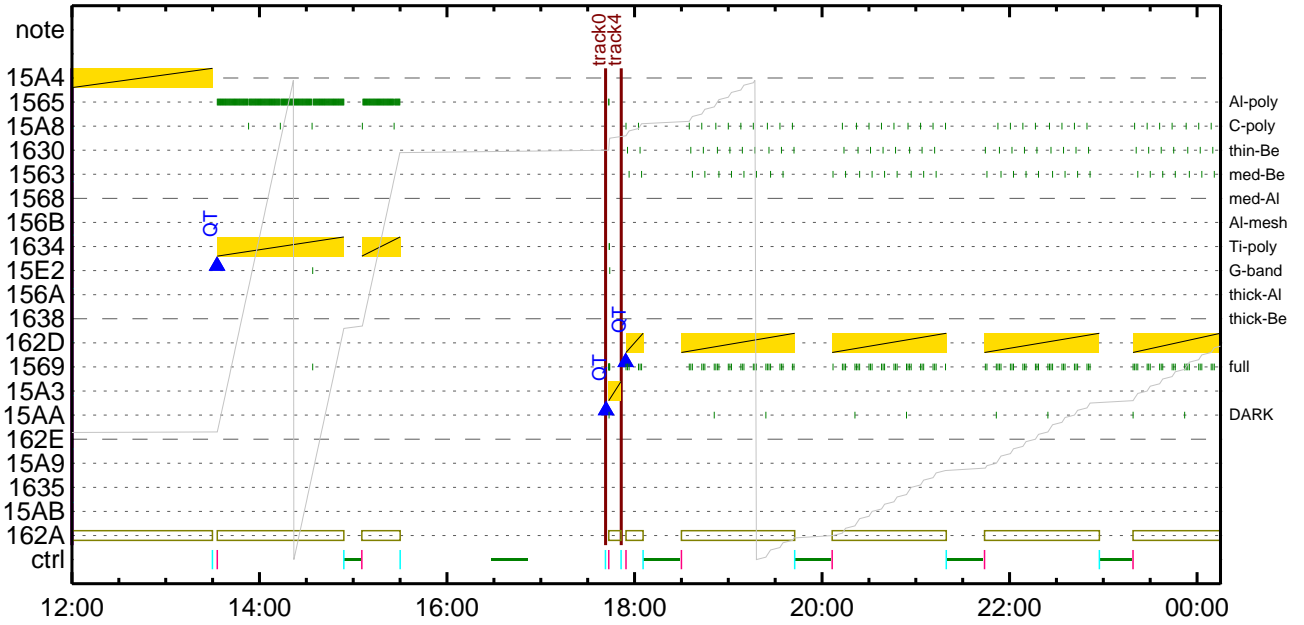
CMDI #0335 2009/01/10



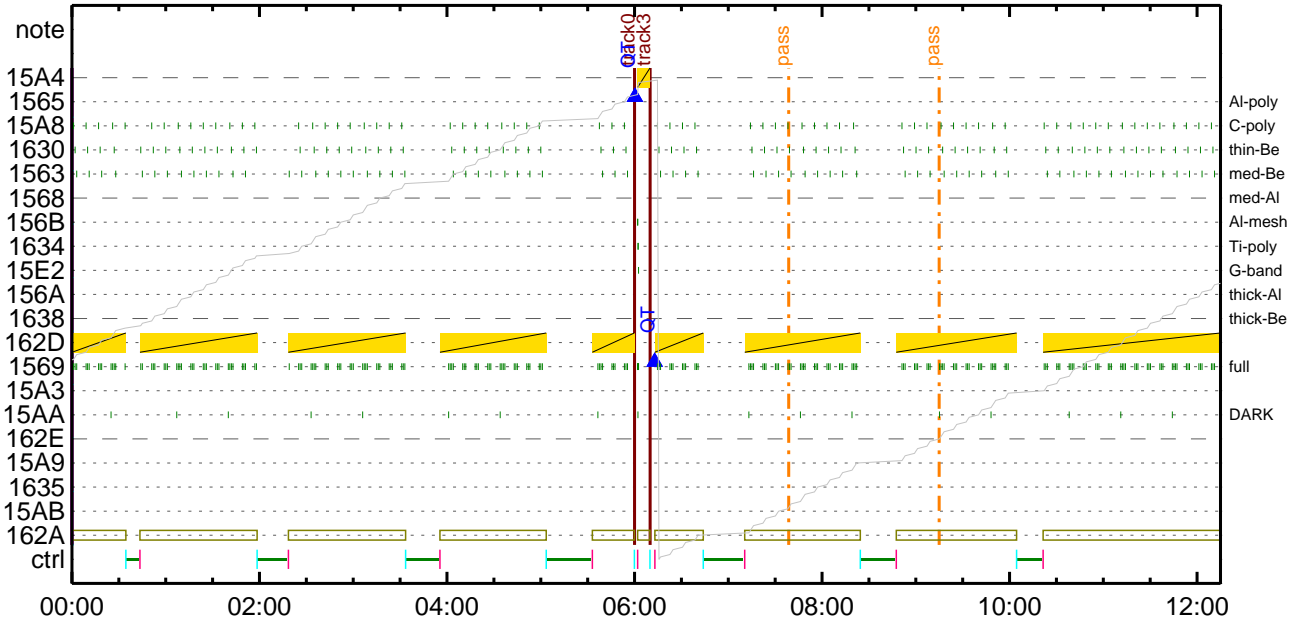
CMDI #0335 2009/01/11



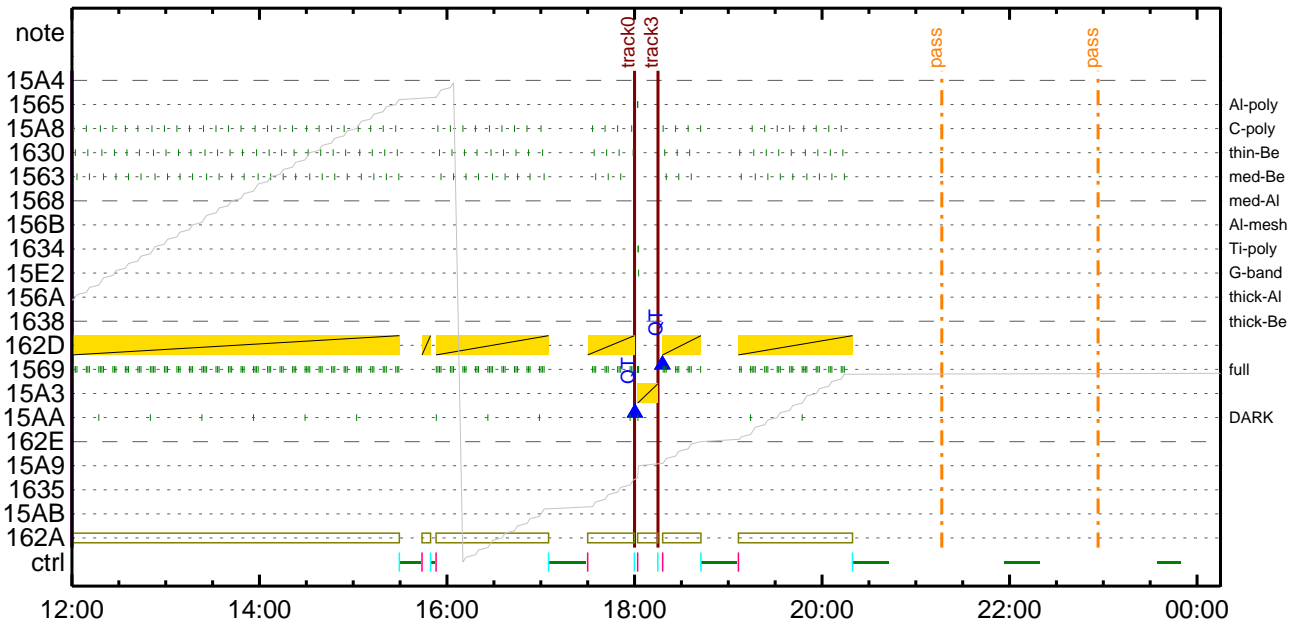
