

# XRT Timeline to be uploaded on 2010/04/22

Period: 2010/04/22 10:10:00 - 2010/04/26 11:00:00

\* \* \* \* \*

Normal mode

\* \* \* \* \*

XOB #1563: CCD Monitor During Bakeout - G-band + dark - wide FOV													
Term		Pointing (x, y)						Comment					
04/22 10:22:10 - 04/22 16:22:15		Track ( -655.9, 315.7) <sup>© 04/22 10:20:00</sup>						# OP start + 10min, track active area.					
<b>PROG= 13 1-time(s)</b>													
└─ Subr= 1 1-time(s) 600.0sec													
└─ Seqn= 39 1-time(s) 4.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	2048x256 (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 #177C: Dither Pointing CCDcenter Ti-poly Al-mesh-1kx1k NO GBAND-long and short exposure													
Term		Pointing (x, y)						Comment					
04/22 17:54:32 - 04/22 17:55:54		Fixed ( -16.0, 0.0)						* XRT post-bakeout dither pointings.					
04/22 17:57:32 - 04/22 17:58:54		Fixed ( -8.0, -32.0)											
04/22 18:00:32 - 04/22 18:01:54		Fixed ( 8.0, -32.0)											
04/22 18:03:32 - 04/22 18:04:54		Fixed ( 16.0, 0.0)						*					
04/22 18:06:32 - 04/22 18:15:24		Fixed ( 0.0, 32.0)						* Dither pointing, last.					
<b>PROG= 17 1-time(s)</b>													
└─ Subr= 1 2-time(s) 30.0sec													
└─ Seqn= 76 1-time(s) 30.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	1x1	1024x1024 (1024, 1024)	DPCM	0	0	6.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	1x1	1024x1024 (1024, 1024)	DPCM	0	0	2.0sec
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	2.83s	Obs	1x1	1024x1024 (1024, 1024)	DPCM	0	0	6.0sec
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	354ms	Obs	1x1	1024x1024 (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 #1754: Synoptic Q95 2x2 - Al/mesh(64/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(128/2048) + G-band(16													
Term		Pointing (x, y)						Comment					
04/22 18:18:30 - 04/22 18:35:24		Fixed ( 0.0, 0.0)						synoptic, shifted 15.5 min, extended for possible joint XRT-AIA					
04/23 06:04:00 - 04/23 06:06:00		Fixed ( 0.0, 0.0)						synoptic, shifted 1.0 min, extended for possible joint XRT-AIA observations.					
04/23 18:03:00 - 04/23 18:14:30		Fixed ( 0.0, 0.0)						synoptic					
04/24 06:08:00 - 04/24 06:10:00		Fixed ( 0.0, 0.0)						synoptic, shifted 5.0 min					
<b>PROG= 01 1-time(s)</b>													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 6 1-time(s) 4.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	63ms	Obs	2x2	2048x256 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	Obs	2x2	2048x256 (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	2048x256 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x256 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x256 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	1024x1024 (1024, 1024)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
└─ Seqn= 7 1-time(s) 4.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	125ms	Obs	2x2	2048x256 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	2048x256 (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	2048x256 (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 #176E: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 1st Quadrant - Al/mesh, Ti/Poly													
Term		Pointing (x, y)						Comment					
04/22 18:38:30 - 04/22 18:40:24		Fixed ( -528.4, -528.4)						XRT four-quadrant pointings, 1 of 4.					
<b>PROG= 14 1-time(s)</b>													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 22 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= 40 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	1.00s	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 #176D: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 2nd Quadrant - Al/mesh, Ti/Poly												
Term		Pointing (x, y)						Comment				
04/22 18:43:30 - 04/22 18:45:24		Fixed ( 528.4, -528.4)						* 2 of 4.				
<b>PROG= 12 1-time(s)</b>												

<b>Subr= 1 1-time(s) 12.0sec</b>													
└─ <b>Seqn= 23 1-time(s) 12.0sec</b>													
	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
<b>Subr= 2 1-time(s) 2.0sec</b>													
└─ <b>Seqn= 40 1-time(s) 2.0sec</b>													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	1.00s	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 #176F: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 3rd Quadrant- Al/mesh, Ti/Poly**

Term		Pointing (x, y)		Comment									
04/22 18:48:30 - 04/22 18:50:24		Fixed ( 528.4, 528.4)		* 3 of 4.									
<b>PROG= 03 1-time(s)</b>													
<b>Subr= 1 1-time(s) 12.0sec</b>													
└─ <b>Seqn= 24 1-time(s) 12.0sec</b>													
	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
<b>Subr= 2 1-time(s) 2.0sec</b>													
└─ <b>Seqn= 40 1-time(s) 2.0sec</b>													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	1.00s	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 #1770: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 4th Quadrant - Al/mesh, Ti/Poly**

Term		Pointing (x, y)		Comment									
04/22 18:53:30 - 04/22 21:29:56		Fixed ( -528.4, 528.4)		* 4 of 4, end four quadrant.									
<b>PROG= 15 1-time(s)</b>													
<b>Subr= 1 1-time(s) 12.0sec</b>													
└─ <b>Seqn= 25 1-time(s) 12.0sec</b>													
	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
<b>Subr= 2 1-time(s) 2.0sec</b>													
└─ <b>Seqn= 40 1-time(s) 2.0sec</b>													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	1.00s	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 #17AE: HOP 159 Al/mesh - G Band alignment - 1x1 - 384FOV - 512FOV context - 30s cadence - AEC3 - Q92**

Term		Pointing (x, y)		Comment									
04/22 21:30:30 - 04/23 04:50:00		Track ( -600.6, 319.9) <sup>04/22 18:55:30</sup>		* Track active area.									
04/23 22:07:00 - 04/24 05:28:00		Track ( -431.5, 328.8) <sup>04/23 18:10:00</sup>		# Cont., HOP 159 with AIA between 0 and 6 UT on 24 Apr.									
<b>PROG= 05 Inf.-time(s)</b>													
<b>Subr= 1 1-time(s) 2.0sec</b>													
└─ <b>Seqn= 64 1-time(s) 2.0sec</b>													
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	512x2048 (1024, 1024)	Q=90	0	0	2.0sec
<b>Subr= 2 90-time(s) 2.0sec</b>													
└─ <b>Seqn= 69 1-time(s) 30.0sec</b>													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	1x1	1024x1024 (1536, 1536)	Q=92	3	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #17AD: Full-disk Full-Res Al/Mesh (256/4096), Ti/Poly (512/8192), Thick/Al (46s)- 2 loops**

