

XRT Timeline to be uploaded on 2013/04/18

Period: 2013/04/18 10:49:00 - 2013/04/23 10:38:00

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Normal mode

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XOB #196B: Synoptic Q95 2x2 - Al/mesh(44/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(88/2048) + Thin-Be(25)

Term	Pointing (x, y)	Comment
04/19 17:38:00 - 04/19 17:45:00	Fixed (0.0, 0.0)	synoptic, shifted -25.0 min
04/20 06:00:00 - 04/20 06:06:54	Fixed (0.0, 0.0)	synoptic, shifted -3.0 min
PROG= 08 1-time(s)		
Subr= 1 1-time(s) 14.0sec		
Seqn= 16 1-time(s) 4.0sec		
Open/Al-mesh Open/Al-mesh close	Safe Norm 44ms	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= 26 1-time(s) 4.0sec		
Open/Ti-poly Open/Ti-poly close	Safe Norm 86ms	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= 19 1-time(s) 2.0sec		
thin-Be/Open thin-Be/Open close	Safe Norm 250ms	Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open thin-Be/Open close	Safe Norm 4.00s	Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 14 1-time(s) 2.0sec		
Open/G-band Open/G-band open	Safe Norm 8ms	Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 12 1-time(s) 2.0sec		
Open/G-band Open/G-band close	Safe Norm 32ms	Obs 1x1 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1982: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 1st Quadrant - Al/mesh, Ti/Poly-long - w leak image-33 ms

Term	Pointing (x, y)	Comment
04/19 18:28:00 - 04/19 18:34:54	Fixed (-528.4, -528.4)	# XRT quadrant observations 1/4
PROG= 03 1-time(s)		
Subr= 1 1-time(s) 12.0sec		
Seqn= 1 1-time(s) 12.0sec		
Open/G-band Open/G-band open	Safe Norm 44ms	Obs 1x1 1024x1024 (1536, 1536) Q=90 0 0 2.0sec
Open/G-band Open/G-band open	Safe Norm 44ms	Obs 1x1 1024x1024 (1536, 1536) Q=90 0 0 2.0sec
Open/thick-Be Open/thick-Be close	Safe Dark 44ms	Obs 1x1 1024x1024 (1536, 1536) Q=98 0 0 2.0sec
Open/thick-Be Open/thick-Be close	Safe Dark 44ms	Obs 1x1 1024x1024 (1536, 1536) Q=98 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 6 2-time(s) 2.0sec		
Open/Al-mesh Open/Ti-poly close	Safe Norm 4.00s	Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Ti-poly Open/thick-Al close	Safe Norm 8.00s	Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Subr= 3 2-time(s) 2.0sec		
Seqn= 12 1-time(s) 2.0sec		
Open/G-band Open/G-band close	Safe Norm 32ms	Obs 1x1 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
Seqn= 7 1-time(s) 2.0sec		
Open/G-band Open/G-band open	Safe Norm 12ms	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 #1983: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 2nd Quadrant - Al/mesh, Ti/Poly-long - w leak image-33 ms

Term	Pointing (x, y)	Comment
04/19 18:38:00 - 04/19 18:44:54	Fixed (528.4, -528.4)	# 2/4
PROG= 20 1-time(s)		
Subr= 1 1-time(s) 12.0sec		
Seqn= 2 1-time(s) 12.0sec		
Open/G-band Open/G-band open	Safe Norm 44ms	Obs 1x1 1024x1024 (512, 1536) Q=90 0 0 2.0sec
Open/G-band Open/G-band open	Safe Norm 44ms	Obs 1x1 1024x1024 (512, 1536) Q=90 0 0 2.0sec
Open/thick-Be Open/thick-Be close	Safe Dark 44ms	Obs 1x1 1024x1024 (512, 1536) Q=98 0 0 2.0sec
Open/thick-Be Open/thick-Be close	Safe Dark 44ms	Obs 1x1 1024x1024 (512, 1536) Q=98 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 6 2-time(s) 2.0sec		
Open/Al-mesh Open/Ti-poly close	Safe Norm 4.00s	Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Ti-poly Open/thick-Al close	Safe Norm 8.00s	Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Subr= 3 2-time(s) 2.0sec		
Seqn= 12 1-time(s) 2.0sec		
Open/G-band Open/G-band close	Safe Norm 32ms	Obs 1x1 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
Seqn= 7 1-time(s) 2.0sec		
Open/G-band Open/G-band open	Safe Norm 12ms	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 #1984: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 3rd Quadrant - Al/mesh, Ti/Poly-long - w leak image-33 ms

Term	Pointing (x, y)	Comment
04/19 18:48:00 - 04/19 18:54:54	Fixed (528.4, 528.4)	# 3/4
PROG= 19 1-time(s)		
└─ Subr= 1 1-time(s) 12.0sec		
└─ Seqn= 3 1-time(s) 12.0sec		
Open/G-band	Open/G-band open	Safe Norm 44ms Obs 1x1 1024x1024 (512, 512) Q=90 0 0 2.0sec
Open/G-band	Open/G-band open	Safe Norm 44ms Obs 1x1 1024x1024 (512, 512) Q=90 0 0 2.0sec
Open/thick-Be	Open/thick-Be close	Safe Dark 44ms Obs 1x1 1024x1024 (512, 512) Q=98 0 0 2.0sec
Open/thick-Be	Open/thick-Be close	Safe Dark 44ms Obs 1x1 1024x1024 (512, 512) Q=98 0 0 2.0sec
└─ Subr= 2 1-time(s) 2.0sec		
└─ Seqn= 6 2-time(s) 2.0sec		
Open/Al-mesh	Open/Ti-poly close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─ Subr= 3 2-time(s) 2.0sec		
└─ Seqn= 12 1-time(s) 2.0sec		
Open/G-band	Open/G-band close	Safe Norm 32ms Obs 1x1 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
└─ Seqn= 7 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 12ms 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 #1985: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 4th Quadrant - Al/mesh, Ti/Poly-long - w leak image-33 ms

Term	Pointing (x, y)	Comment
04/19 18:58:00 - 04/19 19:04:54	Fixed (-528.4, 528.4)	# 4/4
PROG= 04 1-time(s)		
└─ Subr= 1 1-time(s) 12.0sec		
└─ Seqn= 4 1-time(s) 12.0sec		
Open/G-band	Open/G-band open	Safe Norm 44ms Obs 1x1 1024x1024 (1536, 512) Q=90 0 0 2.0sec
Open/G-band	Open/G-band open	Safe Norm 44ms Obs 1x1 1024x1024 (1536, 512) Q=90 0 0 2.0sec
Open/thick-Be	Open/thick-Be close	Safe Dark 44ms Obs 1x1 1024x1024 (1536, 512) Q=98 0 0 2.0sec
Open/thick-Be	Open/thick-Be close	Safe Dark 44ms Obs 1x1 1024x1024 (1536, 512) Q=98 0 0 2.0sec
└─ Subr= 2 1-time(s) 2.0sec		
└─ Seqn= 6 2-time(s) 2.0sec		
Open/Al-mesh	Open/Ti-poly close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
└─ Subr= 3 1-time(s) 2.0sec		
└─ Seqn= 12 1-time(s) 2.0sec		
Open/G-band	Open/G-band close	Safe Norm 32ms Obs 1x1 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
└─ Seqn= 7 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 12ms 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 #196C: AR Standard-B(Morphology) with PFB 384 FOV, thin-Be (384FOV) + multifilter (512FOV) context, at 1064 1048, 24s-cad - shorter G-band (33ms)