CMDI #0335 2009/01/11



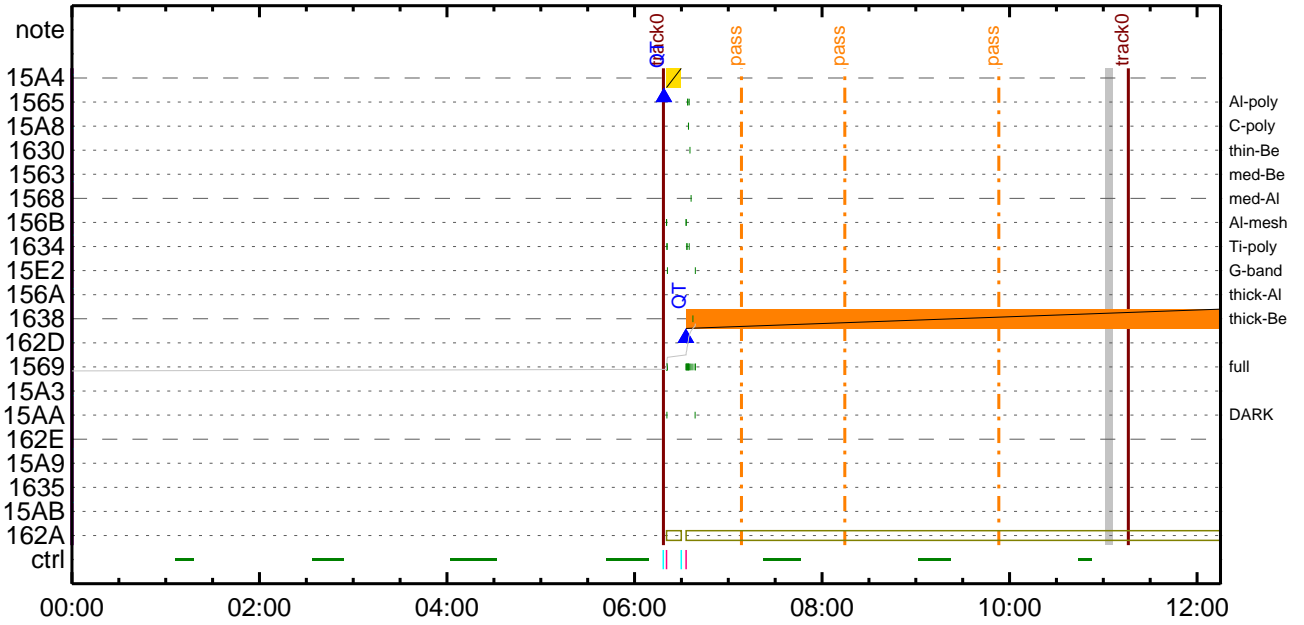
CMDI #0335 2009/01/12



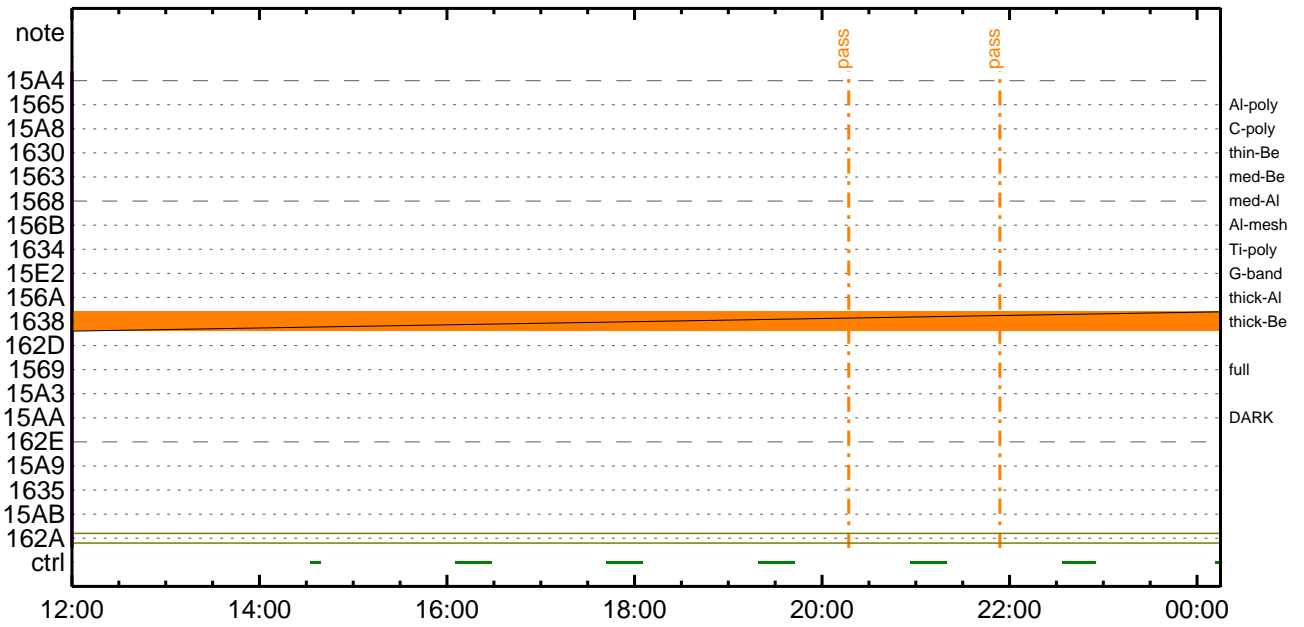
CMDI #0335 2009/01/12



