

XRT Timeline to be uploaded on 2010/08/05

Period: 2010/08/05 10:54:00 - 2010/08/10 11:15:00

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Normal mode

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XOB #17F6: AR Standard-A(Filter-Ratio) for FW1=Open, 384x384 at 1064 1048, 2min-cad												
Term	Pointing (x, y)		Comment									
08/05 11:02:30 - 08/05 11:03:54	Fixed (,)											
08/05 11:07:02 - 08/05 17:55:24	Track (395.5, 82.7) @ 08/05 11:04:00		# OP start + 10min, AR 11092. HOP 74, penumbral microjets (11 - 14 UT).									
08/05 21:09:00 - 08/06 01:23:00	Track (475.2, 86.7) @ 08/05 21:05:30		# Resume tracking AR 11092.									
08/06 09:28:02 - 08/06 17:37:54	Track (567.0, 92.9) @ 08/06 09:25:00		* Resume tracking AR 11092. HOP 74, penumbral microjets (11 - 14 UT).									
08/06 18:31:30 - 08/07 05:59:54	Track (624.9, 97.7) @ 08/06 17:48:00		# Cont.									
08/07 06:13:02 - 08/07 10:19:54	Track (702.7, 105.9) @ 08/07 06:10:00		# Cont.									
PROG= 14 Inf.-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 19 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec												
└─ Seqn= 20 4-time(s) 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec												
└─ Open/thick-Al Open/thick-Be close Safe Norm 16.0s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec												
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn= 78 20-time(s) 120.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #17B9: Synoptic Q95 2x2 - Al/mesh(16/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(33/2048) + G-band(16)												
Term	Pointing (x, y)		Comment									
08/05 17:58:32 - 08/05 20:27:30	Fixed (0.0, 0.0)		synoptic, shifted -4.5 min, extended for SOT flat fields.									
08/06 05:43:32 - 08/06 05:50:24	Fixed (0.0, 0.0)		synoptic, shifted -19.5 min									
08/06 17:41:02 - 08/06 17:47:54	Fixed (0.0, 0.0)		synoptic, shifted -22.0 min									
08/07 06:03:02 - 08/07 06:09:54	Fixed (0.0, 0.0)		synoptic									
PROG= 03 1-time(s)												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 7 1-time(s) 4.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 5 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec												
└─ Seqn= 8 1-time(s) 4.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 32ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 4 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 #17F5: AR Standard-B(Morphology) for FW1=Open, 512x512 at 1064 1048, 20sec-cad												
Term	Pointing (x, y)		Comment									
08/06 01:49:00 - 08/06 05:40:24	Track (475.2, 86.7) @ 08/05 21:05:30		# Resume tracking AR 11092.									
08/06 07:48:02 - 08/06 09:24:54	Fixed (-900.0, 192.0)		Fixed pointing at AR 11093 near NE limb for EIS studies.									
PROG= 01 Inf.-time(s)												
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn= 17 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 16.0s Obs 1x1 512x512 (1064, 1048) Q=98 0 0 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1064, 1048) Q=98 0 0 2.0sec												
└─ Seqn= 16 4-time(s) 2.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 250ms Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec												
└─ Open/thick-Al Open/thick-Be close Safe Norm 16.0s Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 92 120-time(s) 20.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 250ms Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #17F7: AR Standard-A(Filter-Ratio) for FW1=Open, 512x512 at 1064 1048, 4min-cad												
Term	Pointing (x, y)		Comment									
08/06 05:53:32 - 08/06 07:44:54	Track (-576.6, -379.9) @ 08/06 05:50:30		# SE near-limb AR in SE.									
PROG= 06 Inf.-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 17 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 16.0s Obs 1x1 512x512 (1064, 1048) Q=98 0 0 2.0sec												

Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	512x512 (1064, 1048)	Q=98	0	0	2.0sec
Seqn= 6 4-time(s) 2.0sec												
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec
Open/thick-Al	Open/thick-Be	close	Safe	Norm	16.0s	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 86 10-time(s) 240.0sec												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	512x512 (1064, 1048)	Q=95	3	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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XOB #17EF: Flare Standard Obs. with eruptions mode-A (FW1=Open)

Term	Pointing (x, y)	Comment
08/05 11:07:02 - 08/05 17:55:24	Track (395.5, 82.7) ^{Ⓢ 08/05 11:04:00}	# OP start + 10min, AR 11092. HOP 74, penumbral microjets (11 - 14 UT).
08/05 21:09:00 - 08/06 01:23:00	Track (475.2, 86.7) ^{Ⓢ 08/05 21:05:30}	# Resume tracking AR 11092.
08/06 01:49:00 - 08/06 05:40:24	Track (475.2, 86.7) ^{Ⓢ 08/05 21:05:30}	# Resume tracking AR 11092.
08/06 05:53:32 - 08/06 07:44:54	Track (-576.6, -379.9) ^{Ⓢ 08/06 05:50:30}	# SE near-limb AR in SE.
08/06 07:48:02 - 08/06 09:24:54	Fixed (-900.0, 192.0)	Fixed pointing at AR 11093 near NE limb for EIS studies.
08/06 09:28:02 - 08/06 17:37:54	Track (567.0, 92.9) ^{Ⓢ 08/06 09:25:00}	* Resume tracking AR 11092. HOP 74, penumbral microjets (11 - 14 UT).
08/06 18:31:30 - 08/07 05:59:54	Track (624.9, 97.7) ^{Ⓢ 08/06 17:48:00}	# Cont.
08/07 06:13:02 - 08/07 10:19:54	Track (702.7, 105.9) ^{Ⓢ 08/07 06:10:00}	# Cont.

PROG= 07 1-time(s)

Subr= 1 30-time(s) 20.0sec												
Seqn= 87 1-time(s) 2.0sec												
Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Seqn= 91 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 90 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
Subr= 3 30-time(s) 60.0sec												
Seqn= 87 1-time(s) 2.0sec												
Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Seqn= 88 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 90 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
Subr= 3 30-time(s) 60.0sec												
Seqn= 87 1-time(s) 2.0sec												
Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Seqn= 88 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 90 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
Subr= 3 30-time(s) 60.0sec												
Seqn= 87 1-time(s) 2.0sec												
Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Seqn= 88 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Subr= 4 24-time(s) 600.0sec												
Seqn= 89 1-time(s) 2.0sec												
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/Al-mesh	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec
Open/Ti-poly	Open/thick-Be	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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Active Region Search

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NOT USED

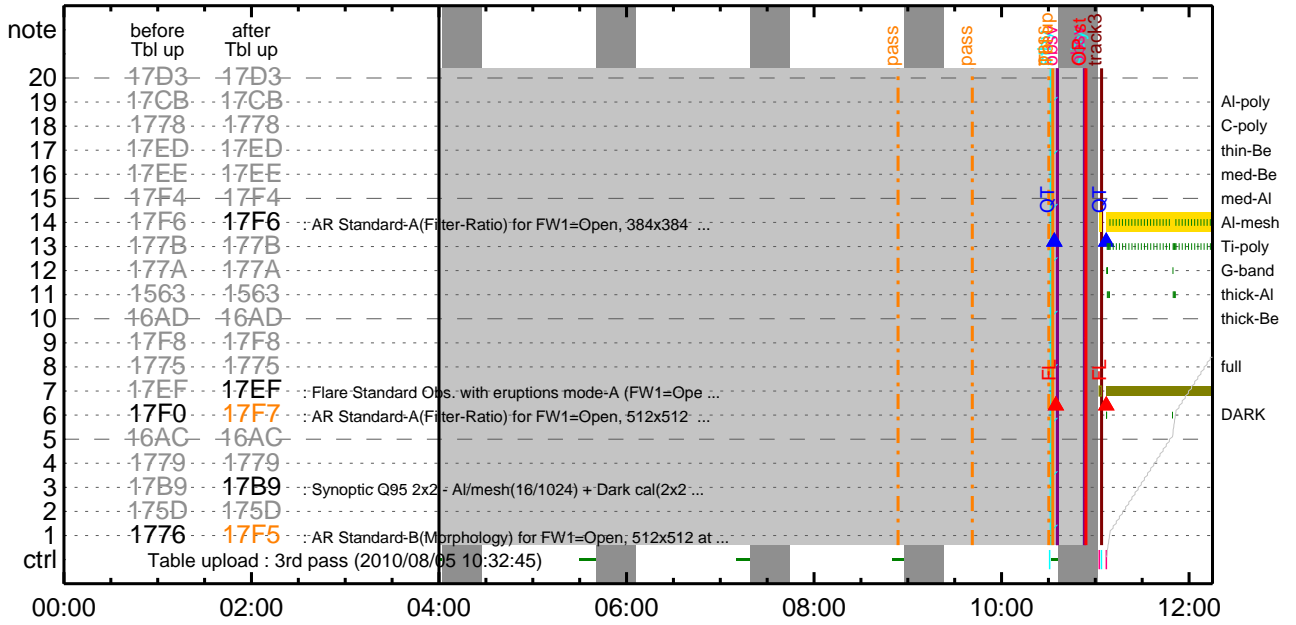
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Flare Detection