Term	Pointing (x, y)	Comment
04/19 19:08:00 - 04/20 05:56:54	Track (401.9, -260.0) @ 04/19 19:05:00	# AR 11723.
04/20 06:10:00 - 04/20 09:09:00	Track (483.5, -264.7) @ 04/20 06:07:00	# AR 11723.
PROG= 02 Inf.-time(s)		
└─ Subr= 1 1-time(s) 2.0sec		
└─ Seqn= 18 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 32ms Obs 1x1 512x512 (1064, 1048) Q=98 0 0 2.0sec
└─ Seqn= 13 1-time(s) 2.0sec		
Open/G-band	Open/G-band close	Safe Norm 63ms Obs 1x1 512x512 (1064, 1048) DPCM 0 0 2.0sec
└─ Seqn= 17 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-Al close	Safe Norm 16.0s Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec
Al-poly/Open	Al-poly/thick-Be close	Safe Norm 250ms Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec
C-poly/Open	C-poly/thick-Al close	Safe Norm 250ms Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 1.00s Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec
med-Be/Open	med-Be/Open close	Safe Norm 16.0s Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec
med-Al/Open	med-Al/thick-Al close	Safe Norm 16.0s Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec
└─ Subr= 2 1-time(s) 2.0sec		
└─ Seqn= 20 150-time(s) 2.0sec		
thin-Be/Open	med-Be/Open close	Safe Norm 1.41s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 6.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 1.41s Obs 1x1 384x384 (1064, 1048) Q=95 3 1 6.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 1.41s Obs 1x1 384x384 (1064, 1048) Q=95 3 2 6.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 1.41s Obs 1x1 384x384 (1064, 1048) Q=95 3 3 6.0sec
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 #1980: Flare obs. dynamics - thin-Be high cadence + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2)-Gband (45ms)-15 loops-2

Term	Pointing (x, y)	Comment
04/19 19:08:00 - 04/20 05:56:54	Track (401.9, -260.0) @ 04/19 19:05:00	# AR 11723.
04/20 06:10:00 - 04/20 09:09:00	Track (483.5, -264.7) @ 04/20 06:07:00	# AR 11723.
PROG= 05 15-time(s)		
└─ Subr= 1 45-time(s) 10.0sec		
└─ Seqn= 9 1-time(s) 2.0sec		

thin-Be/Open	med-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Subr= 2 1-time(s) 10.0sec												
Seqn= 10 1-time(s) 2.0sec												
med-Al/Open	med-Al/thick-Al	close	Safe	Norm	500ms	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= 11 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Seqn= 15 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	44ms	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
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

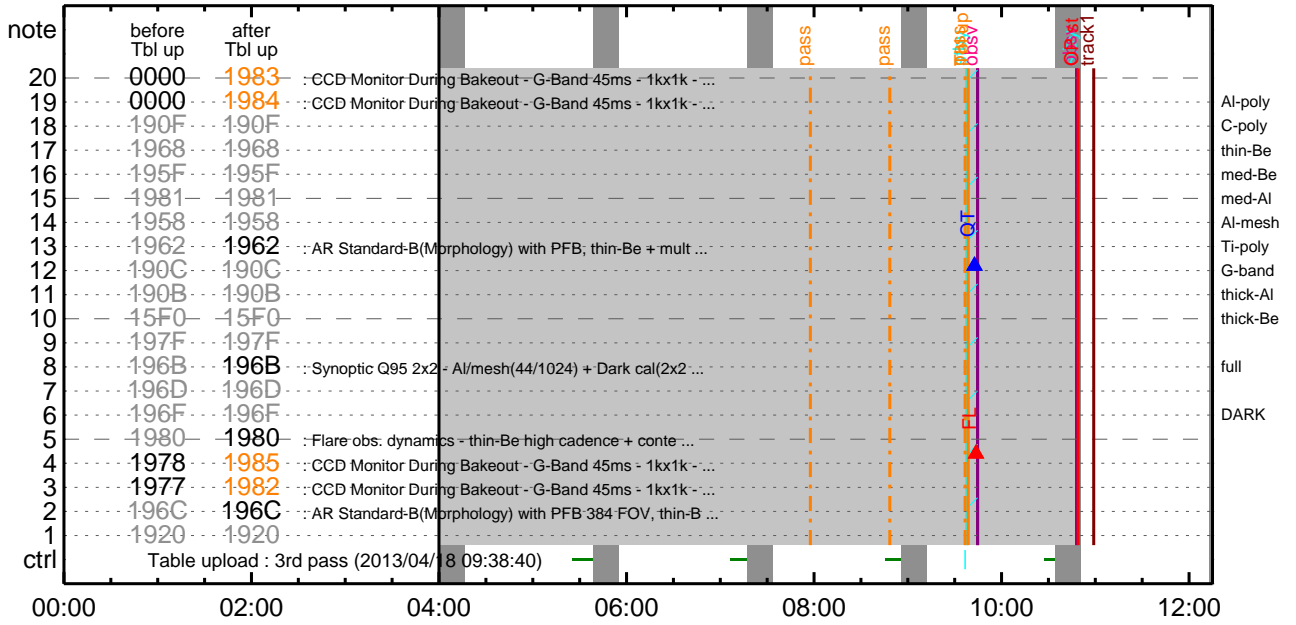
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Flare Detection

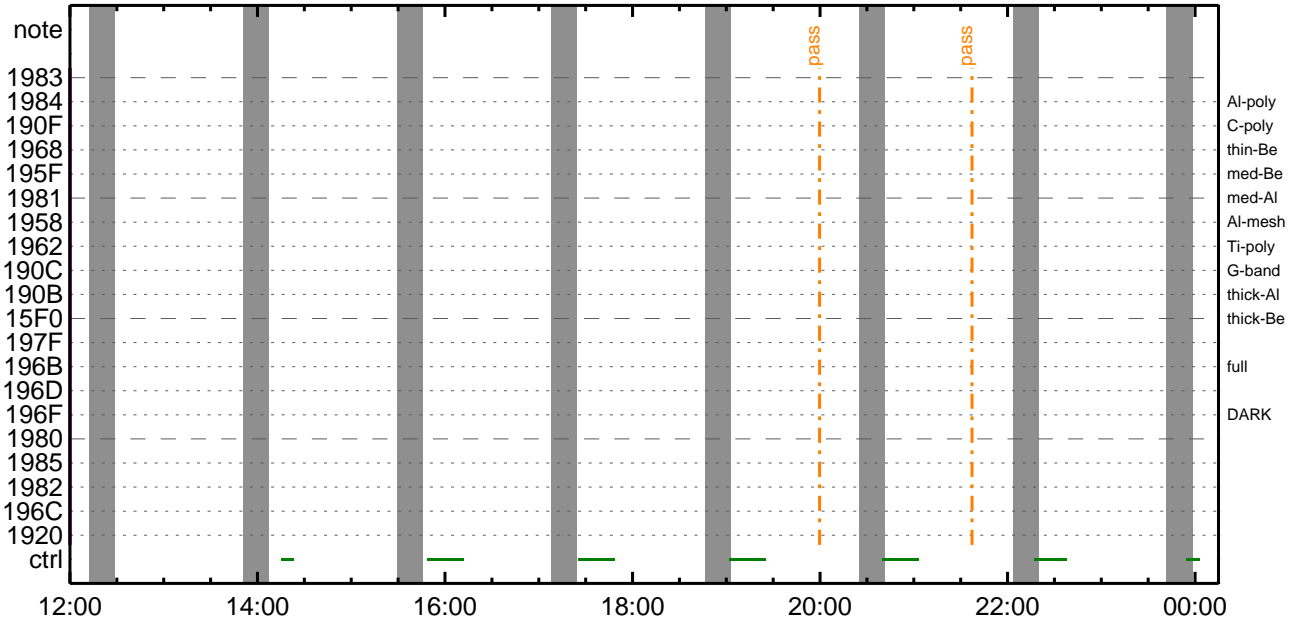
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FLD Patrol												
Term		Pointing (x, y)						Comment				
04/19 19:05:16 - 04/20 05:57:16		Track (401.9, -260.0) ^{© 04/19 19:05:00} # AR 11723.										
04/20 06:07:16 - 04/23 10:38:00		Track (483.5, -264.7) ^{© 04/20 06:07:00} # AR 11723.										
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	