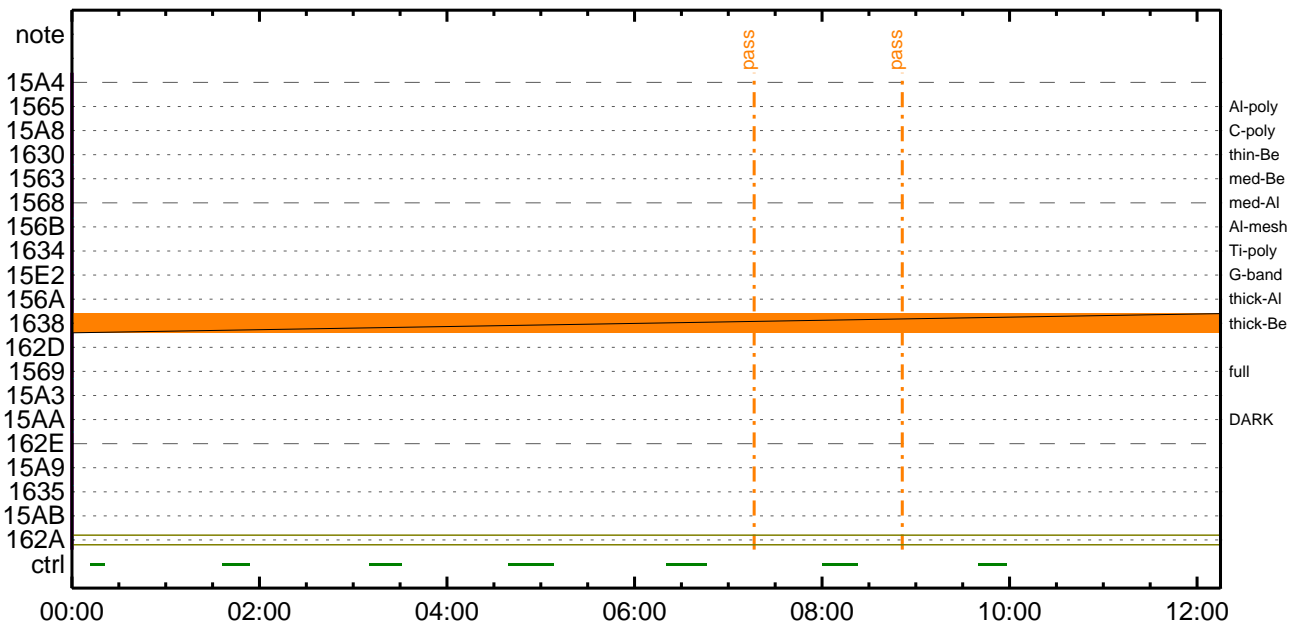
CMDI #0335 2009/01/13



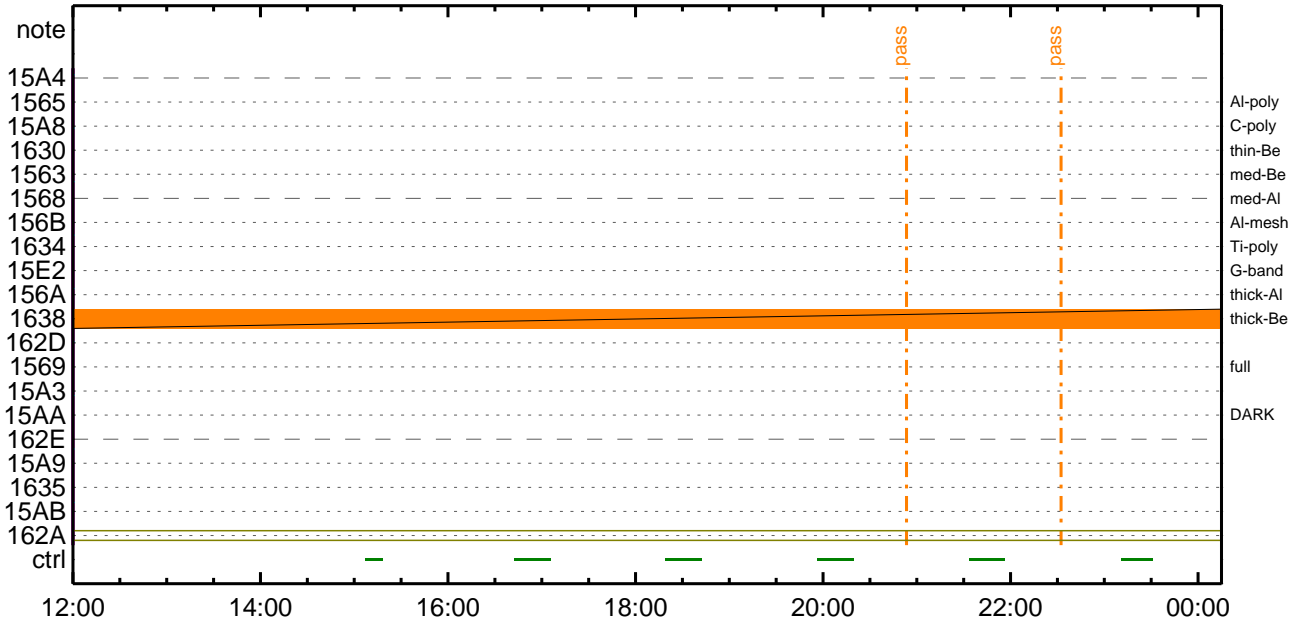
CMDI #0335 2009/01/13



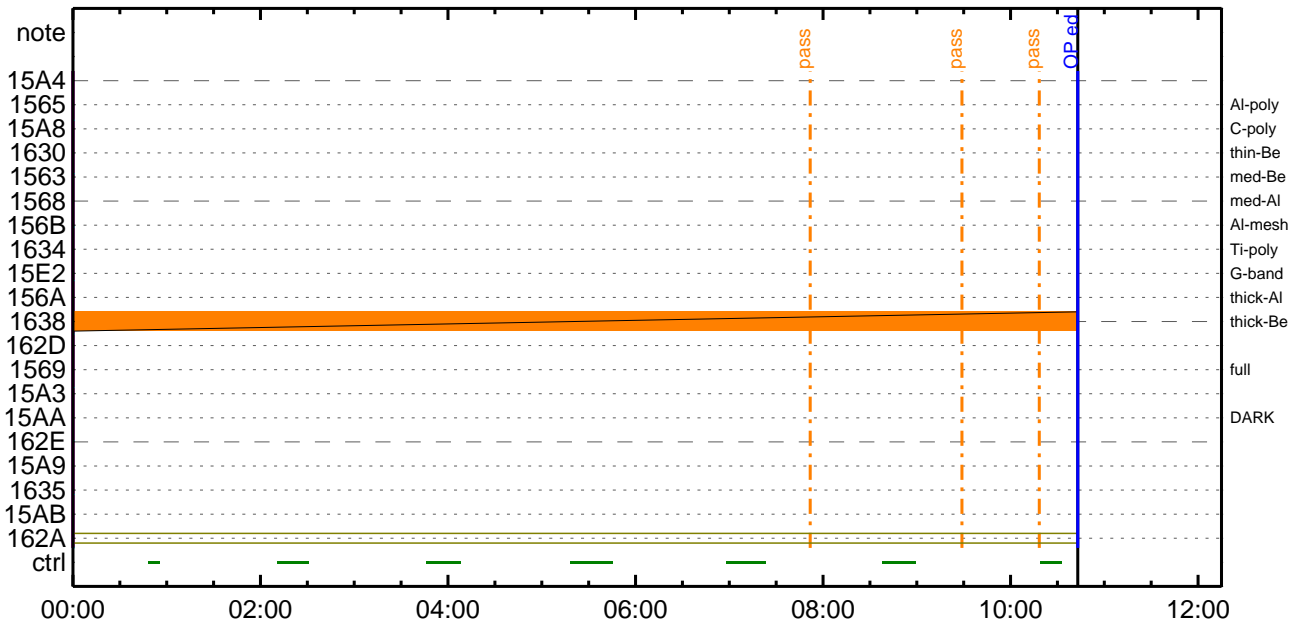
CMDI #0335 2009/01/14