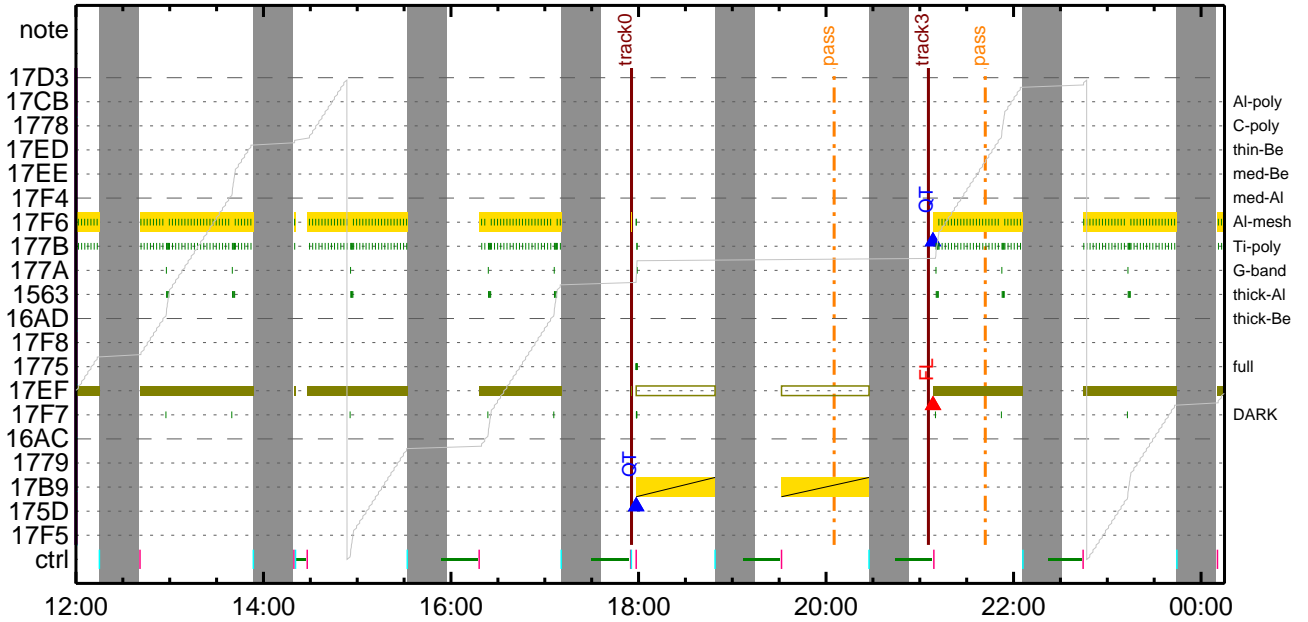
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FLD Patrol											
Term		Pointing (x, y)				Comment					
08/05 11:04:16 - 08/05 17:55:46		Track (395.5, 82.7) @ 08/05 11:04:00				# OP start + 10min, AR 11092. HOP 74, penumbral microjets (11 - 14 UT).					
08/05 21:05:44 - 08/06 05:40:46		Track (475.2, 86.7) @ 08/05 21:05:30				# Resume tracking AR 11092.					
08/06 05:50:46 - 08/06 17:38:16		Track (-576.6, -379.9) @ 08/06 05:50:30				# SE near-limb AR in SE.					
08/06 17:48:16 - 08/07 06:00:16		Track (624.9, 97.7) @ 08/06 17:48:00				# Cont.					
08/07 06:10:16 - 08/10 11:15:00		Track (702.7, 105.9) @ 08/07 06:10:00				# Cont.					
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8ms	Obs	8x8		Q=50		30sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