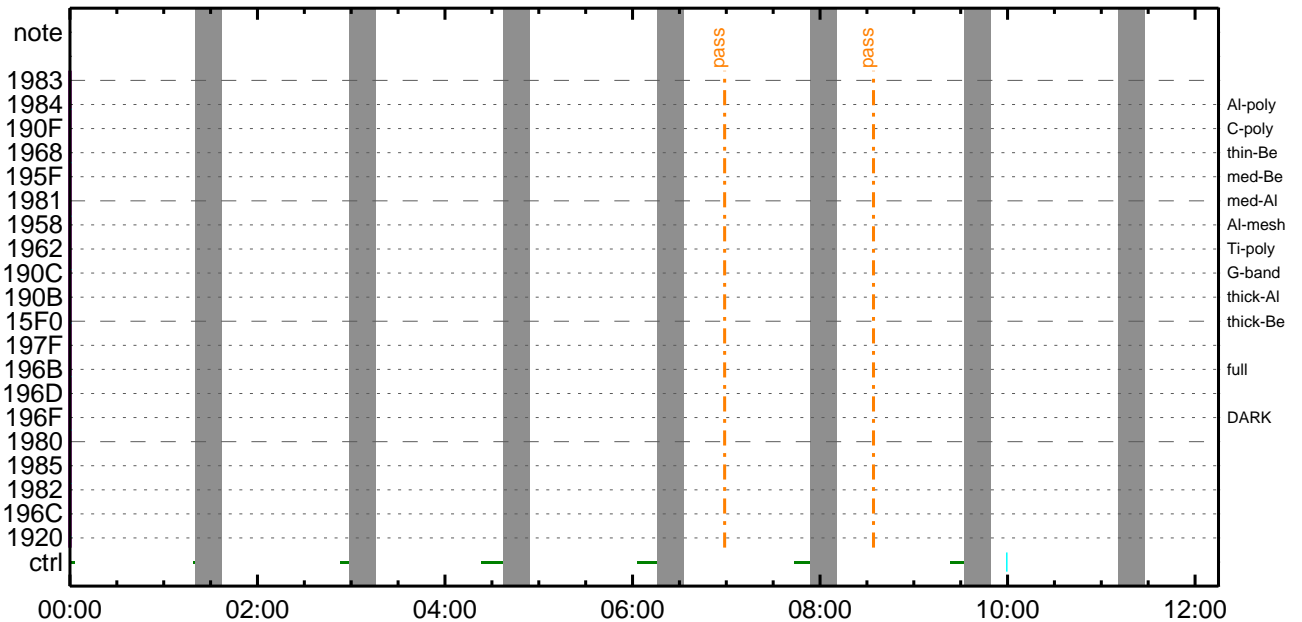
CMDI #0407 2013/04/18



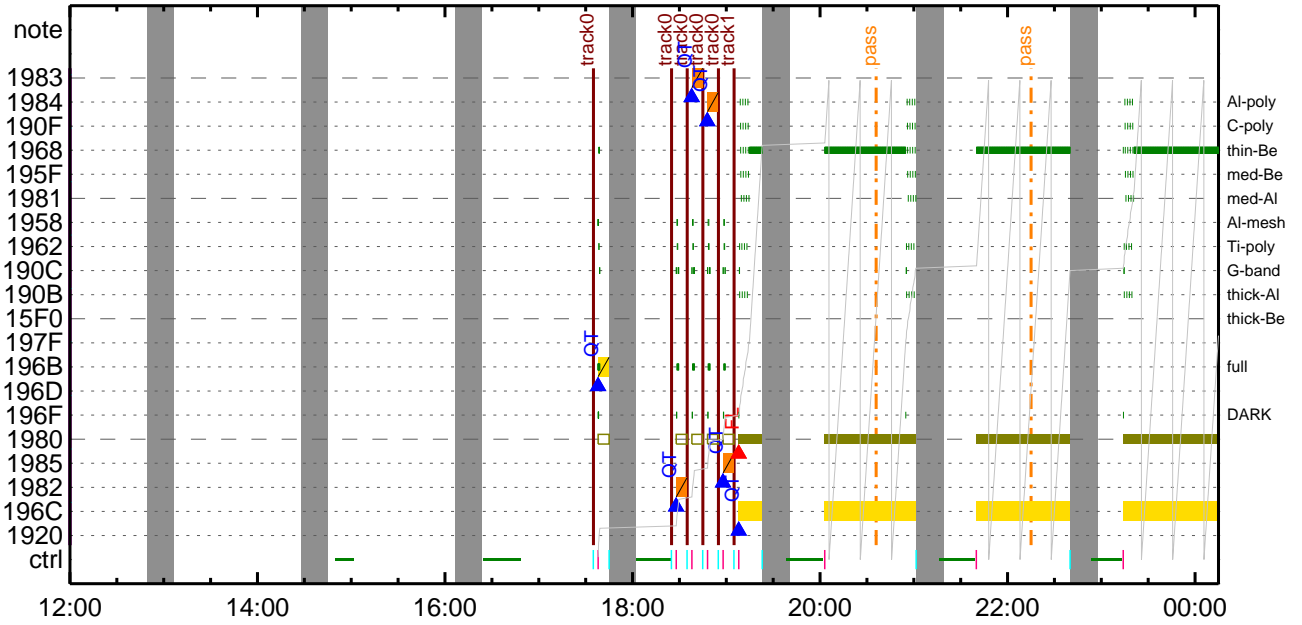
CMDI #0407 2013/04/18



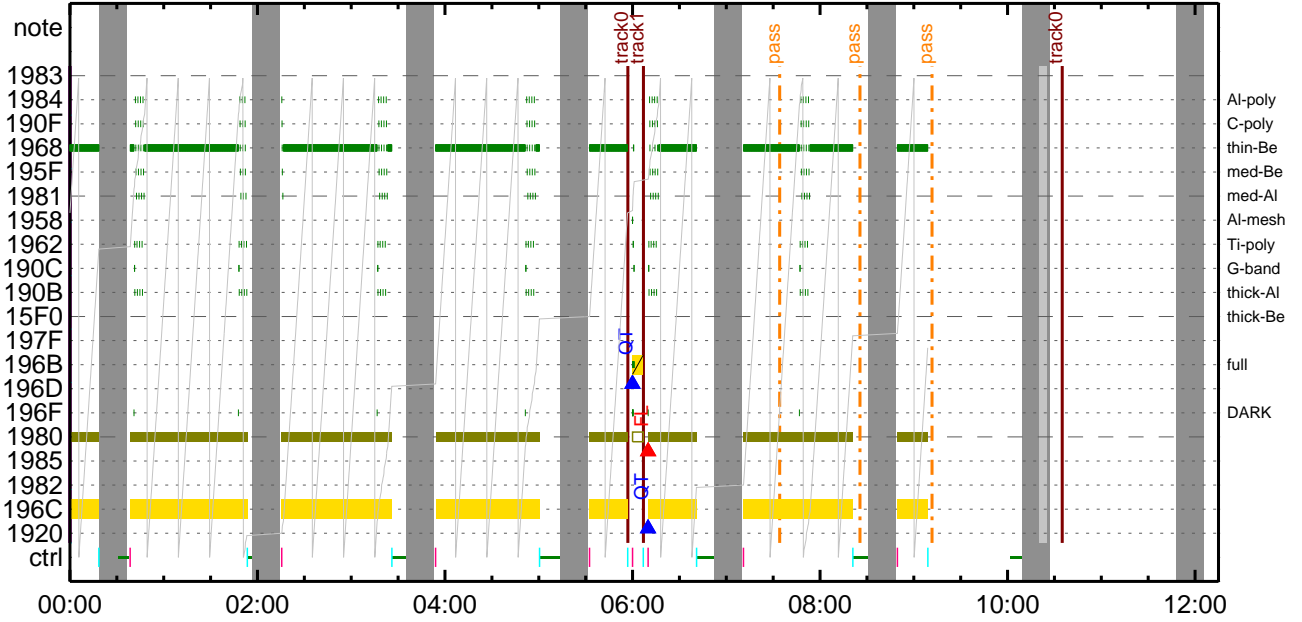
CMDI #0407 2013/04/19



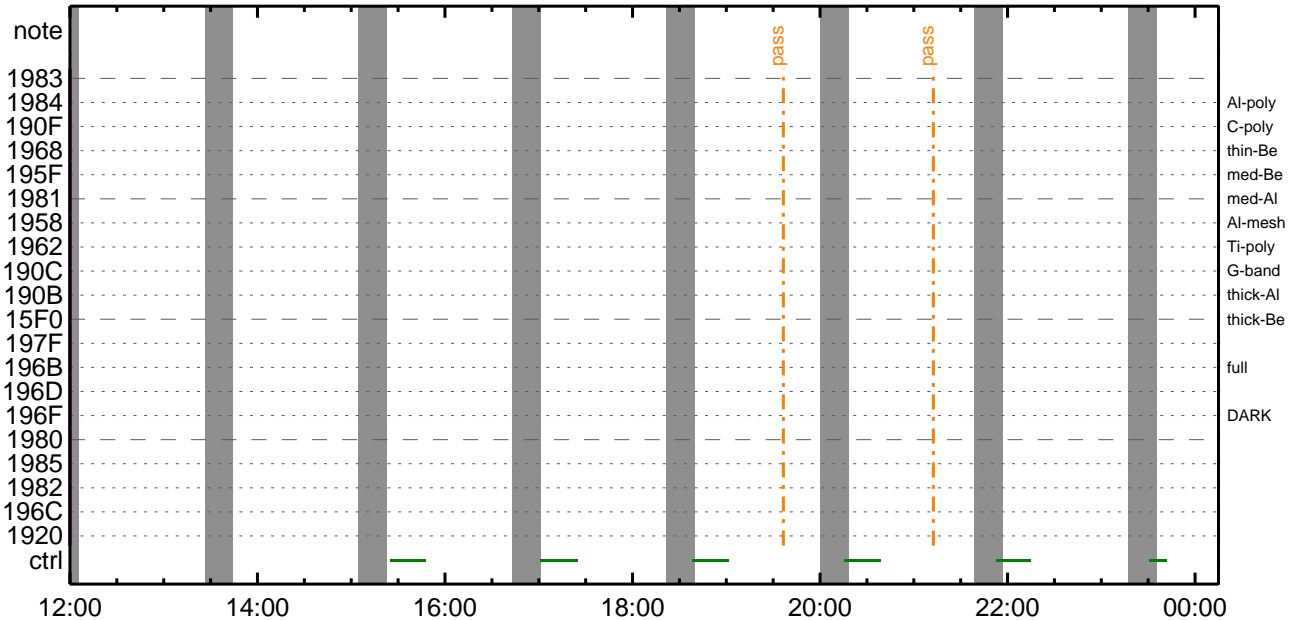
CMDI #0407 2013/04/19



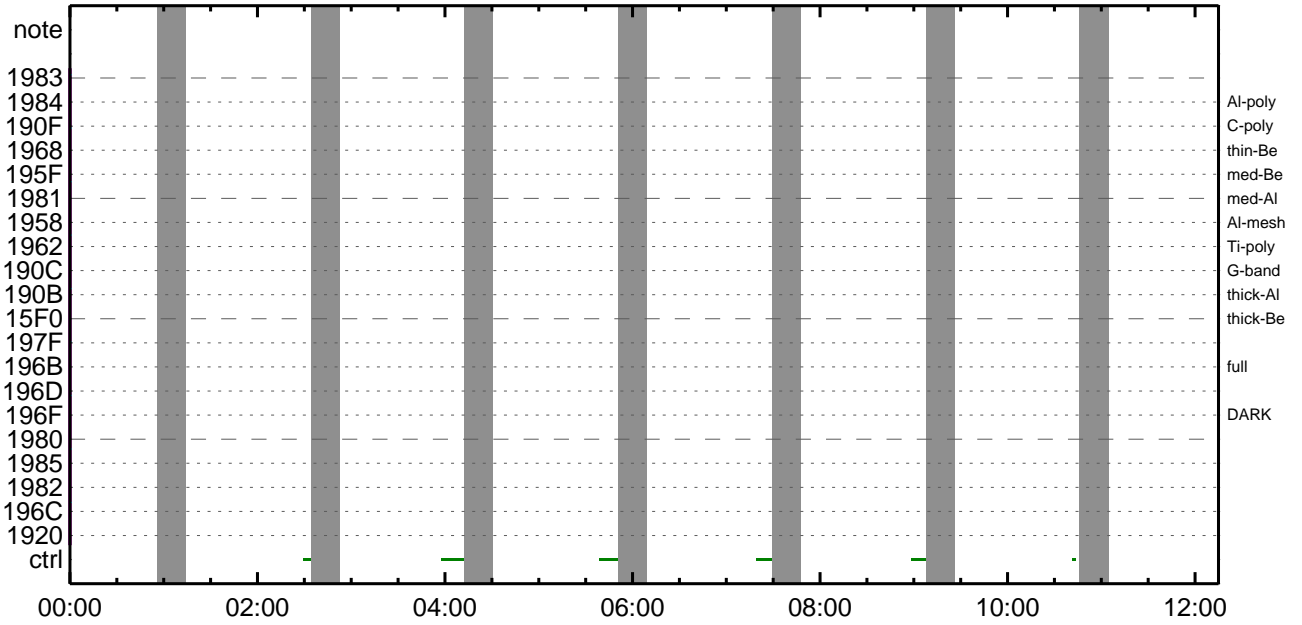
CMDI #0407 2013/04/20



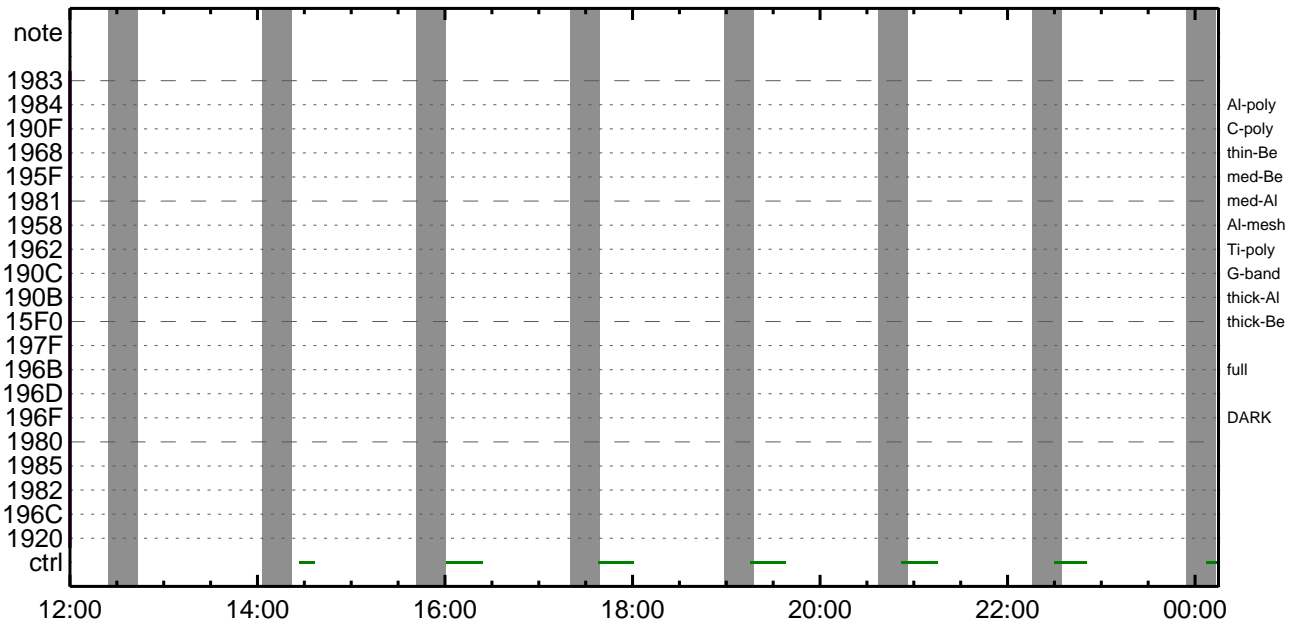
CMDI #0407 2013/04/20



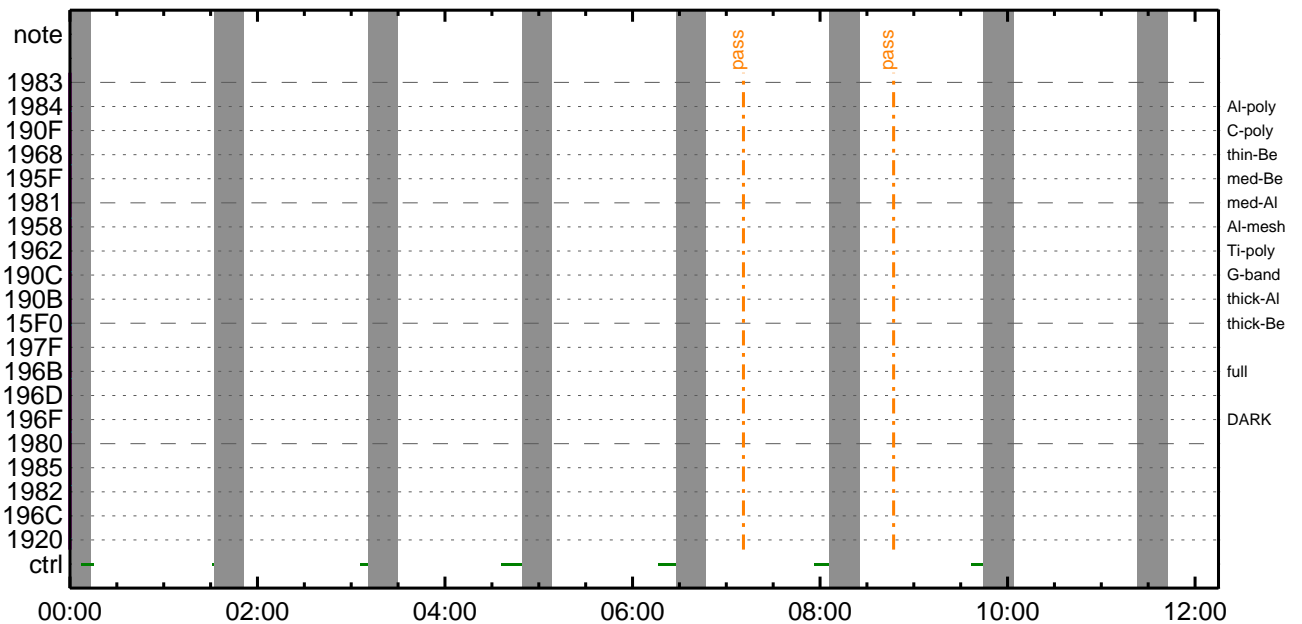
CMDI #0407 2013/04/21



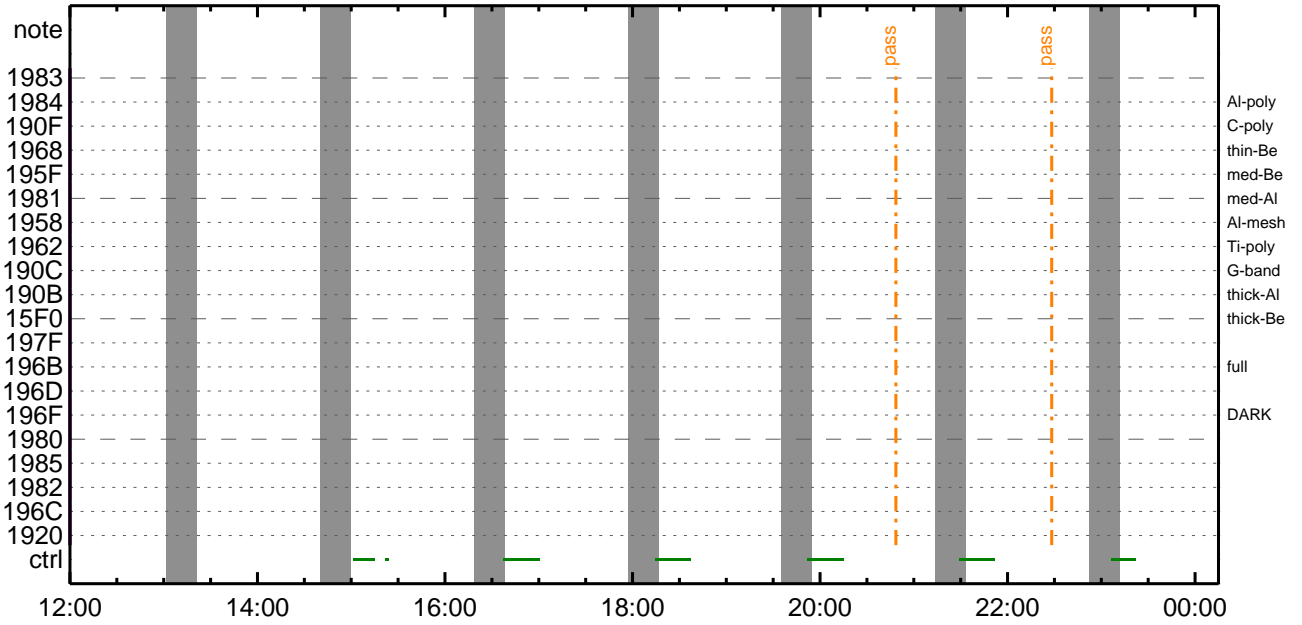
CMDI #0407 2013/04/21



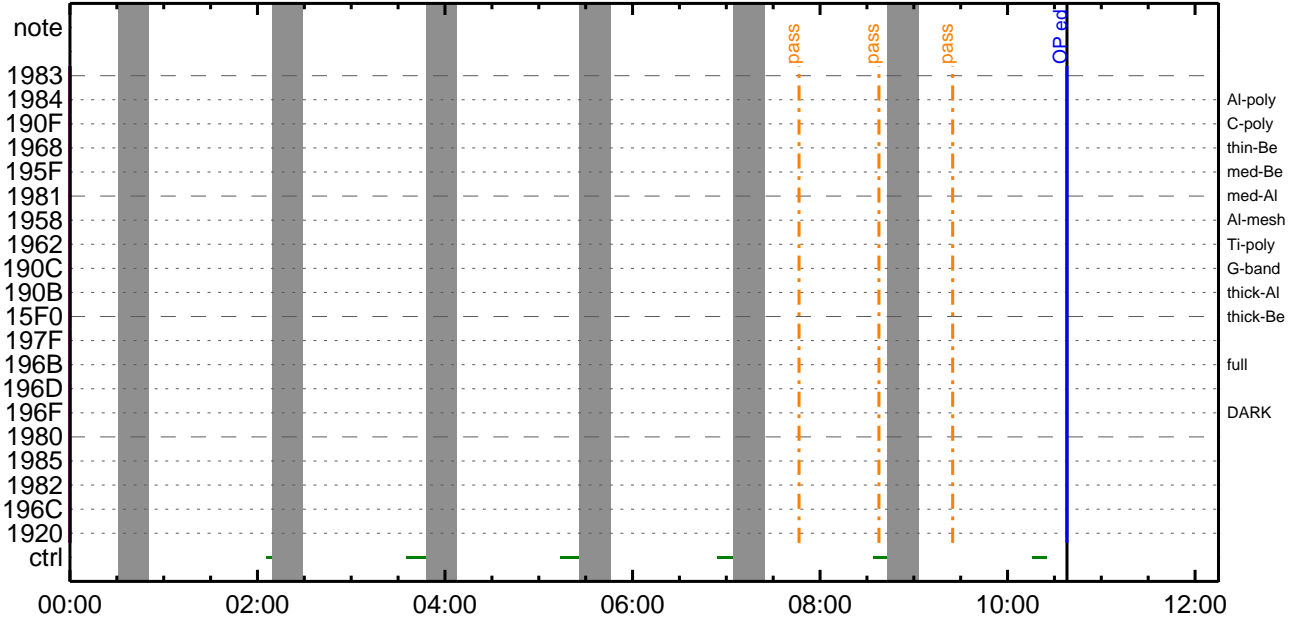
CMDI #0407 2013/04/22



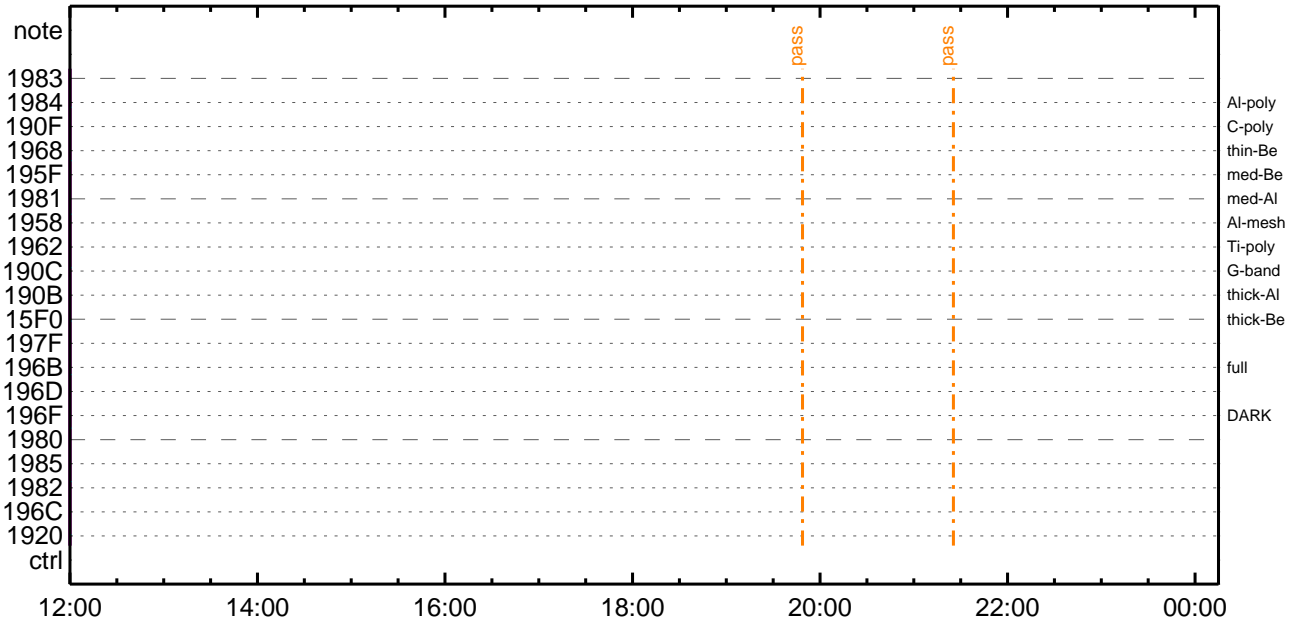
CMDI #0407 2013/04/22



CMDI #0407 2013/04/23



CMDI #0407 2013/04/23




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOX
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-594:OP
0104 ( )
0105 S. OG og-594:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOX;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYOXx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGñî½E¹ç•è²îOKò³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAYOXx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGñî½E¹ç•è²îOKò³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAYOXx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPñî½E¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** òE²¼òî½Ã´¶Á°òEÈ-ò°Á÷¿@ (½âµ-YAYOXx½ê½çòðÁÔÃæç½ª°"òE½i¹çççâ) *****
0167 C. DHUYâ;4YE;E½Y½;Yi;4YE;Eòðîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOADò-Á÷¿@NGñî½i¹ç;ç°E²¼òîTI-CMDÁ÷¿@ñî½Á¹Ô°•òEòòò³òE;f
0180 C. òEò¿;çSETòEDUMPAîE±°iYNY¹ç¹Ô°|ò³òE;f
0181 C.
0182 C. TIY³YpYóYEòðÁDî¿(UT)
0183 +. TI 2013-04-18 10:44:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2013-04-18 10:44:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2013-04-18 10:44:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2013-04-18 10:48:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0198 C.