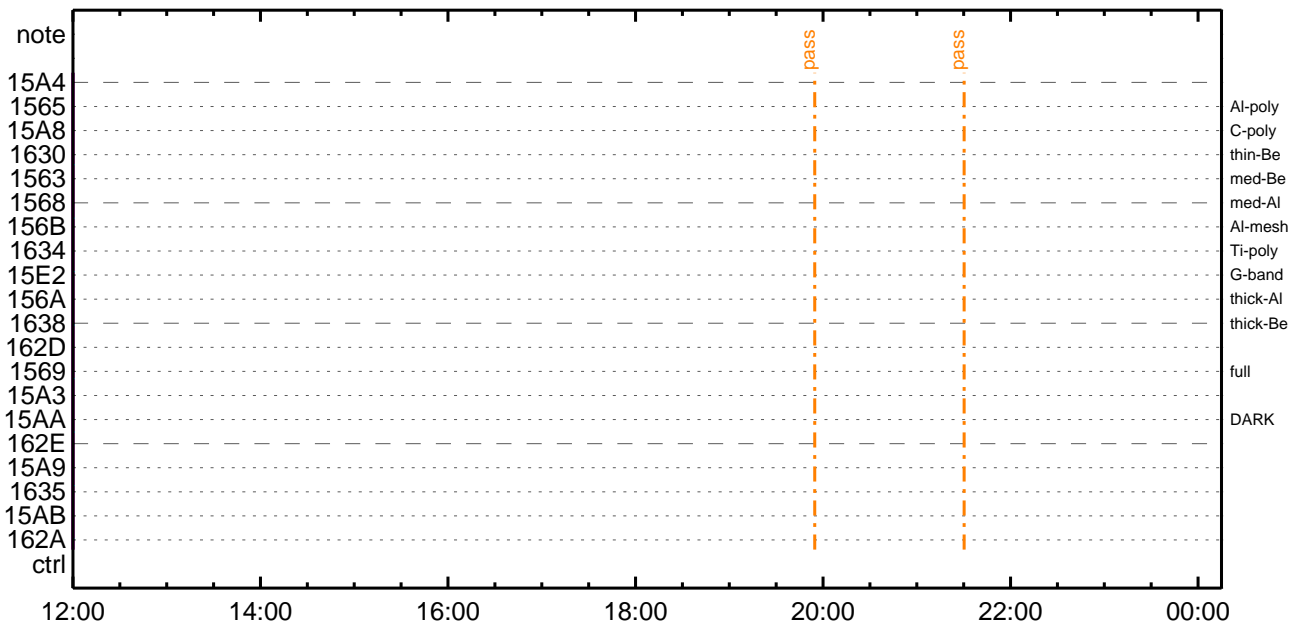
CMDI #0335 2009/01/14



CMDI #0335 2009/01/15



CMDI #0335 2009/01/15



(a) Spacecraft Operation Procedure (real-commands)