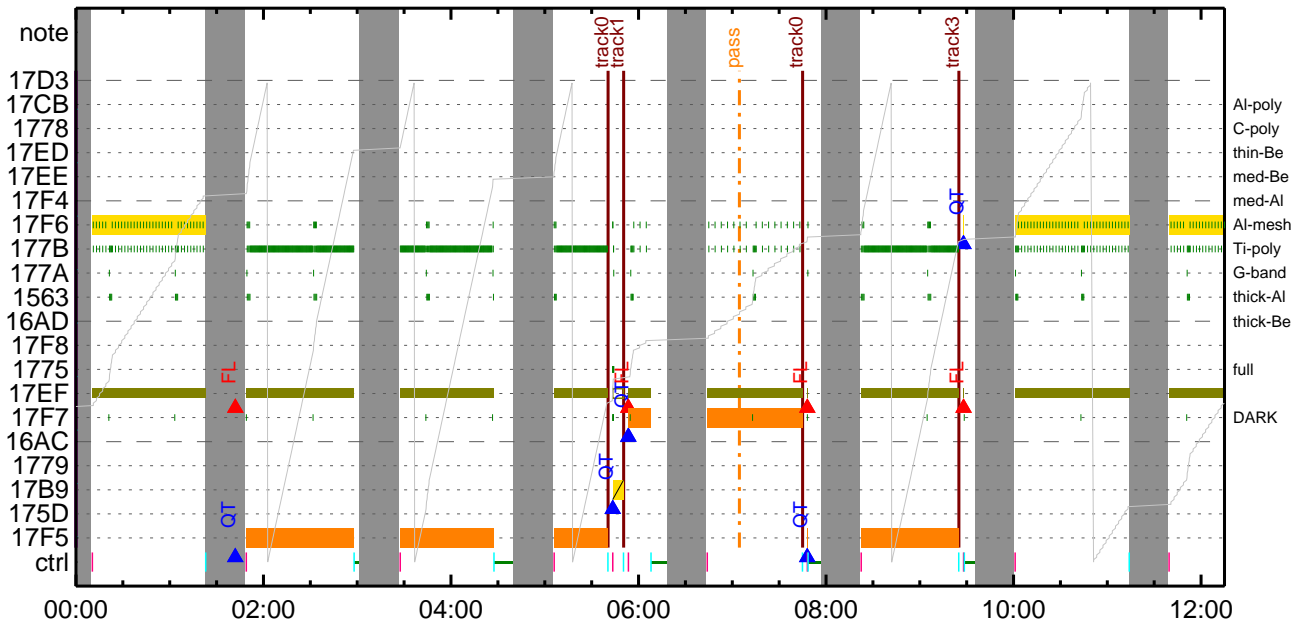
CMDI #0412 2010/08/05



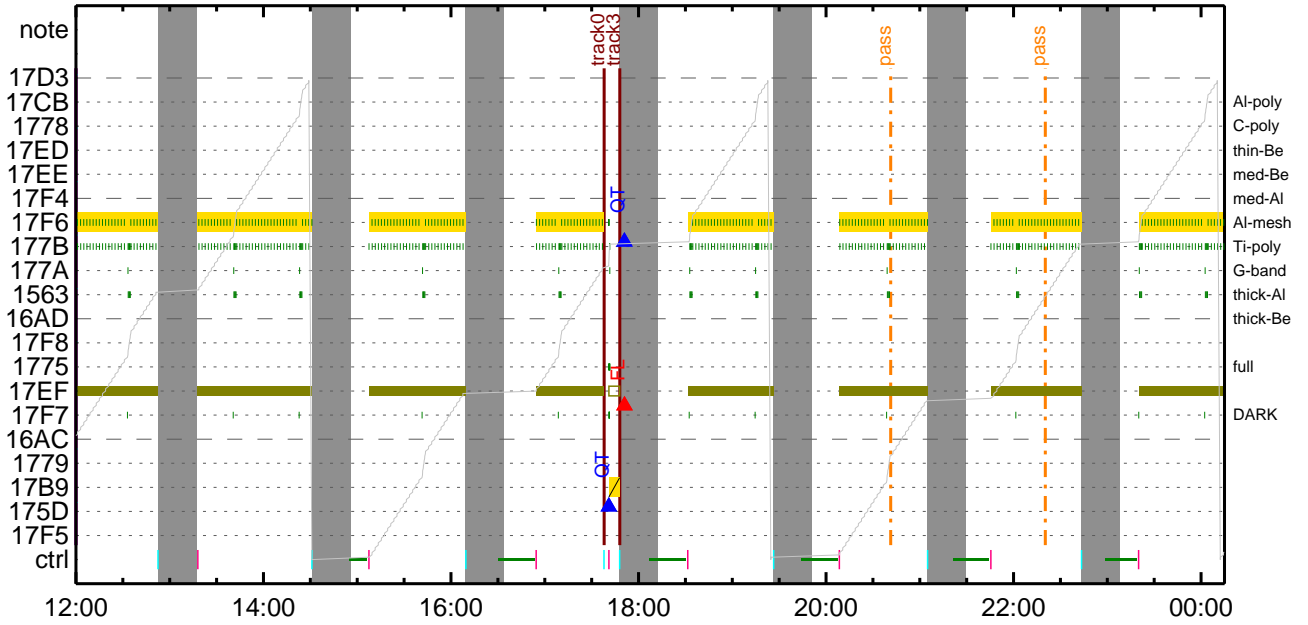
CMDI #0412 2010/08/05



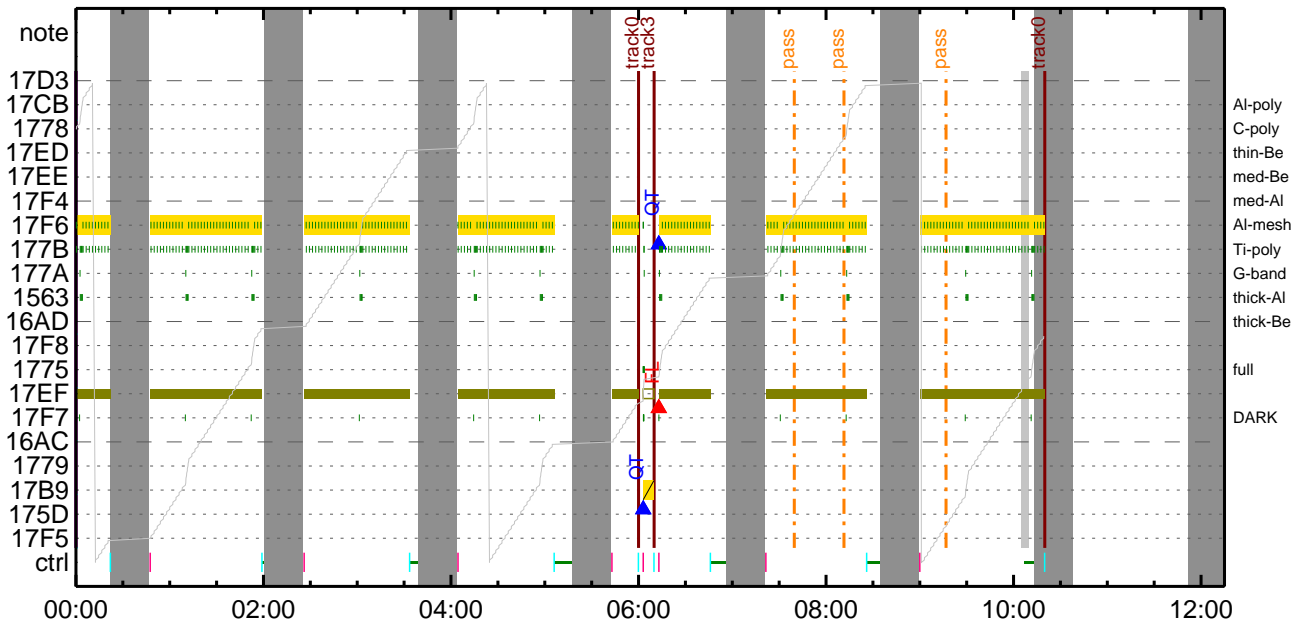
CMDI #0412 2010/08/06



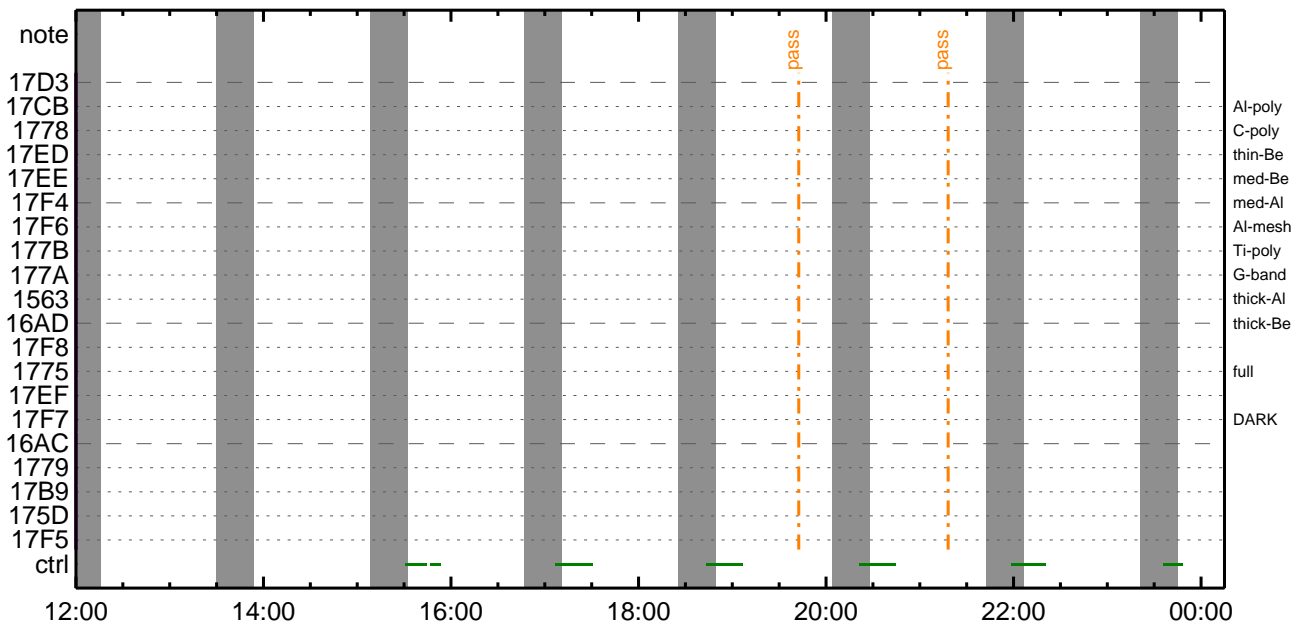
CMDI #0412 2010/08/06