0199 C. °È²¼ñîÄè%îîññîîŷÄŷ§ŷÄŷ¹àîÛ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]       EQ          ENA
0201 C.          çç[HK1_TI_CMD_NUM]          EQ          4
0202 C.          çç[HK1_NEXT_EXEC_PIM]       EQ          DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]       EQ          0xB3
0204 C.
0205 C. *****
0206 C. Tîîî°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC          (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]     EQ          07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]     EQ          2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]      EQ          3
0215 C.          çç[HK1_DMP_REPEAT_NUM]    EQ          0
0216 C.          çç[HK1_DMA_DMP_PIM]       EQ          DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC          (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]       EQ          7
0220 C.          çç[HK1_PKT_GEN_TIME]      EQ          0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]    EQ          32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]    EQ          4M
0223 C.          çç[HK1_DMP_CHK_FLG]      EQ          EXEC
0224 C.
0225 C. ŷÄŷÖŷ×½ªî»ò³îç§
0226 C.          çç[HK1_DMP_CHK_FLG]       EQ          NON
0227 C.
0228 C. RAM ID=TI_TBLñîîÈ¹ç•è²îOKò³îç§
0229 C.
0230 C. DHUŷâ;¼ŷÈ;È¼ŷ¼.ŷî;¼ŷÈ;Èòòîãñ¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC          (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]       EQ          2
0234 C.          çç[HK1_PKT_GEN_TIME]      EQ          0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]    EQ          32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]    EQ          4M
0237 C.