Term		Pointing (x, y)		Comment									
04/23 06:06:32 - 04/23 06:30:30		Fixed ( 0.0, 0.0)		synoptic, shifted 1.0 min, extended for possible joint XRT-AIA observations.									
<b>PROG= 16 1-time(s)</b>													
<b>Subr= 1 2-time(s) 300.0sec</b>													
└─ <b>Seqn= 68 1-time(s) 2.0sec</b>													
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	45.2s	Obs	1x1	2048x256 (1024, 1024)	Q=95	0	0	2.0sec
└─ <b>Seqn= 67 1-time(s) 2.0sec</b>													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	1x1	2048x256 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	1x1	2048x256 (1024, 1024)	Q=95	0	0	2.0sec
└─ <b>Seqn= 66 1-time(s) 2.0sec</b>													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	2048x256 (1024, 1024)	Q=95	0	0	0.5sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8.00s	Obs	1x1	2048x256 (1024, 1024)	Q=95	0	0	2.0sec
<b>Subr= 2 1-time(s) 2.0sec</b>													
└─ <b>Seqn= 56 1-time(s) 2.0sec</b>													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Dark	1.00s	Obs	1x1	2048x256 (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 #17B1: AR multifilter - Al/mesh,Ti/Poly, G-bandFOV512 AEC1 Q95 (5min)												
Term		Pointing (x, y)						Comment				
04/23 07:03:00 - 04/23 16:36:00		Track ( -520.7, 324.7) <sup>@ 04/23 06:21:00</sup> # Cont.										
<b>PROG= 06 Inf.-time(s)</b>												
Subr= 2		1-time(s)		2.0sec								
└─ Seqn= 1		1-time(s)		2.0sec								
└─┬─ Open/G-band		Open/G-band		open	Safe	Norm	63ms	Obs 1x1	512x2048 (1024, 1024)		Q=98	0 0 2.0sec
Subr= 1		9-time(s)		300.0sec								
└─ Seqn= 46		1-time(s)		4.0sec								
└─┬─ Open/Al-mesh		Open/Ti-poly		close	Safe	Norm	250ms	Obs 1x1	512x2048 (1024, 1024)		Q=95	1 0 2.0sec
└─┬─ Open/Ti-poly		Open/thick-Al		close	Safe	Norm	500ms	Obs 1x1	512x2048 (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

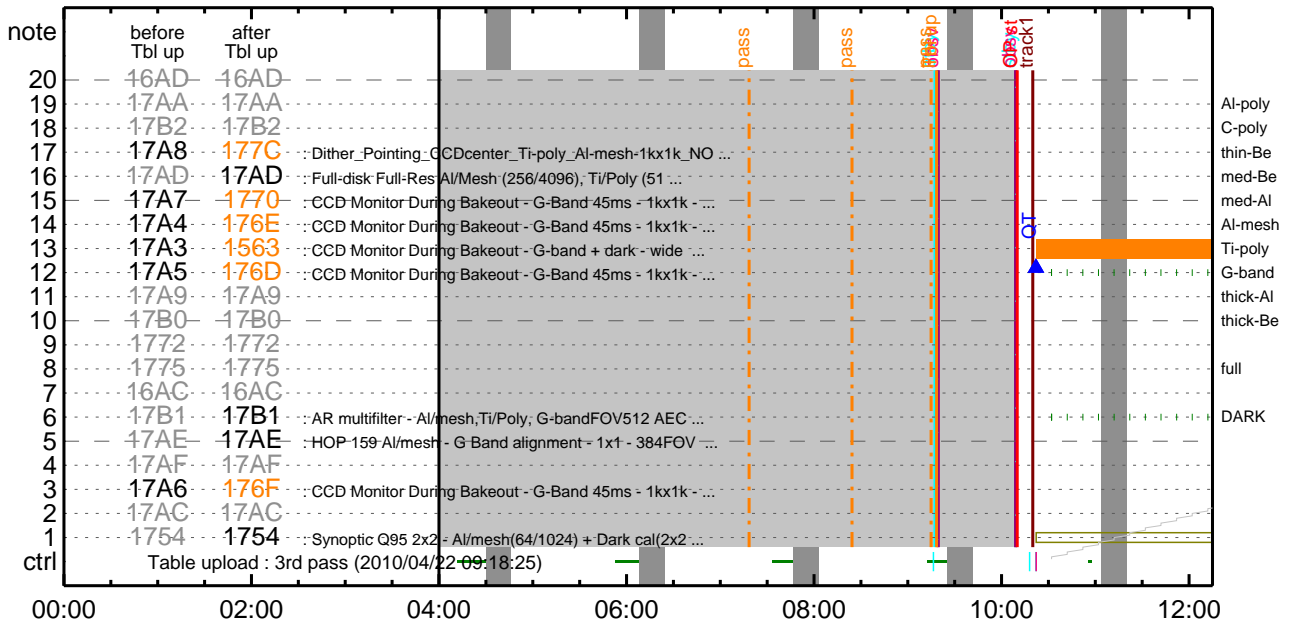
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* * * * *
                                Flare mode                                * * * * *
                                NOT USED
* * * * *
                                Active Region Search                        * * * * *
                                NOT USED
* * * * *
                                Flare Detection                            * * * * *

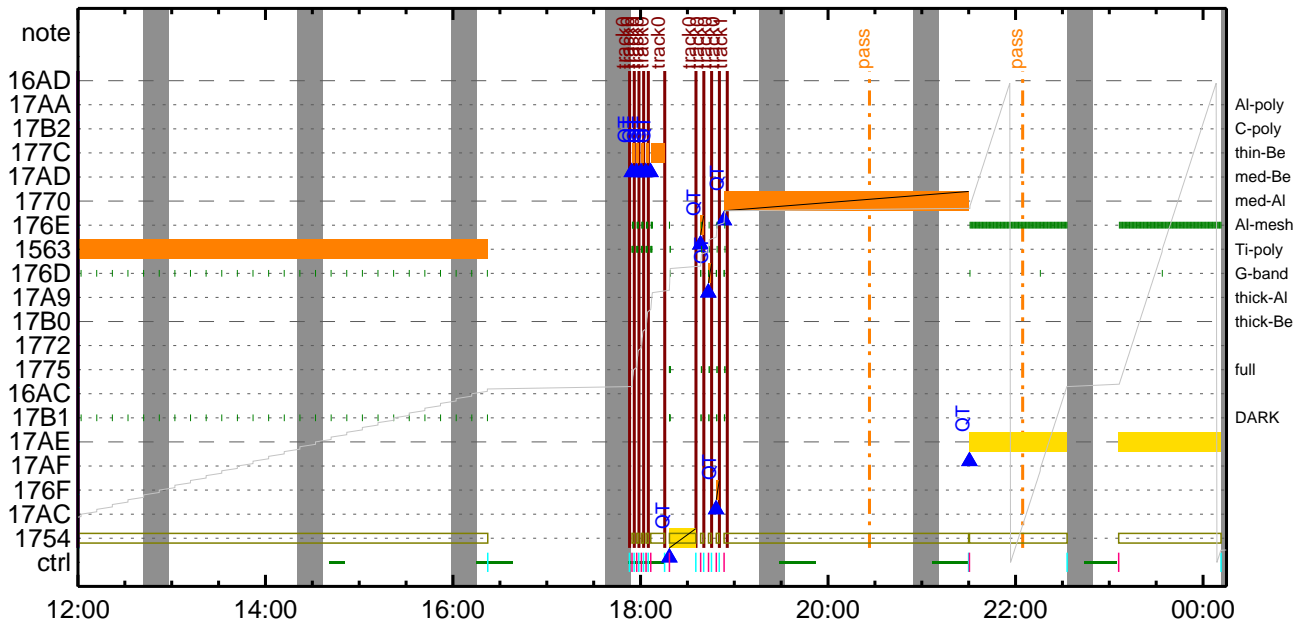
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FLD Patrol												
Term		Pointing (x, y)						Comment				
04/22 21:30:20 - 04/23 06:01:16		Track ( -600.6, 319.9) <sup>@ 04/22 18:55:30</sup> * Track active area.										
04/23 07:02:50 - 04/23 18:00:16		Track ( -520.7, 324.7) <sup>@ 04/23 06:21:00</sup> # Cont.										
04/23 22:06:50 - 04/24 06:05:16		Track ( -431.5, 328.8) <sup>@ 04/23 18:10:00</sup> # Cont., HOP 159 with AIA between 0 and 6 UT on 24 Apr.										
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