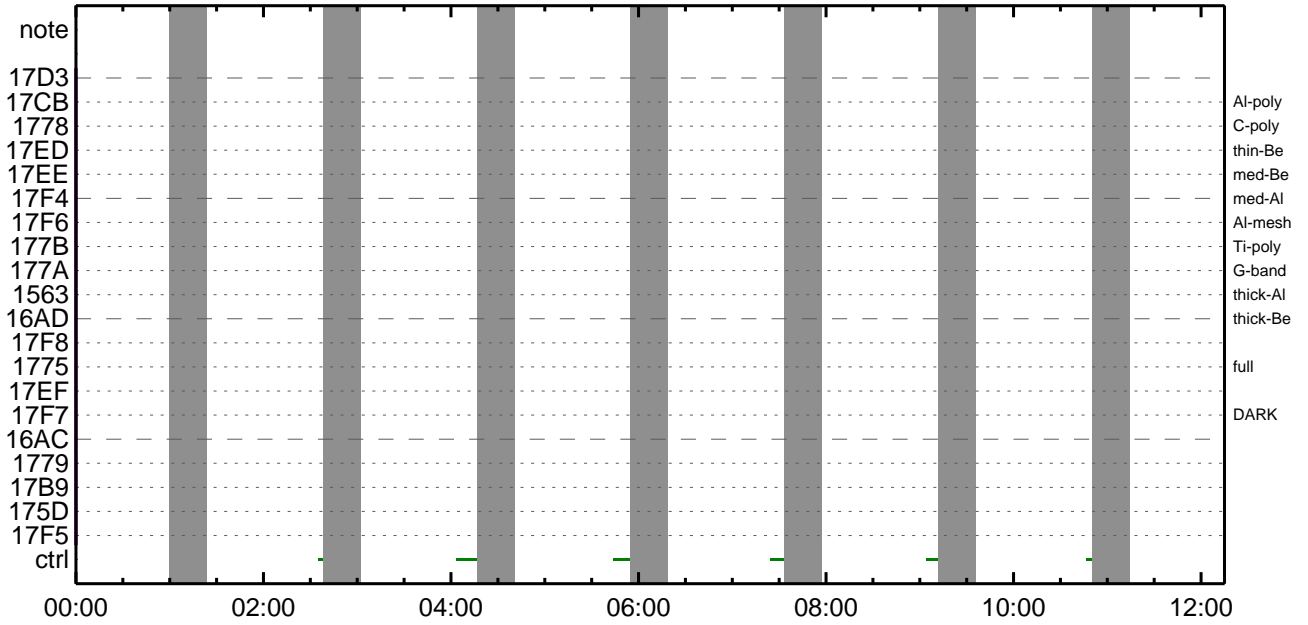
CMDI #0412 2010/08/07



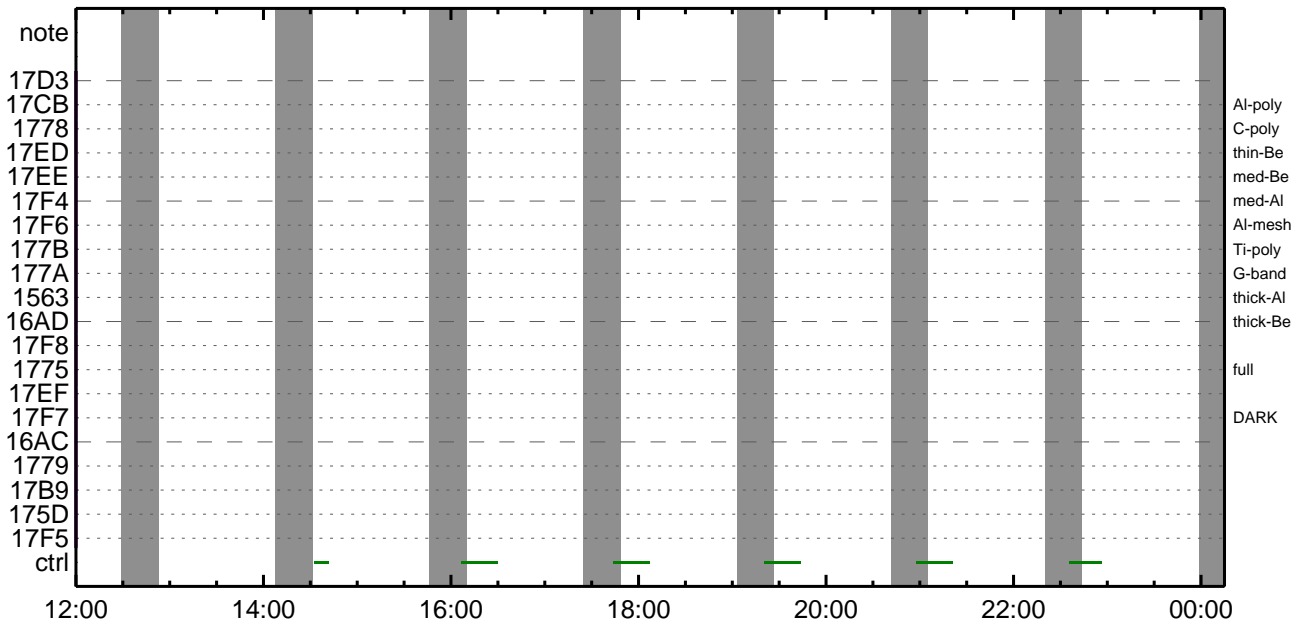
CMDI #0412 2010/08/07



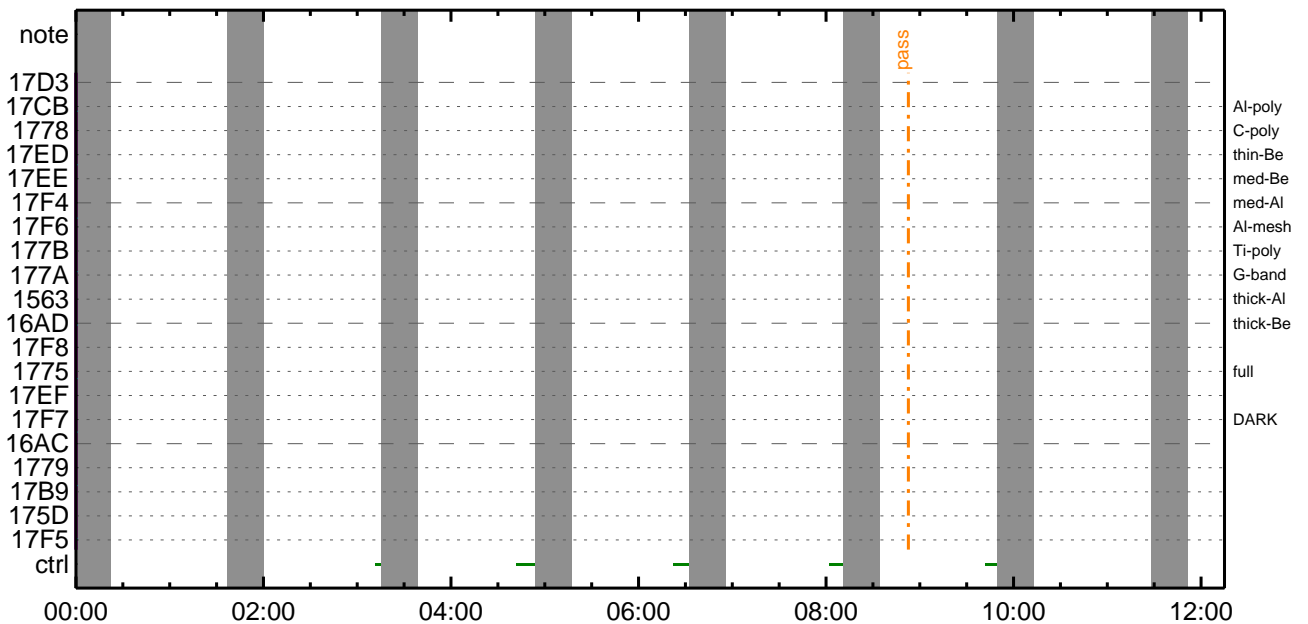
CMDI #0412 2010/08/08



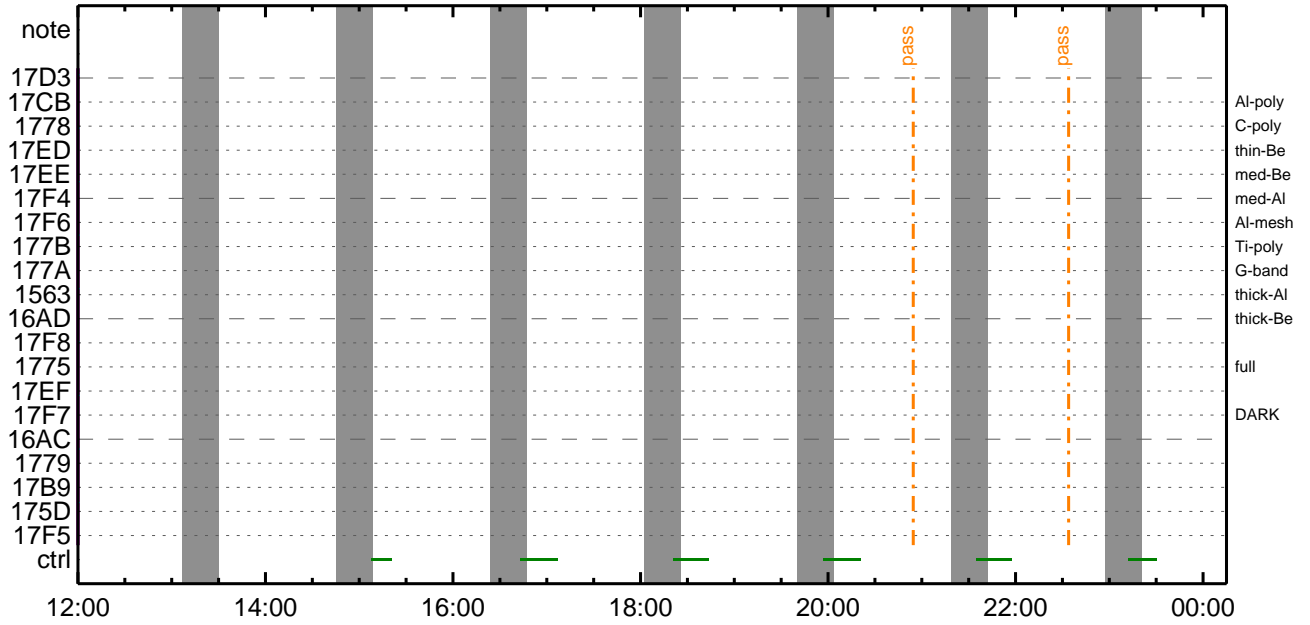