0238 C. Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C. ***** Start EIS operation (TI set) *****
0242 C. Execute, after the success of OP upload.
0243 C. Set EIS TI-commands
0244 +. TI 2013-04-18 10:48:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC          (21 02)
0247 +. TI 2013-04-18 10:48:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC          (22)
0250 C.          [ ] [HK1_TI_CMD_NUM]      EQ          2 COUNTUP
0251 C. ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C.
0255 C. ***** XRT START *****
0256 C. Execute, after the success of OP upload.
0257 +. TI 2013-04-18 10:48:00.0
0258 DC 07-F0 MDP_XRT_MODE_STBY
0259 BC          (c3)
0260 C.          [ ] [HK1_TI_CMD_NUM]      EQ          1COUNTUP
0261 C.
0262 C. ***** XRT END *****
0263 C.
0264 C. ***** MDP `ûÄîñî»ò¼ŷñÈÄò¹òèDCBC•×²è *****
0265 C. (¼ª°îŷÖŷÄŷÈŷŷÈŷâŷçŷèòÈ¼¼ñ¼Ä»Ûñ¹òè)
0266 S. DC-BC dcbc-402:DCBC
0267 (MDP_known_event)
0268 C.
0269 C.
0270 C. ***** ŷĐŷ¹.İ Daily±;îñññ°¹òèDCBC•×²è *****
0271 S. DC-BC dcbc-153:DCBC
0272 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0273 C.
0274 C.
0275 C. ðâLOSŷÄŷŷÄŷŷ¹¼Ä»Û;â
0276 C.
0277 C. ***** LOS *****
0278 C.

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(a) Spacecraft Operation Procedure (real-commands)

```
main-595 2013-04-18 15:16:22 82 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÄY~¼Ä»Û;ä
0005 C.
0006 C. YÄYB;¼Y³YFYOYEÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿µÄσ•µ°È»Í×ÁÇσÍYçYÄY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈÈ%°ÇÖσ•σ¿¼í¹çσÍ;çÄ®, ùσ¹σÈσBσÇÁ+¿®σ•σÈσσσ³σÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STs1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCs Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCSDUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046 +. DC 07-FC EIS_MODE_MANU