main-342 2009-01-10 12:12:47 205 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY\$YÁY-¼Á»Ü;ã
0005 C.
0006 C. YÀYB;¼Y³YFÝÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èò¿òÁò•µ°Æ»Í×ÁÇòÍYçYÁY×Yí;¼YÉ;ÈÈèµ•íÉ;ÈòÈ¼°ÇÓò•ò¿¼í¹çòÍ;çÀ®, ùò¹òÈòòÇÁ+¿®ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OGYí;¼YÉ;|YÁYóYx
0016 C. *****
0017 C.
0018 . C. ;ãOP/OGYí;¼YÉ;ã
0019 . S. OP op-342:OP
0020 ()
0021 . S. OG og-342:OG
0022 ()
0023 C.
0024 . C. ;ãNMOG&OPí°èYÁYóYx;ã
0025 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRМ_SET
0027 BC (20 00 7f 01 02)
0028 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. çç[HK1_PKT_FORM_NO] EQ 7
0036 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. YÀYóYx¼ªª í»òð³íÇ§
0041 C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGòí¼È¹ç•è²ÍOKòð³íÇ§
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRМ_SET
0046 BC (20 80 7f 01 02)
0047 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. çç[HK1_PKT_FORM_NO] EQ 7
0055 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. YÀYóYx¼ªª í»òð³íÇ§
0060 C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGòí¼È¹ç•è²ÍOKòð³íÇ§
0062 C.
0063 C. NMOG(0x210000-0x210FFF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRМ_SET
0065 BC (21 00 41 01 02)
0066 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. çç[HK1_PKT_FORM_NO] EQ 7
0074 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. YÀYóYx¼ªª í»òð³íÇ§
0079 C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OPòí¼È¹ç•è²ÍOKòð³íÇ§
0081 C.
0082 . C. ***** òÈ²¼òí¼Á´¼ÍòòÈÈ-òòÁ+¿® (¼áµ-YÁYóYx¼¼è¼çòðÁÓÃæç¼ªªò²ò¼¼í¹çòçòâ) *****
0083 C. DHUYã;¼YÉ;È¼Y¼;Yí;¼YÉ;ÈòóÍáò¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. çç[HK1_PKT_FORM_NO] EQ 2
0087 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0089 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE |§ OPOG UPLOADò-Á+¿®NGòí¼í¹ç;ç°È²¼òí¼TI-CMDÁ+¿®òí¼Á¹Ôòòòòò³òÈ;f


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0096 C.                0300; SET0EDUMP0I00iYNY10C100|030E;E
0097 C.
0098 . C. TIY3YBY6YED00ADId (UT)
0099 +. TI 2009-01-10 11:05:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                00[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0102 C.
0103 +. TI 2009-01-10 11:05:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                00[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0106 C.
0107 +. TI 2009-01-10 11:05:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                00[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0110 C.
0111 +. TI 2009-01-10 11:09:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                00[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0114 C.
0115 C.                0E2%0IAE%iIN0IYAYSYAY-1aIU
0116 C.                00[HK1_TI_CMD_ENA/DIS]                EQ        ENA
0117 C.                00[HK1_TI_CMD_NUM]                EQ        4
0118 C.                00[HK1_NEXT_EXEC_PIM]                EQ        DHU
0119 C.                00[HK1_NEXT_EXEC_DC]                EQ        0xB3
0120 C.
0121 . C. *****
0122 C. TI0I0EYAY0YX
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;S 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC (03 ab 03 01 02)
0128 C.                00[HK1_DMP_TOP_ADRS_1]                EQ        07
0129 C.                00[HK1_DMP_TOP_ADRS_0]                EQ        2B
0130 C.                00[HK1_DMP_BLOCK_NUM]                EQ        3
0131 C.                00[HK1_DMP_REPEAT_NUM]                EQ        0
0132 C.                00[HK1_DMA_DMP_PIM]                EQ        DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C.                00[HK1_PKT_FORM_NO]                EQ        7
0136 C.                00[HK1_PKT_GEN_TIME]                EQ        0.25 s
0137 C.                00[HK1_S_TLM_BIT_RATE]                EQ        32k
0138 C.                00[HK1_X_TLM_BIT_RATE]                EQ        4M
0139 C.                00[HK1_DMP_CHK_FLG]                EQ        EXEC
0140 C.
0141 . C. YAY0YX%YA I»003IC$
0142 C.                00[HK1_DMP_CHK_FLG]                EQ        NON
0143 C.
0144 . C. RAM ID=TI_TBL0I%E1C.e2IOK003IC$
0145 C.
0146 . C. DHUYa;Y%E;E%Y%Y;i;Y%E;E00Ia01
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.                00[HK1_PKT_FORM_NO]                EQ        2
0150 C.                00[HK1_PKT_GEN_TIME]                EQ        0.5S
0151 C.                00[HK1_S_TLM_BIT_RATE]                EQ        32K
0152 C.                00[HK1_X_TLM_BIT_RATE]                EQ        4M
0153 C.
0154 C. *****
0155 C. SOT TI command set
0156 C. *****
0157 C. Execute, after the success of OP upload.
0158 +. TI 2009-01-10 11:09:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC (41)
0161 . C. -----
0162 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0163 C. -----
0164 C. ***** SOT END *****
0165 . C. Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C. ***** Start EIS operation (TI set) *****
0169 C. Execute, after the success of OP upload.
0170 C. Set EIS TI-commands
0171 +. TI 2009-01-10 11:09:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC (21 02)
0174 +. TI 2009-01-10 11:09:40.0
0175 DC 07-FC EIS_MODE_CHG_DIS
0176 BC (22)
0177 . C. [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0178 C. ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C. ***** XRT START *****
0183 C. Execute, after the success of OP upload.
0184 +. TI 2009-01-10 11:09:00.0
0185 DC 07-F0 MDP_XRT_MODE_STBY
0186 BC (c3)
0187 . C. [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0188 C.
0189 C. ***** XRT END *****
0190 C.
0191 . C. ***** MDP `uAI0I»0Y0EAD010EDCBC.x2e *****
0192 C. (%a0IY0YAYEYBYEYAYCYE0E%000YA»U010e)
0193 . S. DC-BC dcbc-402:DCBC