CMDI #0412 2010/08/08



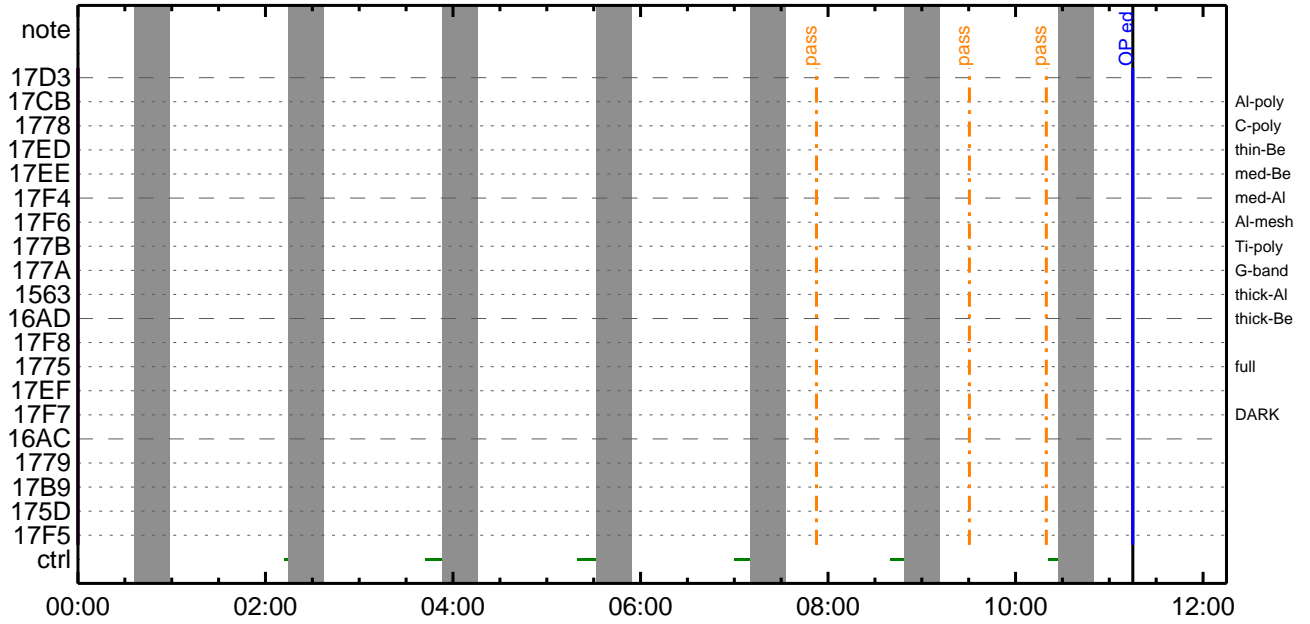
CMDI #0412 2010/08/09



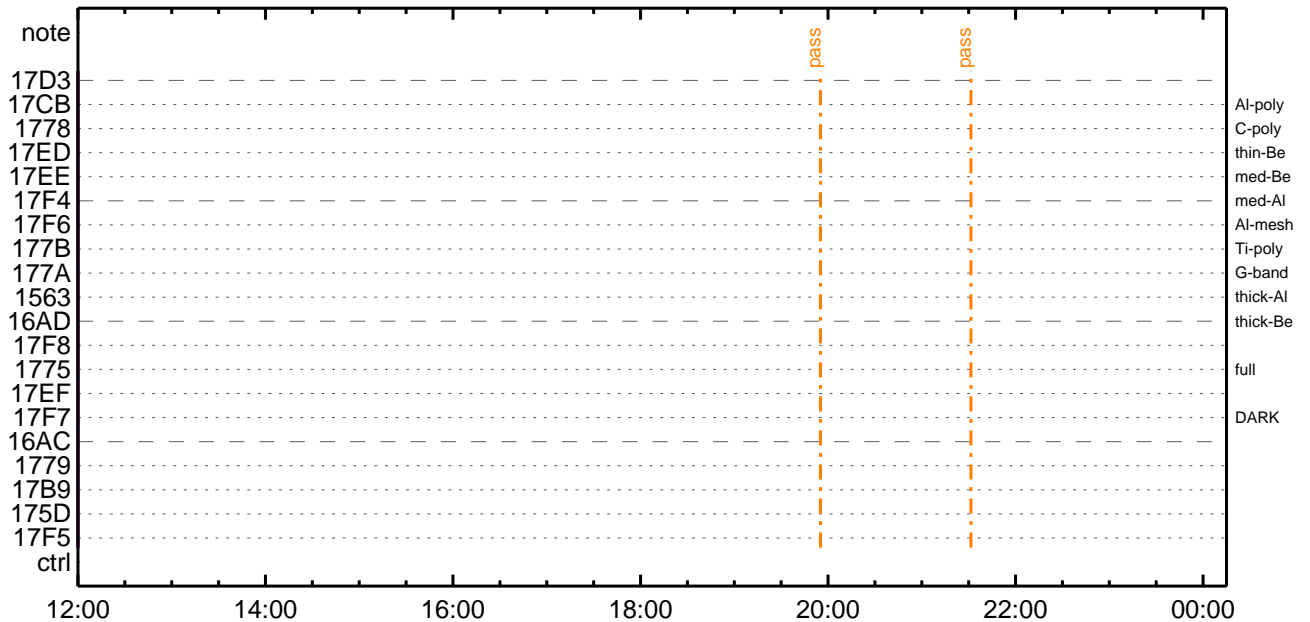
CMDI #0412 2010/08/09



CMDI #0412 2010/08/10



CMDI #0412 2010/08/10



(a) Spacecraft Operation Procedure (real-commands)