0047 BC (21 02)
0048 . C. Verify EIS in MANUAL mode
0049 . C. Estimated OBSTBL upload time is 25s
0050 C. *****
0051 C. EIS START OBSTBL LOAD
0052 C. *****
0053 . S. RAM ram-820:EIS_OBSTBL
0054 ( )
0055 +. DC 07-FC EIS_DUMP_OBSTBL
0056 BC (07 07 07 00 00 70 00)
0057 C.
0058 C. Execute, after the success of OBSTBL upload.
0059 C. Set EIS TI-commands
0060 +. TI 2013-04-18 10:48:50.0
0061 DC 07-FC EIS_MODE_CHG_ENA
0062 BC (20)
0063 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0064 C. *****
0065 C. EIS END OBSTBL LOAD
0066 C. *****
0067 C.
0068 . C. ***** MDP `ûÄîσî»ó¼YσÈÄσ¹σÈDCBC•x²è *****
0069 C. (¼á°íYÓYÄYËYB~YÉYáYçYÈσÈ%¼σ¼Ä»Ûσ¹σÈ)
0070 . S. DC-BC dcbc-402:DCBC
0071 (MDP_known_event)
0072 C.
0073 C.
0074 . C. ***** YDY¹•İ Daily±¿íNσÈ`Øσ¹σÈDCBC•x²è *****
0075 . S. DC-BC dcbc-153:DCBC
0076 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0077 C.
0078 C.
0079 . C. ;ãLOSÁYŞYÄY~¼Ä»Û;ä
0080 C.
0081 . C. ***** LOS *****
0082 C.
```



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0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 + DC 07-F0 MDP_XRT_MODE_STBY
0104 BC (c3)
0105 . C. ----- Success Verify ? OK / NG ____
0106 C.
0107 C. XRT Obs. Table Upload
0108 . S. RAM ram-291:MDP_OBS_X
0109 ( )
0110 C.
0111 +. DC 07-F0 MDP_DUMP_XRTTBL
0112 BC (84 07 00 00 00 3a d4)
0113 . C. ----- Comparison Check ? OK / ERR ____
0114 C.
0115 C.
0116 +. DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 01 b1 b1 04 04)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 02 b1 b1 08 08)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 03 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 04 b1 b1 06 06)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 05 85 83 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 06 85 83 06 