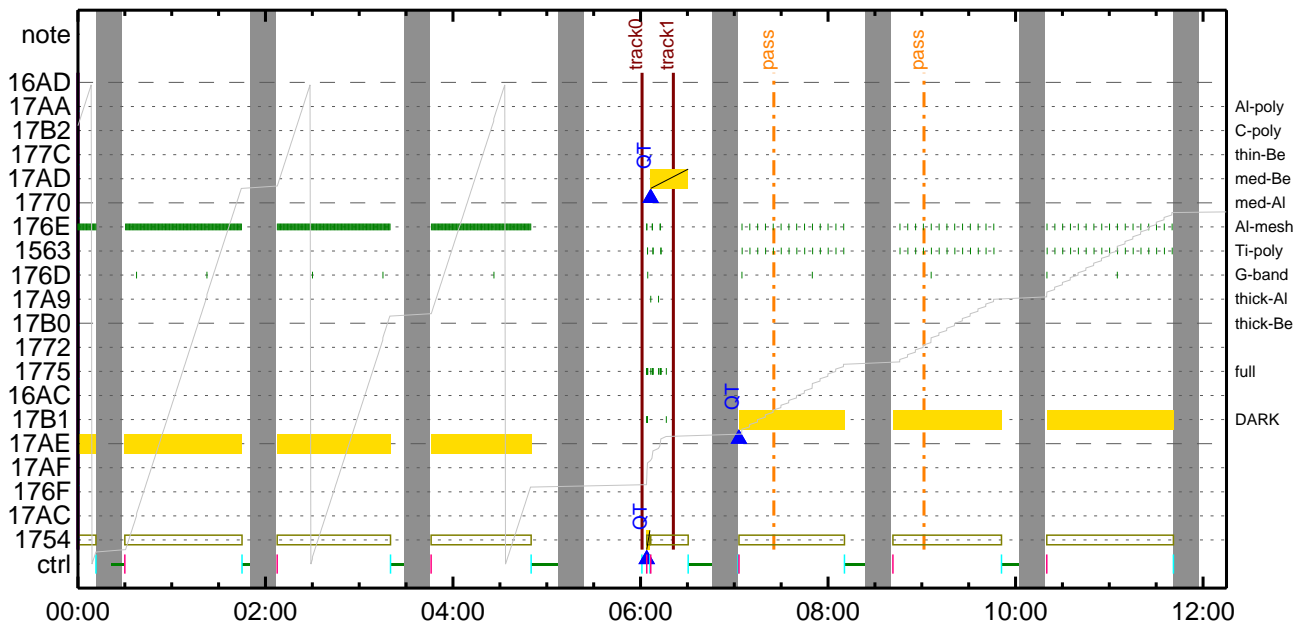
### CMDI #0223 2010/04/22



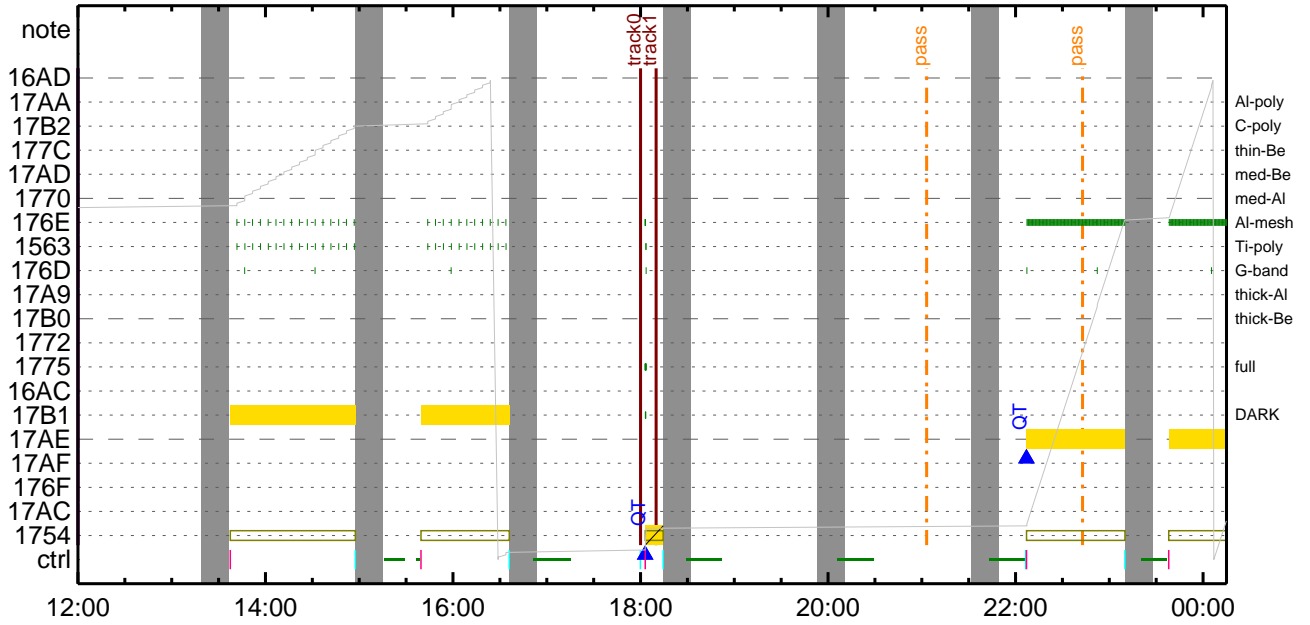
### CMDI #0223 2010/04/22



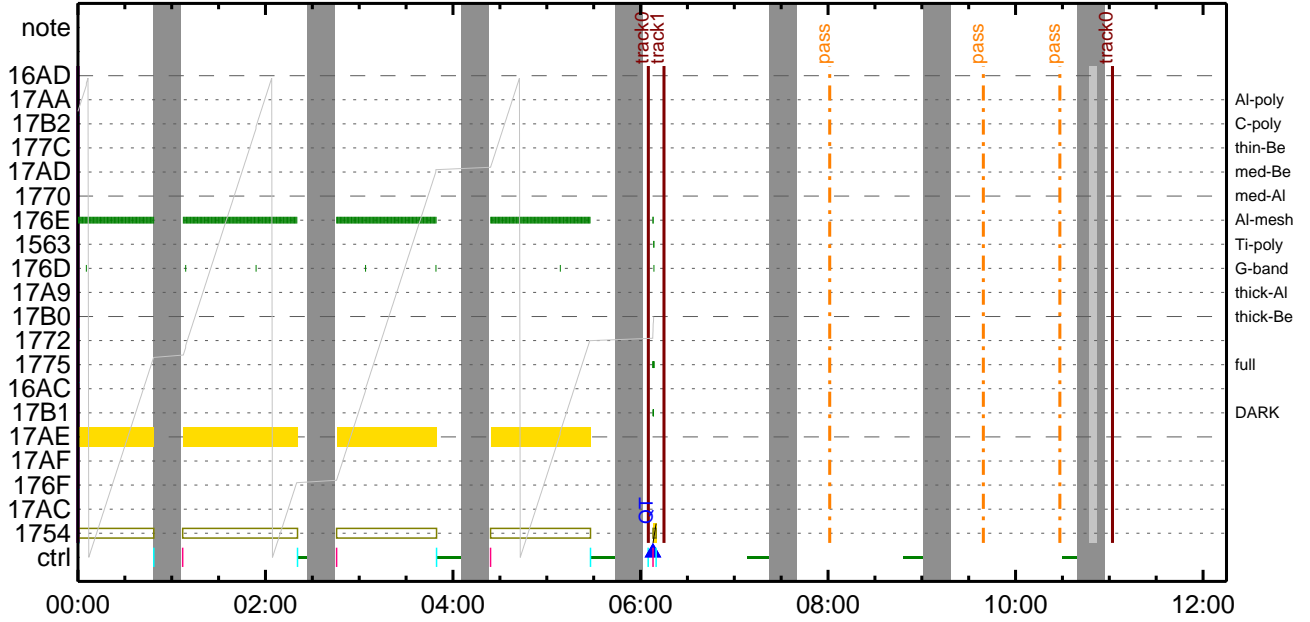
### CMDI #0223 2010/04/23



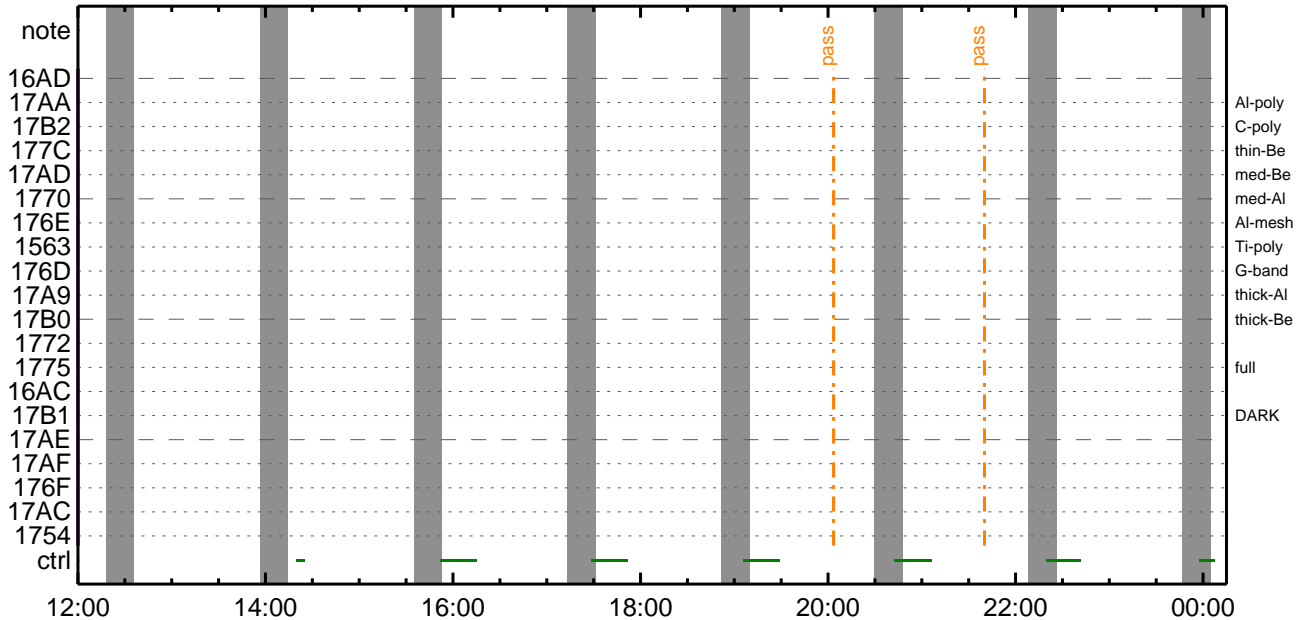
CMDI #0223 2010/04/23



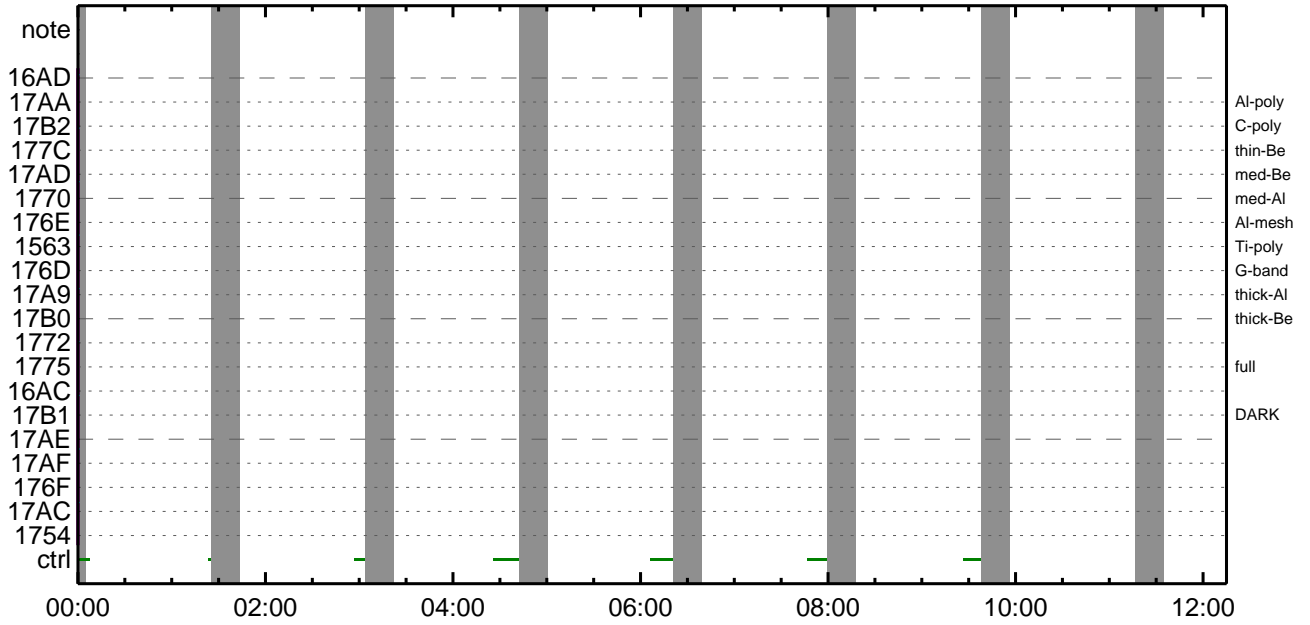
CMDI #0223 2010/04/24



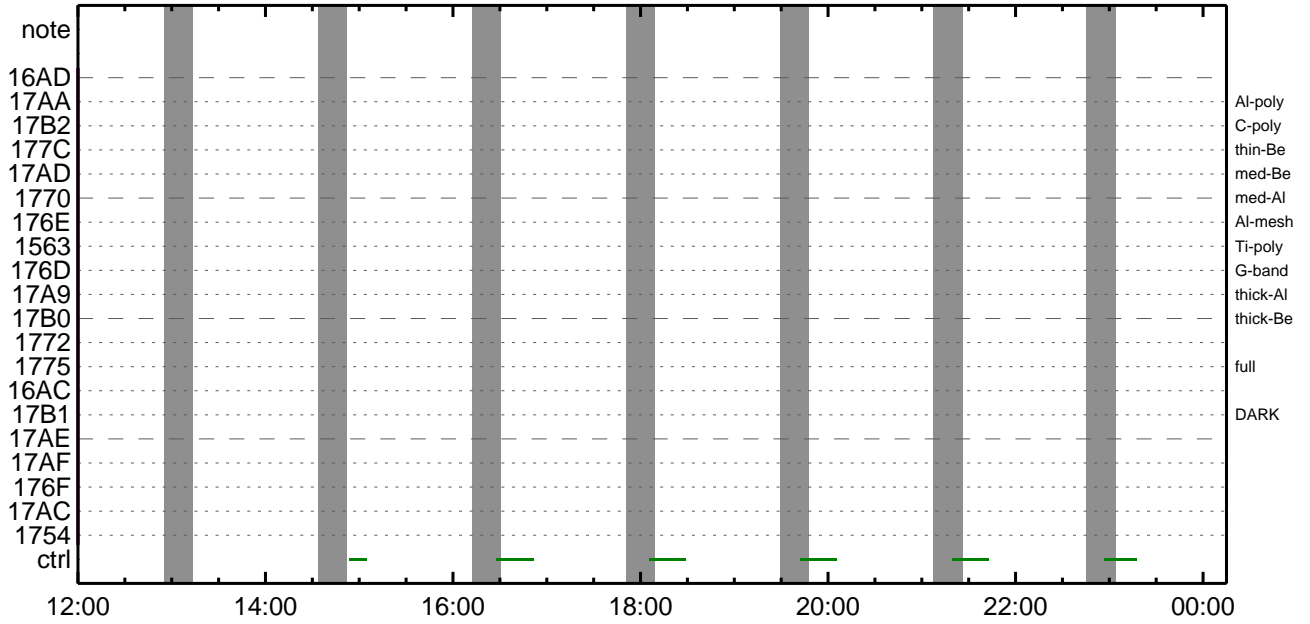
CMDI #0223 2010/04/24



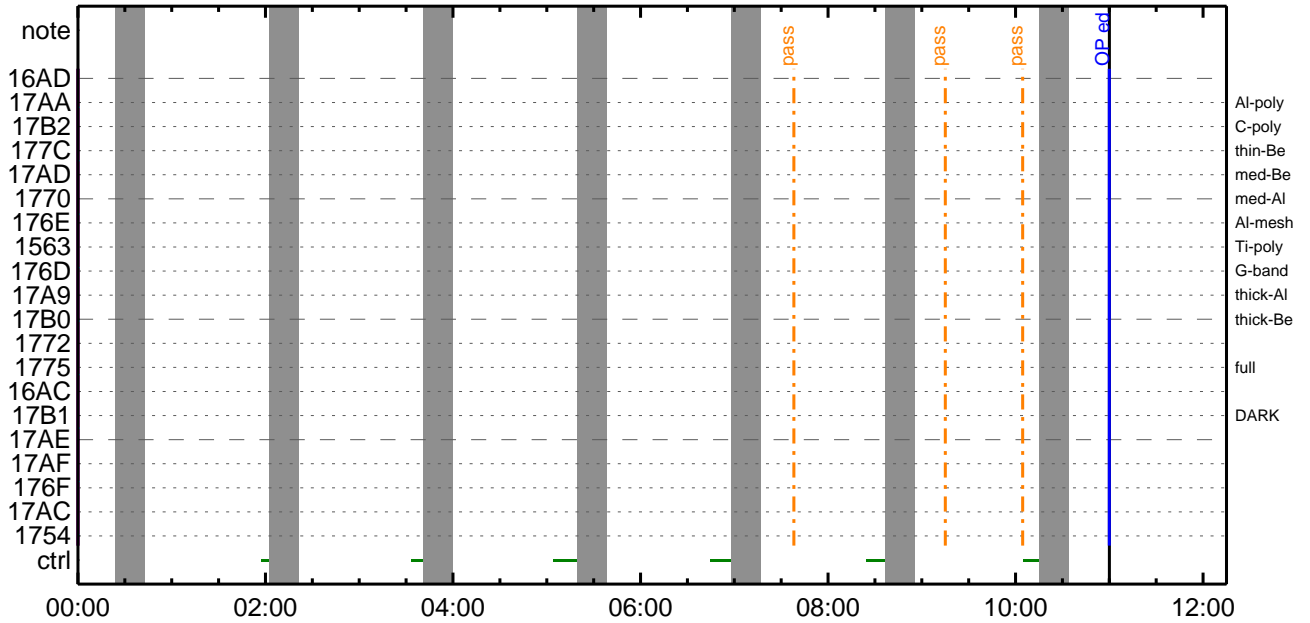
CMDI #0223 2010/04/25



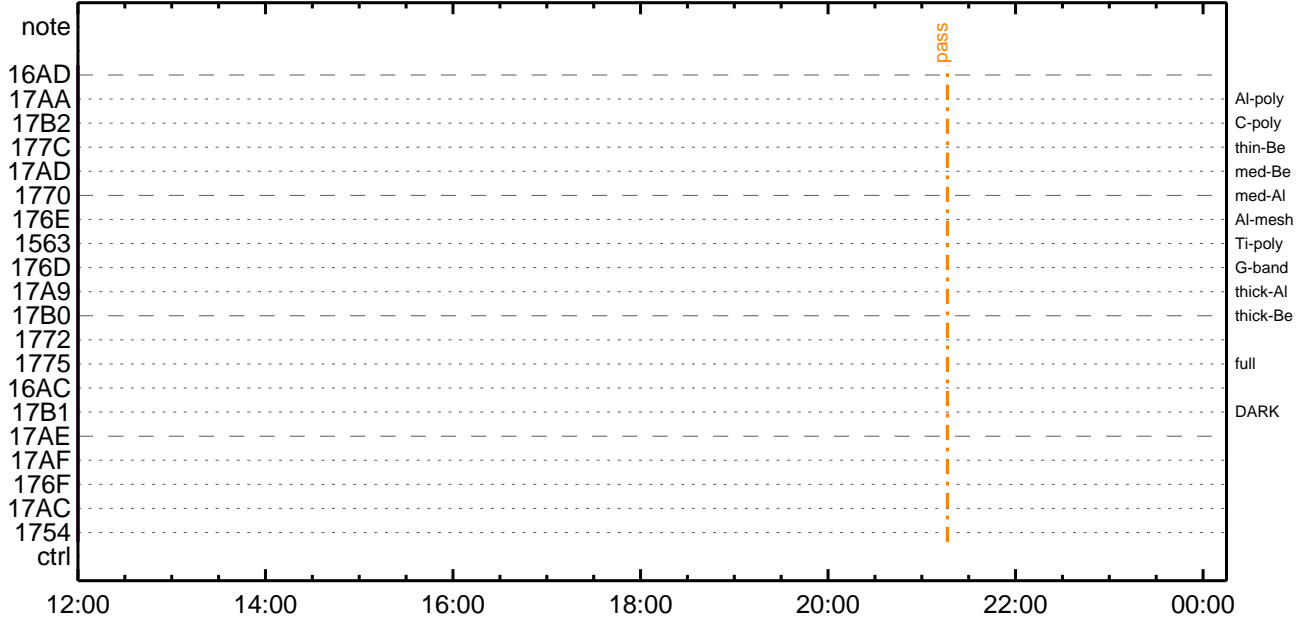
CMDI #0223 2010/04/25



CMDI #0223 2010/04/26



CMDI #0223 2010/04/26







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0096 C.          SET EDUMP I±°iYÑY¹aÇ¹Ôa|a³aE;f
0097 C.
0098 C. TIY³YF¥ÖYÉaðÄDİ¿(UT)
0099 +. TI 2010-04-22 10:05:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2010-04-22 10:05:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2010-04-22 10:05:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2010-04-22 10:09:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C. °E²¼aİÄè%îÍÑaİYÁY§YÁY-¹àİÜ