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main-509 2010-08-05 12:09:37 205 33 SOLAR-B MAIN //
0001 . C.
0002 . C. ***** AOS *****
0003 . C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ä
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¿òÀò•μ°È»Í×ÁÇòÍYçYÁY×Yí;¼YÉ;ÈÈè¼μ•ííÉ;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;|YÁYÖY×
0016 . C. *****
0017 . C.
0018 . C. ;ãOP/OGYí;¼YÉ;ä
0019 . S. OP op-509:OP
0020 . C.
0021 . S. OG og-509:OG
0022 . C.
0023 . C.
0024 . C. ;ãNMOG&OPÍ°èYÁYÖY×;ä
0025 . C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_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.  YÀYÖY×¼³Á Î»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_PRM_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.  YÀYÖY×¼³Á Î»òð³ÍÇ§
0060 . C.      çç[HK1_DMP_CHK_FLG]            EQ     NON
0061 . C. RAM ID=NMOGòÍ¼È¹ç•è²ÍOKòð³ÍÇ§
0062 . C.
0063 . C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_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.  YÀYÖY×¼³Á Î»òð³ÍÇ§
0079 . C.      çç[HK1_DMP_CHK_FLG]            EQ     NON
0080 . C. RAM ID=NMOG, RAM ID=OPòÍ¼È¹ç•è²ÍOKòð³ÍÇ§
0081 . C.
0082 . C. ***** 0È²¼òÍ¼Á´¶¼òÈÈ-òòÀ+¿® (¼áμ-YÁYÖY×¼È¼çòðÁÓÁæç¼³ò²¼¼í¹çòçòá) *****
0083 . C. DHUYá;¼YÉ;È¼Y¼;Yí;¼YÉ;ÈòðÍáò¹
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°È²¼òÍTI-CMDÁ+¿®òÍ¼Á¹Ôò•òÈòòò³òÈ;f