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0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOSŸÁŸSŸÃŸ-¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 C.
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0096 C.
0097 C.
0098 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCS Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0130 +. DC 07-FC EIS_MODE_MANU
0131 BC (21 02)
0132 . C. Verify EIS in MANUAL mode
0133 . C. Estimated OBSTBL upload time is 27s
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 2009-01-10 11:09:50.0
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 'úÃîïî»ö¼ÝòËÄð¹ñēDCBC•x²è *****
0153 C. (¼ã°îÝÔÝÄÝËÝÞÝËÝÄÝ¼ÝèñË¼ñ¼Ä»Û¹ñè)
0154 . S. DC-BC dcbc-402:DCBC
0155 (MDP_known_event)
0156 C.
0157 C.
0158 . C. ***** ÝÐÝ¹•Ï Daily±¿ÎÑñË´Ø¹ñēDCBC•x²è *****
0159 . S. DC-BC dcbc-153:DCBC
0160 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0161 C.
0162 C.
0163 . C. ;ãLOSÝÄÝ§ÝÄÝ¹¼Ä»Û;ã
0164 C.
0165 . C. ***** LOS *****
0166 C.

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0096 C.
0097 C.
0098 . C. *****
0099 C. SOT table upload
0100 C. *****
0101 . C. < Stop FG table >
0102 +. DC 07-F0 MDP_FG_CTRL_MANU
0103 BC (51)
0104 . C. -----
0105 C. MDP_FG_CTRL_MODE = MANU [ ]
0106 C. -----
0107 C.
0108 . C. <Upload FG Observation Table>
0109 . S. RAM ram-264:MDP_OBS_F
0110 ( )
0111 C.
0112 . C. < Dump RAMID=MDP_OBS_F >
0113 +. DC 07-F0 MDP_DUMP_FGTBL
0114 BC (82 07 00 00 00 38 b8)
0115 C. -----
0116 C. MDP_OBS_F verify = OK/NG [ ]
0117 C. -----
0118 C.
0119 . C. < Stop SP table >
0120 +. DC 07-F0 MDP_SP_CTRL_MANU
0121 BC (61)
0122 C. -----
0123 C. MDP_SP_CTRL_MODE = MANU [ ]
0124 C. -----
0125 C.
0126 . C. <Upload SP Observation Table>
0127 . S. RAM ram-284:MDP_OBS_S
0128 ( )
0129 C.
0130 . C. < Dump RAMID=MDP_OBS_S >
0131 +. DC 07-F0 MDP_DUMP_SPTBL
0132 BC (83 07 00 00 00 38 b8)
0133 C. -----
0134 C. MDP_OBS_S verify = OK/NG [ ]
0135 C. -----
0136 C.
0137 C. *****
0138 C. SOT TI command set
0139 C. *****
0140 C. Execute, after the success of TBL upload.
0141 +. TI 2009-01-10 11:09:18.0
0142 DC 07-F0 MDP_SOT_MODE_OBSV
0143 BC (40)
0144 . C. -----
0145 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0146 C. -----
0147 C.
0148 C.
0149 C. ***** XRT START *****
0150 C.
0151 +. DC 07-F0 MDP_XRT_CTRL_MANU
0152 BC (c1)
0153 + DC 07-F0 MDP_XRT_MODE_STBY
0154 BC (c3)
0155 . C. ----- Success Verify ? OK / NG____
0156 C.
0157 C. XRT Obs. Table Upload
0158 . S. RAM ram-291:MDP_OBS_X
0159 ( )
0160 C.
0161 +. DC 07-F0 MDP_DUMP_XRTTBL
0162 BC (84 07 00 00 00 3a d4)
0163 . C. ----- Comparison Check ? OK / ERR ____
0164 C.
0165 C.
0166 +. DC 07-F0 MDP_XRT_ROI_SET
0167 BC (cd 01 b1 b1 04 04)
0168 + DC 07-F0 MDP_XRT_ROI_SET
0169 BC (cd 02 b1 b1 08 08)
0170 + DC 07-F0 MDP_XRT_ROI_SET
0171 BC (cd 03 b1 b1 08 08)
0172 + DC 07-F0 MDP_XRT_ROI_SET
0173 BC (cd 04 b1 b1 06 06)
0174 + DC 07-F0 MDP_XRT_ROI_SET
0175 BC (cd 06 80 80 06 06)
0176 + DC 07-F0 MDP_XRT_ROI_SET
0177 BC (cd 07 80 80 20 20)
0178 + DC 07-F0 MDP_XRT_ROI_SET
0179 BC (cd 08 c0 c0 10 10)
0180 + DC 07-F0 MDP_XRT_ROI_SET
0181 BC (cd 09 40 c0 10 10)
0182 + DC 07-F0 MDP_XRT_ROI_SET
0183 BC (cd 0a 40 40 10 10)
0184 + DC 07-F0 MDP_XRT_ROI_SET
0185 BC (cd 0b c0 40 10 10)
0186 + DC 07-F0 MDP_XRT_ROI_SET
0187 BC (cd 0c 80 80 08 08)
0188 + DC 07-F0 MDP_XRT_ROI_SET
0189 BC (cd 0f 80 80 04 04)
0190 + DC 07-F0 MDP_XRT_ROI_SET
0191 BC (cd 10 80 80 10 10)
0192 . C. ----- Success Verify ? OK / NG ____
0193 C.