0116 C.          ÇÇ[HK1_TI_CMD_ENA/DIS]        EQ          ENA
0117 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          4
0118 C.          ÇÇ[HK1_NEXT_EXEC_PIM]        EQ          DHU
0119 C.          ÇÇ[HK1_NEXT_EXEC_DC]        EQ          0xB3
0120 C.
0121 C. *****
0122 C. TIİİ°èYÀYÖY×
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.          ÇÇ[HK1_DMP_TOP_ADRS_1]        EQ          07
0129 C.          ÇÇ[HK1_DMP_TOP_ADRS_0]        EQ          2B
0130 C.          ÇÇ[HK1_DMP_BLOCK_NUM]        EQ          3
0131 C.          ÇÇ[HK1_DMP_REPEAT_NUM]       EQ          0
0132 C.          ÇÇ[HK1_DMA_DMP_PIM]         EQ          DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC          (07 0b f8)
0135 C.          ÇÇ[HK1_PKT_FORM_NO]          EQ          7
0136 C.          ÇÇ[HK1_PKT_GEN_TIME]         EQ          0.25 s
0137 C.          ÇÇ[HK1_S_TLM_BIT_RATE]       EQ          32k
0138 C.          ÇÇ[HK1_X_TLM_BIT_RATE]      EQ          4M
0139 C.          ÇÇ[HK1_DMP_CHK_FLG]         EQ          EXEC
0140 C.
0141 C. YÀYÖY×½ªİ»að³İÇ§
0142 C.          ÇÇ[HK1_DMP_CHK_FLG]         EQ          NON
0143 C.
0144 C. RAM ID=TI_TBLaİ%È¹Ç•è²İOKað³İÇ§
0145 C.
0146 C. DHUYâ;¼YÉ;È¼Y½,¥İ;¼YÈ;Èaðİáa¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC          (02 0a f8)
0149 C.          ÇÇ[HK1_PKT_FORM_NO]          EQ          2
0150 C.          ÇÇ[HK1_PKT_GEN_TIME]         EQ          0.5S
0151 C.          ÇÇ[HK1_S_TLM_BIT_RATE]       EQ          32K
0152 C.          ÇÇ[HK1_X_TLM_BIT_RATE]      EQ          4M
0153 C.
0154 C. Stop EIS observation and temporarily disable EIS mode changes
0155 C.
0156 C.
0157 C. ***** Start EIS operation (TI set) *****
0158 C. Execute, after the success of OP upload.
0159 C. Set EIS TI-commands