06)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 07 80 80 20 20)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 08 80 80 20 08)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 09 80 80 08 20)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 0a c0 c0 10 10)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0b 40 c0 10 10)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0c 40 40 10 10)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 0d c0 40 10 10)
0142 + DC 07-F0 MDP_XRT_ROI_SET
0143 BC (cd 0e 85 83 08 08)
0144 + DC 07-F0 MDP_XRT_ROI_SET
0145 BC (cd 0f 80 80 06 06)
0146 + DC 07-F0 MDP_XRT_ROI_SET
0147 BC (cd 10 80 80 08 08)
0148 + DC 07-F0 MDP_XRT_FLD_ENA
0149 BC (d8)
0150 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0151 BC (c8)
0152 + DC 07-F0 MDP_XRT_AEC_RESET
0153 BC (d0)
0154 + DC 07-F0 MDP_XRT_ARS_DIS
0155 BC (d5)
0156 + DC 07-F0 MDP_XRT_FLD_RESET
0157 BC (da)
0158 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0159 BC (c4 0d)
0160 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0161 BC (c5 05)
0162 . C. ----- Success Verify ? OK / NG ____
0163 C.
0164 C.
0165 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0166 C.
0167 +. DC 07-F0 MDP_XRT_MODE_OBSV
0168 BC (c2)
0169 +. TI 2013-04-18 10:48:02.0
0170 DC 07-F0 MDP_XRT_MODE_OBSV
0171 BC (c2)
0172 . C. ----- Success Verify ? OK / NG ____
0173 C.
0174 C. ***** XRT END *****
0175 C.
0176 . C. ***** MDP `úÃîñ»ö¼ÝðÊÄð¹ñèDCBC•x²è *****
0177 C. (%ã°îÿÓÿÄÿËÿÏÿÛÿäÿçÿèÿÉ¼¼¼¼¼»Û¹¹é)
0178 . S. DC-BC dcbc-402:DCBC
0179 (MDP_known_event)
0180 C.
0181 C.
0182 . C. ***** ÝÐÿ¹•Ï Daily±¿ÎñÈ´Ø¹ñèDCBC•x²è *****
0183 . S. DC-BC dcbc-153:DCBC
0184 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0185 C.
0186 C.
0187 . C. ;ãLOSÿÁÿSÿÄÿ-¼Ä»Û;ã
0188 C.
0189 . C. ***** LOS *****
0190 C.