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```
0194 C.
0195 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0196 C.
0197 +. DC 07-F0 MDP_XRT_MODE_OBSV
0198 BC (c2)
0199 +. TI 2009-01-10 11:09:02.0
0200 DC 07-F0 MDP_XRT_MODE_OBSV
0201 BC (c2)
0202 . C. ----- Success Verify ? OK / NG ____
0203 C.
0204 C. ***** XRT END *****
0205 C.
0206 . C. ***** MDP `úÃîñî»ò¼ŷñÊÂðñ¹ñèDCBC•x²è *****
0207 C. (¼á°îŷÓŷÃŷÈŷŷŷËŷáŷçŷèñ¼ññ¼Á»Ûñ¹ñè)
0208 . S. DC-BC dcbc-402:DCBC
0209 (MDP_known_event)
0210 C.
0211 C.
0212 . C. ***** ŷDŷ!•Ï Daily±¿ÎññÊ´Øñ¹ñèDCBC•x²è *****
0213 . S. DC-BC dcbc-153:DCBC
0214 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0215 C.
0216 C.
0217 . C. ¡ãLOSŷÁŷŷŷËŷ-¼Á»Ûñ¹ñè
0218 C.
0219 . C. ***** LOS *****
0220 C.
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*** OP Sequence for XRT ***

```

2009/01/10 11:19:54.0 XRT_CTRL_MANU_433_OG [0x1b1]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/01/10 11:20:00.0 AOCS_ORe-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 02 00 00 00 00
2009/01/10 11:21:32.0 XRT_FOCUS_RECALIBRATE_418_OG [0x1a2]
                        XRT_FOCUS_RECAL 2 07-F8 78 00
2009/01/10 11:25:32.0 XRT_FOCUS_POSITION_441_OG [0x1b9]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2009/01/10 11:25:52.0 XRT_QT_PROG_SET_423_OG [0x1a7]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 11
2009/01/10 11:25:54.0 XRT_AEC_RESET_415_OG [0x19f]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2009/01/10 11:25:56.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/01/10 11:25:58.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/01/10 11:26:00.0 XRT_FLRCTRL_DIS_416_OG [0x1a0]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/01/10 11:26:02.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/01/10 15:52:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/01/10 16:15:30.0 XRT_Custom_430_OG [0x1ae]
2009/01/10 16:16:30.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/01/10 17:28:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/01/10 17:52:00.0 XRT_Custom_430_OG [0x1ae]
2009/01/10 17:53:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/01/10 17:53:24.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/01/10 17:53:26.0 XRT_FOCUS_POSITION_442_OG [0x1ba]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2009/01/10 17:53:30.0 AOCS_ORe-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 00 00 00 00
2009/01/10 17:53:46.0 XRT_QT_PROG_SET_408_OG [0x198]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 07
2009/01/10 17:53:48.0 XRT_FLD_DIS_419_OG [0x1a3]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/01/10 17:53:50.0 XRT_FLRCTRL_DIS_447_OG [0x1bf]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/01/10 17:53:52.0 XRT_ARS_DIS_427_OG [0x1ab]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/01/10 17:55:30.0 XRT_CTRL_AUTO_444_OG [0x1bc]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/01/10 18:03:24.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/01/10 18:03:26.0 XRT_QT_PROG_SET_425_OG [0x1a9]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0f
2009/01/10 18:03:30.0 AOCS_ORe-point_Start_3_OG [0x099]
                        AOCU_NM 5 02-76 00 2e f9 2e f9
2009/01/10 18:06:24.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/01/10 18:06:26.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/01/10 18:06:28.0 XRT_FLRCTRL_DIS_416_OG [0x1a0]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/01/10 18:06:30.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/01/10 18:11:24.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/01/10 18:11:26.0 XRT_QT_PROG_SET_425_OG [0x1a9]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0f
2009/01/10 18:11:30.0 AOCS_ORe-point_Start_4_OG [0x09a]
                        AOCU_NM 5 02-76 00 2c f5 30 28
2009/01/10 18:14:24.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/01/10 18:14:26.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/01/10 18:14:28.0 XRT_FLRCTRL_DIS_416_OG [0x1a0]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/01/10 18:14:30.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/01/10 18:19:24.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/01/10 18:19:26.0 XRT_QT_PROG_SET_425_OG [0x1a9]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0f
2009/01/10 18:19:30.0 AOCS_ORe-point_Start_5_OG [0x09b]
                        AOCU_NM 5 02-76 00 2f f7 31 2f
2009/01/10 18:22:24.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/01/10 18:22:26.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/01/10 18:22:28.0 XRT_FLRCTRL_DIS_416_OG [0x1a0]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/01/10 18:22:30.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/01/10 18:27:24.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/01/10 18:27:26.0 XRT_QT_PROG_SET_412_OG [0x19c]

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2009/01/10	18:27:30.0	AOCS_ORe-point_Start_6_OG [0x09c]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08
		AOCU_NM		5	02-76	00	2e f9 d1 07
2009/01/10	18:30:24.0	XRT_FOCUS_POSITION_436_OG [0x1b4]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2009/01/10	18:30:44.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/01/10	18:30:46.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/01/10	18:30:48.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/01/10	18:30:50.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/01/10	18:35:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/01/10	18:35:26.0	XRT_QT_PROG_SET_412_OG [0x19c]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08
2009/01/10	18:35:30.0	AOCS_ORe-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00	2d f3 d1 82
2009/01/10	18:38:24.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/01/10	18:38:26.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/01/10	18:38:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/01/10	18:38:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/01/10	18:43:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/01/10	18:43:26.0	XRT_QT_PROG_SET_412_OG [0x19c]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08
2009/01/10	18:43:30.0	AOCS_ORe-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	00	31 3f d0 c5
2009/01/10	18:46:24.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/01/10	18:46:26.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/01/10	18:46:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/01/10	18:46:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/01/10	19:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/01/10	19:29:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2009/01/10	19:30:00.0	AOCS_ORe-point_Start_9_OG [0x09f]	AOCU_NM	5	02-76	00	d1 07 d1 07
2009/01/10	19:32:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/01/10	19:32:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/01/10	19:32:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/01/10	19:33:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/01/10	19:37:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/01/10	19:37:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2009/01/10	19:38:00.0	AOCS_ORe-point_Start_10_OG [0x0a0]	AOCU_NM	5	02-76	00	d0 21 d0 ee
2009/01/10	19:40:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/01/10	19:40:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/01/10	19:40:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/01/10	19:41:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/01/10	19:45:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/01/10	19:45:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2009/01/10	19:46:00.0	AOCS_ORe-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	00	d3 7d d0 d5
2009/01/10	19:48:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/01/10	19:48:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/01/10	19:48:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/01/10	19:49:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/01/10	19:53:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/01/10	19:53:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e
2009/01/10	19:54:00.0	AOCS_ORe-point_Start_12_OG [0x0a2]	AOCU_NM	5	02-76	00	d1 07 2e f9
2009/01/10	19:56:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/01/10	19:56:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	

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2009/01/10	19:56:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/10	19:57:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/10	20:01:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/10	20:01:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e				
2009/01/10	20:02:00.0	AOCS_ORe-point_Start_13_OG [0x0a3]							
		AOCU_NM	5	02-76	00 cf 4c 2f 9d				
2009/01/10	20:04:54.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/10	20:04:56.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/10	20:04:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/10	20:05:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/10	20:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/10	20:09:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e				
2009/01/10	20:10:00.0	AOCS_ORe-point_Start_14_OG [0x0a4]							
		AOCU_NM	5	02-76	00 d1 92 30 cc				