0160 +. TI 2010-04-22 10:09:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC          (21 02)
0163 +. TI 2010-04-22 10:09:40.0
0164 DC 07-FC EIS_MODE_CHG_DIS
0165 BC          (22)
0166 C.          [ ] [HK1_TI_CMD_NUM]          EQ          2 COUNTUP
0167 C. ***** End EIS operation (TI set) *****
0168 C.
0169 C.
0170 C.
0171 C. ***** XRT START *****
0172 C. Execute, after the success of OP upload.
0173 +. TI 2010-04-22 10:09:00.0
0174 DC 07-F0 MDP_XRT_MODE_STBY
0175 BC          (c3)
0176 C.          [ ] [HK1_TI_CMD_NUM]          EQ          1COUNTUP
0177 C.
0178 C. ***** XRT END *****
0179 C.
0180 C. ***** MDP ´úÃîaİ»ö¼YªÈÄa¹aèDCBC•x²è *****
0181 C. (%á°İYÖYÁYÈY¥YÈYÁYÇYèaÈ¼aª¼Á»Üa¹aè)
0182 C. S. DC-BC dcbc-402:DCBC
0183 C. (MDP_known_event)
0184 C.
0185 C.
0186 C. ***** YD¥¹•İ Daily±¿İÑaÈ¹Øa¹aèDCBC•x²è *****
0187 C. S. DC-BC dcbc-153:DCBC
0188 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 C. ;ãLOS¥ÁY§YÁY-¼Á»Ü;ã
0192 C.
0193 C. ***** LOS *****

```