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Apr 18, 13 15:16

XRT_OGLIST_0407.chk

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*** OP Sequence for XRT ***

2013/04/18	10:59:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	01	00	00	00	00
2013/04/19	09:59:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/19	09:59:32.0	XRT_TCIB_XRT_S_HTR_A_DIS_401_OG [0x191]							
		TCIB_XRT_S_HTR_A_DIS	0	04-C0					
2013/04/19	17:34:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/19	17:34:56.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2013/04/19	17:35:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00
2013/04/19	17:35:16.0	XRT_FLD_DIS_404_OG [0x194]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/04/19	17:35:18.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2013/04/19	17:35:20.0	XRT_ARS_DIS_406_OG [0x196]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/04/19	17:37:58.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	08			
2013/04/19	17:38:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/04/19	17:45:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/19	17:45:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/04/19	17:45:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/04/19	17:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/04/19	18:24:54.0	XRT_CTRL_MANU_420_OG [0x1a4]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/19	18:25:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	2e	f9	2e	f9
2013/04/19	18:27:32.0	XRT_FOCUS_POSITION_421_OG [0x1a5]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2013/04/19	18:27:52.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2013/04/19	18:27:54.0	XRT_FLD_DIS_404_OG [0x194]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/04/19	18:27:56.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2013/04/19	18:27:58.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/04/19	18:28:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/04/19	18:34:54.0	XRT_CTRL_MANU_420_OG [0x1a4]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/19	18:35:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	2e	f9	d1	07
2013/04/19	18:37:32.0	XRT_FOCUS_POSITION_421_OG [0x1a5]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2013/04/19	18:37:52.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2013/04/19	18:37:54.0	XRT_FLD_DIS_404_OG [0x194]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/04/19	18:37:56.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2013/04/19	18:37:58.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/04/19	18:38:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/04/19	18:44:54.0	XRT_CTRL_MANU_420_OG [0x1a4]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/19	18:45:00.0	AOCS_Ore-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00	d1	07	d1	07
2013/04/19	18:47:32.0	XRT_FOCUS_POSITION_421_OG [0x1a5]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2013/04/19	18:47:52.0	XRT_QT_PROG_SET_409_OG [0x199]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	13			
2013/04/19	18:47:54.0	XRT_FLD_DIS_404_OG [0x194]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/04/19	18:47:56.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2013/04/19	18:47:58.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/04/19	18:48:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/04/19	18:54:54.0	XRT_CTRL_MANU_420_OG [0x1a4]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/19	18:55:00.0	AOCS_Ore-point_Start_6_OG [0x09c]							
		AOCU_NM	5	02-76	00	d1	07	2e	f9
2013/04/19	18:57:32.0	XRT_FOCUS_POSITION_421_OG [0x1a5]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2013/04/19	18:57:52.0	XRT_QT_PROG_SET_427_OG [0x1ab]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	04			
2013/04/19	18:57:54.0	XRT_FLD_DIS_404_OG [0x194]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/04/19	18:57:56.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2013/04/19	18:57:58.0	XRT_ARS_DIS_423_OG [0x1a7]							

2013/04/19	18:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_ARS_DIS	1	07-F0	d5
2013/04/19	19:04:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/04/19	19:04:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/04/19	19:05:00.0	AOCS_OrE-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2013/04/19	19:05:16.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 00 00 00 00
2013/04/19	19:05:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2013/04/19	19:05:20.0	XRT_AEC_RESET_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2013/04/19	19:05:22.0	XRT_ARS_DIS_414_OG [0x19e]	MDP_XRT_AEC_RESET	1	07-F0	d0
2013/04/19	19:07:54.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5
2013/04/19	19:07:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/04/19	19:07:58.0	XRT_FL_PROG_SET_431_OG [0x1af]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2013/04/19	19:08:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 05
2013/04/19	19:23:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/04/19	19:23:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/04/19	19:23:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/04/19	19:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/04/19	20:02:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/04/19	20:03:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2013/04/19	21:01:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/04/19	21:01:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/04/19	21:01:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/04/19	21:04:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/04/19	21:39:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/04/19	21:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2013/04/19	22:40:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/04/19	22:40:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/04/19	22:40:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/04/19	22:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/04/19	23:13:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/04/19	23:14:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2013/04/20	00:18:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/04/20	00:18:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/04/20	00:18:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/04/20	00:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/04/20	00:37:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/04/20	00:38:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2013/04/20	01:53:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/04/20	01:53:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/04/20	01:53:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/04/20	01:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/04/20	02:14:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/04/20	02:15:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2013/04/20	03:26:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2013/04/20	03:26:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2013/04/20	03:26:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da
2013/04/20	03:29:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2013/04/20	03:53:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2013/04/20	03:54:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2013/04/20	05:00:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
			MDP_XRT_CTRL_MANU	1	07-F0	c1

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2013/04/20	05:00:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/04/20	05:00:34.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/04/20	05:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/04/20	05:31:30.0	XRT_Custom_430_OG [0x1ae]							
2013/04/20	05:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/04/20	05:56:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/20	05:56:56.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2013/04/20	05:57:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2013/04/20	05:57:16.0	XRT_FLD_DIS_404_OG [0x194]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2013/04/20	05:57:18.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2013/04/20	05:57:20.0	XRT_ARS_DIS_406_OG [0x196]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/04/20	05:59:58.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2013/04/20	06:00:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/04/20	06:06:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/20	06:06:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2013/04/20	06:07:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2013/04/20	06:07:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2013/04/20	06:07:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2013/04/20	06:07:20.0	XRT_AEC_RESET_413_OG [0x19d]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2013/04/20	06:07:22.0	XRT_ARS_DIS_414_OG [0x19e]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2013/04/20	06:09:54.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/04/20	06:09:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2013/04/20	06:09:58.0	XRT_FL_PROG_SET_431_OG [0x1af]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 05				
2013/04/20	06:10:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/04/20	06:41:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/20	06:41:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/04/20	06:41:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/04/20	06:44:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/04/20	07:10:00.0	XRT_Custom_430_OG [0x1ae]							
2013/04/20	07:11:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/04/20	08:21:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/20	08:21:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2013/04/20	08:21:04.0	XRT_PREFLR_STRT_418_OG [0x1a2]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2013/04/20	08:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2013/04/20	08:48:30.0	XRT_Custom_430_OG [0x1ae]							
2013/04/20	08:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2013/04/20	09:09:00.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2013/04/20	10:35:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				