2009/01/10	20:12:54.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/10	20:12:56.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/10	20:12:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/10	20:13:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/11	05:38:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/11	05:38:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/01/11	05:39:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/01/11	05:39:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14				
2009/01/11	05:39:18.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/11	05:39:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/11	05:39:22.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/11	05:41:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/11	05:49:00.0	AOCS_ORe-point_Start_15_OG [0x0a5]							
		AOCU_NM	5	02-76	04 00 00 00 00				
2009/01/11	13:29:54.0	XRT_CTRL_MANU_429_OG [0x1ad]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/11	13:32:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/01/11	13:32:52.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2009/01/11	13:32:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/11	13:32:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/11	13:32:58.0	XRT_ARS_DIS_417_OG [0x1a1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/11	13:33:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/11	14:54:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/11	15:04:30.0	XRT_Custom_430_OG [0x1ae]							
2009/01/11	15:05:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/11	15:30:01.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/11	17:41:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/11	17:41:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/01/11	17:41:30.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/01/11	17:41:46.0	XRT_QT_PROG_SET_408_OG [0x198]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2009/01/11	17:41:48.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/11	17:41:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/11	17:41:52.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/11	17:43:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/11	17:51:24.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/11	17:51:30.0	AOCS_ORe-point_Start_15_OG [0x0a5]							
		AOCU_NM	5	02-76	04 00 00 00 00				
2009/01/11	17:54:02.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				

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2009/01/11	17:54:22.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	09			
2009/01/11	17:54:24.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/11	17:54:26.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/11	17:54:28.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/11	17:54:30.0	XRT_ARS_DIS_417_OG [0x1a1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/11	17:54:32.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/11	18:05:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/11	18:29:00.0	XRT_Custom_430_OG [0x1ae]							
2009/01/11	18:30:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/11	19:42:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/11	20:05:30.0	XRT_Custom_430_OG [0x1ae]							
2009/01/11	20:06:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/11	21:19:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/11	21:43:00.0	XRT_Custom_430_OG [0x1ae]							
2009/01/11	21:44:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/11	22:57:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/11	23:18:00.0	XRT_Custom_430_OG [0x1ae]							
2009/01/11	23:19:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	00:34:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	00:42:30.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	00:43:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	01:58:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	02:17:30.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	02:18:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	03:33:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	03:54:30.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	03:55:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	05:03:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	05:32:00.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	05:33:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	05:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	05:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/01/12	06:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00
2009/01/12	06:00:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2009/01/12	06:00:18.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/12	06:00:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/12	06:00:22.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/12	06:02:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	06:09:54.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	06:10:00.0	AOCS_OrE-point_Start_16_OG [0x0a6]							
		AOCU_NM	5	02-76	03	00	00	00	00
2009/01/12	06:12:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/01/12	06:12:52.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	09			
2009/01/12	06:12:54.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/12	06:12:56.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/12	06:12:58.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/12	06:13:00.0	XRT_ARS_DIS_417_OG [0x1a1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/12	06:13:02.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	06:44:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	07:09:30.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	07:10:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	08:24:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				

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2009/01/12	08:46:30.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	08:47:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	10:04:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	10:20:30.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	10:21:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	15:29:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	15:43:00.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	15:44:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	15:49:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	15:52:00.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	15:53:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	17:05:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	17:29:00.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	17:30:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	17:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	17:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/01/12	18:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/01/12	18:00:16.0	XRT_QT_PROG_SET_408_OG [0x198]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2009/01/12	18:00:18.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/12	18:00:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/12	18:00:22.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/12	18:02:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	18:14:54.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	18:15:00.0	AOCS_Ore-point_Start_16_OG [0x0a6]							
		AOCU_NM	5	02-76	03 00 00 00 00				
2009/01/12	18:17:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/01/12	18:17:52.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2009/01/12	18:17:54.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/12	18:17:56.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/12	18:17:58.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/12	18:18:00.0	XRT_ARS_DIS_417_OG [0x1a1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/12	18:18:02.5	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	18:42:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/12	19:05:30.0	XRT_Custom_430_OG [0x1ae]							
2009/01/12	19:06:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/12	20:19:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/13	06:18:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/13	06:18:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/01/13	06:18:30.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/01/13	06:18:46.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14				
2009/01/13	06:18:48.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/13	06:18:50.5	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/13	06:18:52.5	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/13	06:20:30.5	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/01/13	06:29:54.0	XRT_CTRL_MANU_429_OG [0x1ad]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/01/13	06:32:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/01/13	06:32:52.0	XRT_QT_PROG_SET_411_OG [0x19b]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a				
2009/01/13	06:32:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/01/13	06:32:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/01/13	06:32:58.0	XRT_ARS_DIS_417_OG [0x1a1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/01/13	06:33:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							

2009/01/13	11:16:00.0	AOCS_ORe-point_Start_2_OG [0x098]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
		AOCU_NM		5	02-76	00 00 00 00 00