```
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 0ms
0134 C. *****
0135 C. EIS START OBSTBL LOAD
0136 C. *****
0137 . S. RAM ram-821: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 2010-04-22 10:09:50.0
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 `úÃîâî»ö¼ÝðĚĀĐð¹æDCBC•x²è *****
0153 C. (%ã°î¥Ŏ¥ĀYĚYÏ¥ĚYĀYçYèæĚ¼αα¼Ā»Û¹æé)
0154 . S. DC-BC dcbc-402:DCBC
0155 (MDP_known_event)
0156 C.
0157 C.
0158 . C. ***** ¥D¥¹•İ Daily±;İÑæ'Øα¹æDCBC•x²è *****
0159 . S. DC-BC dcbc-153:DCBC
0160 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0161 C.
0162 C.
0163 . C. ;ãLOS¥ĀY¥ĀY-¼Ā»Û;ã
0164 C.
0165 . C. ***** LOS *****
0166 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-318 2010-04-22 11:47:20 88 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÄY-¼Ä»Û;ã
0005 C.
0006 C. YÄYB;¼Y³YFYOYÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Äí;Èø¿òÄò•µ°È»Í×ÁÇòÍYçYÄY×Yí;¼YÉ;ÈÈè¼µ•íÍÈ;ÈòÈ¼°ÇÒò•ò¿¼í¹çòÍ;çÄ®, ùò¹òèòòòçÄ+¿®ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG_____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR _____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 06 80 80 20 04)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 80 10 10)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 80 80 20 20)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 80 80 20 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0a 80 80 08 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0b c0 c0 10 10)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0c 40 c0 10 10)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0d 40 40 10 10)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0e c0 40 10 10)
0058 + DC 07-F0 MDP_XRT_AEC_RESET
0059 BC (d0)
0060 . C. ----- Success Verify ? OK / NG _____
0061 C.
0062 C.
0063 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0064 C.
0065 +. DC 07-F0 MDP_XRT_MODE_OBSV
0066 BC (c2)
0067 +. TI 2010-04-22 10:09:02.0
0068 DC 07-F0 MDP_XRT_MODE_OBSV
0069 BC (c2)
0070 . C. ----- Success Verify ? OK / NG _____
0071 C.
0072 C. ***** XRT END *****
0073 C.
0074 . C. ***** MDP `ûÄîòí»ò¼YòÈÄò¹òèDCBC•x²è *****
0075 C. (¼á°íYÓYÄYB;¼Y³YFYOYÉÄ+¿®ò•òÈòòò³òÈ;f)
0076 . S. DC-BC dcbc-402:DCBC
0077 (MDP_known_event)
0078 C.
0079 C.
0080 . C. ***** YDÿ!•İ Daily±¿ÍÑòÈ`Øò¹òèDCBC•x²è *****
0081 . S. DC-BC dcbc-153:DCBC
0082 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0083 C.
0084 C.
0085 . C. ;ãLOS YÄYŞYÄY-¼Ä»Û;ã
0086 C.
0087 . C. ***** LOS *****
0088 C.
```

Apr 22, 10 11:47

## XRT\_OGLIST\_0223.chk

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

```

2010/04/22 10:17:58.0 XRT_CTRL_MANU_409_OG [0x199]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/04/22 10:18:00.0 XRT_TCIB_XRT_S_HTR_A_DIS_441_OG [0x1b9]
                        TCIB_XRT_S_HTR_A_DIS 0 04-C0
2010/04/22 10:20:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 01 00 00 00 00
2010/04/22 10:22:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/04/22 10:22:02.0 XRT_QT_PROG_SET_421_OG [0x1a5]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0d
2010/04/22 10:22:04.0 XRT_ARS_DIS_425_OG [0x1a9]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2010/04/22 10:22:06.0 XRT_FLD_DIS_426_OG [0x1aa]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2010/04/22 10:22:08.0 XRT_FLRCTRL_DIS_434_OG [0x1b2]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2010/04/22 10:22:10.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/04/22 16:22:15.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/04/22 17:52:54.0 XRT_CTRL_MANU_422_OG [0x1a6]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/04/22 17:52:56.0 XRT_FOCUS_POSITION_427_OG [0x1ab]
                        XRT_FOCUS_POSITION 4 07-F8 22 f8 2e 00
2010/04/22 17:53:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 00 00 01 68
2010/04/22 17:54:24.0 XRT_QT_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 11
2010/04/22 17:54:26.0 XRT_FLD_DIS_413_OG [0x19d]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2010/04/22 17:54:28.0 XRT_FLRCTRL_DIS_414_OG [0x19e]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2010/04/22 17:54:30.0 XRT_ARS_DIS_437_OG [0x1b5]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2010/04/22 17:54:32.0 XRT_CTRL_AUTO_411_OG [0x19b]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/04/22 17:55:54.0 XRT_CTRL_MANU_422_OG [0x1a6]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/04/22 17:55:56.0 XRT_FOCUS_POSITION_427_OG [0x1ab]
                        XRT_FOCUS_POSITION 4 07-F8 22 f8 2e 00
2010/04/22 17:56:00.0 AOCs_OrE-point_Start_3_OG [0x099]
                        AOCU_NM 5 02-76 00 02 d9 00 b4
2010/04/22 17:57:24.0 XRT_QT_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 11
2010/04/22 17:57:26.0 XRT_FLD_DIS_413_OG [0x19d]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2010/04/22 17:57:28.0 XRT_FLRCTRL_DIS_414_OG [0x19e]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2010/04/22 17:57:30.0 XRT_ARS_DIS_437_OG [0x1b5]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2010/04/22 17:57:32.0 XRT_CTRL_AUTO_411_OG [0x19b]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/04/22 17:58:54.0 XRT_CTRL_MANU_422_OG [0x1a6]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/04/22 17:58:56.0 XRT_FOCUS_POSITION_427_OG [0x1ab]
                        XRT_FOCUS_POSITION 4 07-F8 22 f8 2e 00
2010/04/22 17:59:00.5 AOCs_OrE-point_Start_4_OG [0x09a]
                        AOCU_NM 5 02-76 00 02 d9 ff 4c
2010/04/22 18:00:24.0 XRT_QT_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 11
2010/04/22 18:00:26.0 XRT_FLD_DIS_413_OG [0x19d]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2010/04/22 18:00:28.0 XRT_FLRCTRL_DIS_414_OG [0x19e]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2010/04/22 18:00:30.0 XRT_ARS_DIS_437_OG [0x1b5]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2010/04/22 18:00:32.0 XRT_CTRL_AUTO_411_OG [0x19b]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/04/22 18:01:54.0 XRT_CTRL_MANU_422_OG [0x1a6]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/04/22 18:01:56.0 XRT_FOCUS_POSITION_427_OG [0x1ab]
                        XRT_FOCUS_POSITION 4 07-F8 22 f8 2e 00
2010/04/22 18:02:00.0 AOCs_OrE-point_Start_5_OG [0x09b]
                        AOCU_NM 5 02-76 00 00 00 fe 98
2010/04/22 18:03:24.0 XRT_QT_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 11
2010/04/22 18:03:26.0 XRT_FLD_DIS_413_OG [0x19d]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2010/04/22 18:03:28.0 XRT_FLRCTRL_DIS_414_OG [0x19e]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2010/04/22 18:03:30.0 XRT_ARS_DIS_437_OG [0x1b5]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2010/04/22 18:03:32.0 XRT_CTRL_AUTO_411_OG [0x19b]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/04/22 18:04:54.0 XRT_CTRL_MANU_422_OG [0x1a6]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/04/22 18:04:56.0 XRT_FOCUS_POSITION_427_OG [0x1ab]
                        XRT_FOCUS_POSITION 4 07-F8 22 f8 2e 00
2010/04/22 18:05:00.0 AOCs_OrE-point_Start_6_OG [0x09c]
                        AOCU_NM 5 02-76 00 fd 27 00 00
2010/04/22 18:06:24.0 XRT_QT_PROG_SET_440_OG [0x1b8]