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0096 C. ...
0097 C.
0098 . C. TI... (UT)
0099 +. TI 2010-08-05 10:49:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C. ... [HK1_TI_CMD_NUM] EQ 1COUNTUP
0102 C.
0103 +. TI 2010-08-05 10:49:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C. ... [HK1_TI_CMD_NUM] EQ 1COUNTUP
0106 C.
0107 +. TI 2010-08-05 10:49:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C. ... [HK1_TI_CMD_NUM] EQ 1COUNTUP
0110 C.
0111 +. TI 2010-08-05 10:53:59.5
0112 DC 01-B2 DHU_OP_START
0113 C. ... [HK1_TI_CMD_NUM] EQ 1COUNTUP
0114 C.
0115 C. ...
0116 C. ... [HK1_TI_CMD_ENA/DIS] EQ ENA
0117 C. ... [HK1_TI_CMD_NUM] EQ 4
0118 C. ... [HK1_NEXT_EXEC_PIM] EQ DHU
0119 C. ... [HK1_NEXT_EXEC_DC] EQ 0xB3
0120 C.
0121 . C. *****
0122 C. TI...
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF; 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC (03 ab 03 01 02)
0128 C. ... [HK1_DMP_TOP_ADRS_1] EQ 07
0129 C. ... [HK1_DMP_TOP_ADRS_0] EQ 2B
0130 C. ... [HK1_DMP_BLOCK_NUM] EQ 3
0131 C. ... [HK1_DMP_REPEAT_NUM] EQ 0
0132 C. ... [HK1_DMA_DMP_PIM] EQ DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C. ... [HK1_PKT_FORM_NO] EQ 7
0136 C. ... [HK1_PKT_GEN_TIME] EQ 0.25 s
0137 C. ... [HK1_S_TLM_BIT_RATE] EQ 32k
0138 C. ... [HK1_X_TLM_BIT_RATE] EQ 4M
0139 C. ... [HK1_DMP_CHK_FLG] EQ EXEC
0140 C.
0141 . C. ...
0142 C. ... [HK1_DMP_CHK_FLG] EQ NON
0143 C.
0144 . C. RAM ID=TI_TBL...
0145 C.
0146 . C. DHU...
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C. ... [HK1_PKT_FORM_NO] EQ 2
0150 C. ... [HK1_PKT_GEN_TIME] EQ 0.5S
0151 C. ... [HK1_S_TLM_BIT_RATE] EQ 32K
0152 C. ... [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 2010-08-05 10:53:16.0
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.
0166 C. ***** XRT START *****
0167 C. Execute, after the success of OP upload.
0168 +. TI 2010-08-05 10:53:00.0
0169 DC 07-F0 MDP_XRT_MODE_STBY
0170 BC (c3)
0171 . C. [] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0172 C.
0173 C. ***** XRT END *****
0174 . C. Stop EIS observation and temporarily disable EIS mode changes
0175 C.
0176 C.
0177 C. ***** Start EIS operation (TI set) *****
0178 C. Execute, after the success of OP upload.
0179 C. Set EIS TI-commands
0180 +. TI 2010-08-05 10:53:30.0
0181 DC 07-FC EIS_MODE_MANU
0182 BC (21 02)
0183 +. TI 2010-08-05 10:53:40.0
0184 DC 07-FC EIS_MODE_CHG_DIS
0185 BC (22)
0186 . C. [] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0187 C. ***** End EIS operation (TI set) *****
0188 C.
0189 C.
0190 C.
0191 . C. ***** MDP ... *****
0192 C. (...)
0193 . S. DC-BC dcbc-402:DCBC

```
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. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 C.
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-511 2010-08-05 12:09:37 138 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YFÝÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿òÁó•µ°È»Í×ÁÇóÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈÈ¼°ÇÓó•ó¿¼l¹çóÍ;çÀ®, ùó¹óÈóÈóçÁ+¿®ó•óÈóóó³óÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 . C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-262:MDP_OBS_F
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 . C. < Stop SP table >
0036 +. DC 07-F0 MDP_SP_CTRL_MANU
0037 BC (61)
0038 C. -----
0039 C. MDP_SP_CTRL_MODE = MANU [ ]
0040 C. -----
0041 C.
0042 . C. <Upload SP Observation Table>
0043 . S. RAM ram-284:MDP_OBS_S
0044 ( )
0045 C.
0046 . C. < Dump RAMID=MDP_OBS_S >
0047 +. DC 07-F0 MDP_DUMP_SPTBL
0048 BC (83 07 00 00 00 38 b8)
0049 C. -----
0050 C. MDP_OBS_S verify = OK/NG [ ]
0051 C. -----
0052 C.
0053 C. *****
0054 C. SOT TI command set
0055 C. *****
0056 C. Execute, after the success of TBL upload.
0057 +. TI 2010-08-05 10:53:18.0
0058 DC 07-F0 MDP_SOT_MODE_OBSV
0059 BC (40)
0060 . C. -----
0061 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0062 C. -----
0063 C.
0064 C.
0065 C. ***** XRT START *****
0066 C.
0067 +. DC 07-F0 MDP_XRT_CTRL_MANU
0068 BC (c1)
0069 + DC 07-F0 MDP_XRT_MODE_STBY
0070 BC (c3)
0071 . C. ----- Success Verify ? OK / NG_____
0072 C.
0073 C. XRT Obs. Table Upload
0074 . S. RAM ram-291:MDP_OBS_X
0075 ( )
0076 C.
0077 +. DC 07-F0 MDP_DUMP_XRTTBL
0078 BC (84 07 00 00 00 3a d4)
0079 . C. ----- Comparison Check ? OK / ERR _____
0080 C.
0081 C.
0082 +. DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 01 b1 b1 04 04)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 02 b1 b1 08 08)
0086 + DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 03 b1 b1 08 08)
0088 + DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 04 b1 b1 06 06)
0090 + DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 06 85 83 06 06)
0092 + DC 07-F0 MDP_XRT_ROI_SET
0093 BC (cd 07 80 80 20 20)
0094 + DC 07-F0 MDP_XRT_ROI_SET
0095 BC (cd 08 80 80 20 08)
```

```
0096 + DC 07-F0 MDP_XRT_ROI_SET
0097 BC (cd 09 80 80 08 20)
0098 + DC 07-F0 MDP_XRT_ROI_SET
0099 BC (cd 0a 85 83 08 08)
0100 + DC 07-F0 MDP_XRT_ROI_SET
0101 BC (cd 0f 80 80 06 06)
0102 + DC 07-F0 MDP_XRT_ROI_SET
0103 BC (cd 10 80 80 08 08)
0104 + DC 07-F0 MDP_XRT_AEC_RESET
0105 BC (d0)
0106 . C. ----- Success Verify ? OK / NG ____
0107 C.
0108 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0109 BC (c4 0e)
0110 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0111 BC (c5 07)
0112 C.
0113 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0114 C.
0115 +. DC 07-F0 MDP_XRT_MODE_OBSV
0116 BC (c2)
0117 +. TI 2010-08-05 10:53:02.0
0118 DC 07-F0 MDP_XRT_MODE_OBSV
0119 BC (c2)
0120 . C. ----- Success Verify ? OK / NG ____
0121 C.
0122 C. ***** XRT END *****
0123 C.
0124 . C. ***** MDP 'ûÃîñî»ö¼ÿñÊÃðñ¹ñèDCBC•x²è *****
0125 C. (¼ã°îÿÓÿÃÿÈÿÞÿËÿáÿçÿèñ¼¼ã¼Ã»Ûñ¹ñè)
0126 . S. DC-BC dcbc-402:DCBC
0127 (MDP_known_event)
0128 C.
0129 C.
0130 . C. ***** ÿDÿ¹•î Daily±;îññÊ'Øñ¹ñèDCBC•x²è *****
0131 . S. DC-BC dcbc-153:DCBC
0132 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0133 C.
0134 C.
0135 . C. ;ãLOSÿÃÿSÿËÿÿ¼Ã»Û;ã
0136 C.
0137 . C. ***** LOS *****
0138 C.
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*** OP Sequence for XRT ***

2010/08/05	11:01:30.0	XRT_Custom_418_OG [0x1a2]			
2010/08/05	11:02:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/05	11:03:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/05	11:03:56.0	XRT_FOCUS_POSITION_409_OG [0x199]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/08/05	11:04:00.0	AOCS_Ore-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	03 00 00 00 00
2010/08/05	11:04:16.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/08/05	11:04:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/08/05	11:04:20.0	XRT_AEC_RESET_441_OG [0x1b9]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2010/08/05	11:04:22.0	XRT_ARS_DIS_420_OG [0x1a4]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/08/05	11:06:56.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/05	11:06:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e
2010/08/05	11:07:00.0	XRT_FL_PROG_SET_405_OG [0x195]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2010/08/05	11:07:02.5	XRT_CTRL_AUTO_406_OG [0x196]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/05	12:15:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/05	12:15:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/05	12:15:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2010/08/05	12:18:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2010/08/05	12:40:00.5	XRT_Custom_418_OG [0x1a2]			
2010/08/05	12:41:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/05	13:53:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/05	13:53:32.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/05	13:53:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2010/08/05	13:56:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2010/08/05	14:18:30.5	XRT_Custom_418_OG [0x1a2]			
2010/08/05	14:19:30.5	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/05	14:20:31.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/05	14:20:33.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/05	14:20:35.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2010/08/05	14:23:45.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2010/08/05	14:27:00.0	XRT_Custom_418_OG [0x1a2]			
2010/08/05	14:28:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/05	15:32:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/05	15:32:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/05	15:32:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2010/08/05	15:35:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2010/08/05	16:17:00.0	XRT_Custom_418_OG [0x1a2]			
2010/08/05	16:18:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/05	17:10:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/05	17:10:32.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/05	17:10:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2010/08/05	17:13:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2010/08/05	17:54:00.0	XRT_Custom_418_OG [0x1a2]			
2010/08/05	17:55:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/05	17:55:24.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/05	17:55:26.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/08/05	17:55:30.0	AOCS_Ore-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2010/08/05	17:55:46.0	XRT_FLD_DIS_402_OG [0x192]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/08/05	17:55:48.0	XRT_FLRCTRL_DIS_403_OG [0x193]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/08/05	17:55:50.0	XRT_ARS_DIS_404_OG [0x194]			

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2010/08/05	17:58:28.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/08/05	17:58:30.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/05	17:58:32.5	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03
2010/08/05	18:49:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/05	18:49:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/05	18:49:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/05	18:52:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/05	19:30:30.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/05	19:31:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	XRT_Custom_418_OG [0x1a2]				
2010/08/05	20:27:30.0	XRT_CTRL_MANU_408_OG [0x198]	XRT_CTRL_AUTO_419_OG [0x1a3]				
2010/08/05	20:27:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/05	20:27:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/05	20:30:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/05	21:05:24.0	XRT_FOCUS_POSITION_409_OG [0x199]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/05	21:05:30.0	AOCS_Or-point_Start_1_OG [0x097]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/05	21:05:44.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2010/08/05	21:05:46.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	AOCU_NM	5	02-76	03	00 00 00 00
2010/08/05	21:05:48.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/08/05	21:05:50.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2010/08/05	21:08:00.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2010/08/05	21:08:24.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/08/05	21:08:26.0	XRT_QT_PROG_SET_448_OG [0x1c0]	XRT_Custom_418_OG [0x1a2]				
2010/08/05	21:08:28.0	XRT_FL_PROG_SET_405_OG [0x195]	XRT_FLD_RESET_412_OG [0x19c]				
2010/08/05	21:09:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/05	22:06:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e
2010/08/05	22:06:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2010/08/05	22:06:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/05	22:09:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/05	22:43:30.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/05	22:44:30.5	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/05	23:44:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/05	23:44:32.0	XRT_FLD_RESET_412_OG [0x19c]	XRT_Custom_418_OG [0x1a2]				
2010/08/05	23:44:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	XRT_CTRL_AUTO_419_OG [0x1a3]				
2010/08/05	23:47:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/06	00:09:30.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/06	00:10:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/06	01:23:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/06	01:23:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/06	01:23:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	XRT_CTRL_AUTO_419_OG [0x1a3]				
2010/08/06	01:26:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/06	01:38:54.0	XRT_FOCUS_POSITION_409_OG [0x199]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/06	01:39:14.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/06	01:39:16.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/06	01:39:18.0	XRT_AEC_RESET_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2010/08/06	01:39:20.0	XRT_ARS_DIS_420_OG [0x1a4]	XRT_FLD_ENA_411_OG [0x19b]				
2010/08/06	01:41:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/08/06	01:41:56.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2010/08/06	01:41:58.0	XRT_FL_PROG_SET_405_OG [0x195]	MDP_XRT_AEC_RESET	1	07-F0	d0	
			MDP_XRT_ARS_DIS	1	07-F0	d5	
			MDP_XRT_FLD_RESET	1	07-F0	da	
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	01
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	07

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2010/08/06	01:48:00.0	XRT_Custom_418_OG [0x1a2]						
2010/08/06	01:49:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/06	02:58:00.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/06	02:58:02.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/06	02:58:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/08/06	03:01:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/08/06	03:26:30.5	XRT_Custom_418_OG [0x1a2]						
2010/08/06	03:27:30.5	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/06	04:27:30.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/06	04:27:32.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/06	04:27:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/08/06	04:30:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/08/06	05:05:00.5	XRT_Custom_418_OG [0x1a2]						
2010/08/06	05:06:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/06	05:40:24.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/06	05:40:26.0	XRT_FOCUS_POSITION_401_OG [0x191]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2010/08/06	05:40:30.0	AOCS_Ore-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2010/08/06	05:40:46.0	XRT_FLD_DIS_402_OG [0x192]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2010/08/06	05:40:48.0	XRT_FLRCTRL_DIS_403_OG [0x193]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/08/06	05:40:50.0	XRT_ARS_DIS_404_OG [0x194]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/08/06	05:43:28.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/06	05:43:30.0	XRT_QT_PROG_SET_407_OG [0x197]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03			
2010/08/06	05:43:32.0	XRT_CTRL_AUTO_406_OG [0x196]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/06	05:50:24.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/06	05:50:26.0	XRT_FOCUS_POSITION_409_OG [0x199]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2010/08/06	05:50:30.0	AOCS_Ore-point_Start_3_OG [0x099]						
		AOCU_NM	5	02-76	01 00 00 00 00			
2010/08/06	05:50:46.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/08/06	05:50:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2010/08/06	05:50:50.0	XRT_AEC_RESET_441_OG [0x1b9]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2010/08/06	05:50:52.0	XRT_ARS_DIS_420_OG [0x1a4]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/08/06	05:53:26.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/06	05:53:28.0	XRT_QT_PROG_SET_439_OG [0x1b7]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06			
2010/08/06	05:53:30.5	XRT_FL_PROG_SET_405_OG [0x195]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07			
2010/08/06	05:53:32.5	XRT_CTRL_AUTO_406_OG [0x196]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/06	06:08:00.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/06	06:08:02.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/06	06:08:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/08/06	06:11:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/08/06	06:43:00.0	XRT_Custom_418_OG [0x1a2]						
2010/08/06	06:44:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/06	07:44:54.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/06	07:44:56.0	XRT_FOCUS_POSITION_409_OG [0x199]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2010/08/06	07:45:00.0	AOCS_Ore-point_Start_4_OG [0x09a]						
		AOCU_NM	5	02-76	00 ee f2 50 00			
2010/08/06	07:45:16.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/08/06	07:45:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2010/08/06	07:45:20.0	XRT_AEC_RESET_441_OG [0x1b9]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2010/08/06	07:45:22.0	XRT_ARS_DIS_420_OG [0x1a4]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/08/06	07:47:56.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/06	07:47:58.0	XRT_QT_PROG_SET_425_OG [0x1a9]						

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2010/08/06	07:48:00.0	XRT_FL_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	07
2010/08/06	07:48:02.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/06	07:48:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/06	07:48:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/06	07:48:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/06	07:51:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/06	08:21:30.0	XRT_Custom_418_OG [0x1a2]					
2010/08/06	08:22:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/06	09:24:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/06	09:24:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/08/06	09:25:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	03 00 00 00 00	
2010/08/06	09:25:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/08/06	09:25:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2010/08/06	09:25:20.0	XRT_AEC_RESET_441_OG [0x1b9]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2010/08/06	09:25:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/08/06	09:27:56.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/06	09:27:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e	
2010/08/06	09:28:00.0	XRT_FL_PROG_SET_405_OG [0x195]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	
2010/08/06	09:28:02.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/06	09:28:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/06	09:28:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/06	09:28:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/06	09:31:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/06	10:00:00.5	XRT_Custom_418_OG [0x1a2]					
2010/08/06	10:01:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/06	11:14:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/06	11:14:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/06	11:14:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/06	11:17:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/06	11:38:30.5	XRT_Custom_418_OG [0x1a2]					
2010/08/06	11:39:30.5	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/06	12:52:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/06	12:52:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/06	12:52:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/06	12:55:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/06	13:17:00.5	XRT_Custom_418_OG [0x1a2]					
2010/08/06	13:18:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/06	14:31:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/06	14:31:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/06	14:31:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/06	14:34:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/06	15:06:30.0	XRT_Custom_418_OG [0x1a2]					
2010/08/06	15:07:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/08/06	16:09:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/08/06	16:09:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/08/06	16:09:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2010/08/06	16:12:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2010/08/06	16:53:30.0	XRT_Custom_418_OG [0x1a2]					
2010/08/06	16:54:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	

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2010/08/06	17:37:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/06	17:37:56.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/08/06	17:38:00.0	AOCS_ORe-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2010/08/06	17:38:16.0	XRT_FLD_DIS_402_OG [0x192]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/08/06	17:38:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/08/06	17:38:20.0	XRT_ARS_DIS_404_OG [0x194]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/08/06	17:40:58.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/06	17:41:00.0	XRT_QT_PROG_SET_407_OG [0x197]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2010/08/06	17:41:02.5	XRT_CTRL_AUTO_406_OG [0x196]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/06	17:47:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/06	17:47:56.0	XRT_FOCUS_POSITION_409_OG [0x199]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/08/06	17:48:00.0	AOCS_ORe-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	03 00 00 00 00
2010/08/06	17:48:16.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/08/06	17:48:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/08/06	17:48:20.0	XRT_AEC_RESET_441_OG [0x1b9]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2010/08/06	17:48:22.0	XRT_ARS_DIS_420_OG [0x1a4]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/08/06	17:50:56.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/06	17:50:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e
2010/08/06	17:51:00.0	XRT_FL_PROG_SET_405_OG [0x195]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2010/08/06	18:30:30.5	XRT_Custom_418_OG [0x1a2]			
2010/08/06	18:31:30.5	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/06	19:26:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/06	19:26:32.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/06	19:26:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2010/08/06	19:29:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2010/08/06	20:07:30.0	XRT_Custom_418_OG [0x1a2]			
2010/08/06	20:08:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/06	21:05:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/06	21:05:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/06	21:05:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2010/08/06	21:08:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2010/08/06	21:44:30.0	XRT_Custom_418_OG [0x1a2]			
2010/08/06	21:45:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/06	22:43:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/06	22:43:32.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/06	22:43:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2010/08/06	22:46:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2010/08/06	23:19:00.0	XRT_Custom_418_OG [0x1a2]			
2010/08/06	23:20:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/07	00:22:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/07	00:22:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/07	00:22:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2010/08/07	00:25:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2010/08/07	00:46:30.0	XRT_Custom_418_OG [0x1a2]			
2010/08/07	00:47:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/08/07	01:59:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/08/07	01:59:02.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/08/07	01:59:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2010/08/07	02:02:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9

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2010/08/07	02:25:00.0	XRT_Custom_418_OG [0x1a2]						
2010/08/07	02:26:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/07	03:33:30.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/07	03:33:32.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/07	03:33:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/08/07	03:36:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/08/07	04:03:30.0	XRT_Custom_418_OG [0x1a2]						
2010/08/07	04:04:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/07	05:06:00.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/07	05:06:02.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/07	05:06:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/08/07	05:09:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/08/07	05:42:00.0	XRT_Custom_418_OG [0x1a2]						
2010/08/07	05:43:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/07	05:59:54.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/07	05:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2010/08/07	06:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2010/08/07	06:00:16.0	XRT_FLD_DIS_402_OG [0x192]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2010/08/07	06:00:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/08/07	06:00:20.0	XRT_ARS_DIS_404_OG [0x194]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/08/07	06:02:58.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/07	06:03:00.0	XRT_QT_PROG_SET_407_OG [0x197]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03			
2010/08/07	06:03:02.0	XRT_CTRL_AUTO_406_OG [0x196]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/07	06:09:54.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/07	06:09:56.0	XRT_FOCUS_POSITION_409_OG [0x199]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2010/08/07	06:10:00.0	AOCS_Ore-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	03 00 00 00 00			
2010/08/07	06:10:16.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/08/07	06:10:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2010/08/07	06:10:20.0	XRT_AEC_RESET_441_OG [0x1b9]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2010/08/07	06:10:22.0	XRT_ARS_DIS_420_OG [0x1a4]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/08/07	06:12:56.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/07	06:12:58.0	XRT_QT_PROG_SET_448_OG [0x1c0]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e			
2010/08/07	06:13:00.0	XRT_FL_PROG_SET_405_OG [0x195]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07			
2010/08/07	06:13:02.5	XRT_CTRL_AUTO_406_OG [0x196]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/07	06:46:00.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/07	06:46:02.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/07	06:46:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/08/07	06:49:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/08/07	07:20:30.0	XRT_Custom_418_OG [0x1a2]						
2010/08/07	07:21:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/07	08:26:00.0	XRT_CTRL_MANU_408_OG [0x198]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/07	08:26:02.0	XRT_FLD_RESET_412_OG [0x19c]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2010/08/07	08:26:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2010/08/07	08:29:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2010/08/07	08:59:00.5	XRT_Custom_418_OG [0x1a2]						
2010/08/07	09:00:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/08/07	10:19:54.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/08/07	10:20:00.0	AOCS_Ore-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 00 00 00 00			