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2010/04/22	18:06:26.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/22	18:06:28.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/22	18:06:30.0	XRT_ARS_DIS_437_OG [0x1b5]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/22	18:06:32.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/22	18:15:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/22	18:15:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/04/22	18:15:30.0	AOCS_ORe-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00 00 00 00	00
2010/04/22	18:15:46.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/22	18:15:48.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/22	18:15:50.0	XRT_ARS_DIS_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/22	18:18:28.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01
2010/04/22	18:18:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/22	18:35:24.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/22	18:35:30.0	AOCS_ORe-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	00 2e f9	2e f9
2010/04/22	18:38:02.0	XRT_FOCUS_POSITION_436_OG [0x1b4]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/04/22	18:38:22.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e
2010/04/22	18:38:24.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/22	18:38:26.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/22	18:38:28.0	XRT_ARS_DIS_437_OG [0x1b5]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/22	18:38:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/22	18:40:24.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/22	18:40:30.0	AOCS_ORe-point_Start_9_OG [0x09f]	AOCU_NM	5	02-76	00 2e f9	d1 07
2010/04/22	18:43:02.0	XRT_FOCUS_POSITION_436_OG [0x1b4]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/04/22	18:43:22.0	XRT_QT_PROG_SET_431_OG [0x1af]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c
2010/04/22	18:43:24.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/22	18:43:26.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/22	18:43:28.0	XRT_ARS_DIS_437_OG [0x1b5]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/22	18:43:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/22	18:45:24.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/22	18:45:30.0	AOCS_ORe-point_Start_10_OG [0x0a0]	AOCU_NM	5	02-76	00 d1 07	d1 07
2010/04/22	18:48:02.0	XRT_FOCUS_POSITION_436_OG [0x1b4]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/04/22	18:48:22.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03
2010/04/22	18:48:24.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/22	18:48:26.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/22	18:48:28.0	XRT_ARS_DIS_437_OG [0x1b5]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/22	18:48:30.5	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/22	18:50:24.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/04/22	18:50:30.0	AOCS_ORe-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	00 d1 07	2e f9
2010/04/22	18:53:02.0	XRT_FOCUS_POSITION_436_OG [0x1b4]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/04/22	18:53:22.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f
2010/04/22	18:53:24.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/04/22	18:53:26.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/04/22	18:53:28.0	XRT_ARS_DIS_437_OG [0x1b5]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/04/22	18:53:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/04/22	18:55:15.0	XRT_ROI_A_445_OG [0x1bd]	MDP_XRT_ROI_SET	6	07-F0	cd 06 80 80	20 20
			MDP_XRT_ROI_SET	6	07-F0	cd 07 80 80	20 08
			MDP_XRT_ROI_SET	6	07-F0	cd 08 80 80	08 20

			MDP_XRT_ROI_SET	6	07-F0	cd	09	c0	40	10	10
			MDP_XRT_ROI_SET	6	07-F0	cd	0a	80	80	08	08
			MDP_XRT_ROI_SET	6	07-F0	cd	0b	80	80	06	06
2010/04/22	18:55:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	01	00	00	00	00	00
2010/04/22	21:29:56.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/22	21:29:58.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00		
2010/04/22	21:30:18.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0					
2010/04/22	21:30:20.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8					
2010/04/22	21:30:22.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da					
2010/04/22	21:30:24.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9					
2010/04/22	21:30:26.0	XRT_ARS_DIS_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5					
2010/04/22	21:30:28.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	05				
2010/04/22	21:30:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2010/04/22	22:33:00.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/22	23:05:00.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2010/04/22	23:06:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	00:11:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	00:29:00.5	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2010/04/23	00:30:00.5	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2010/04/23	01:45:00.5	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	02:06:30.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2010/04/23	02:07:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	03:20:00.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	03:45:00.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2010/04/23	03:46:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	04:50:00.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	06:00:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	06:00:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00		
2010/04/23	06:01:00.0	AOCS_ORe-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00	00	00	00	00	00
2010/04/23	06:01:16.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9					
2010/04/23	06:01:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9					
2010/04/23	06:01:20.0	XRT_ARS_DIS_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5					
2010/04/23	06:03:58.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01				
2010/04/23	06:04:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2010/04/23	06:06:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	06:06:02.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00		
2010/04/23	06:06:22.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0					
2010/04/23	06:06:24.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9					
2010/04/23	06:06:26.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9					
2010/04/23	06:06:28.0	XRT_ARS_DIS_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5					
2010/04/23	06:06:30.0	XRT_QT_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	10				
2010/04/23	06:06:32.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2010/04/23	06:21:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	01	00	00	00	00	00
2010/04/23	06:30:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	07:02:26.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/04/23	07:02:28.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00		
2010/04/23	07:02:48.0	XRT_AEC_RESET_428_OG [0x1ac]	MDP_XRT_AEC_RESET	1	07-F0	d0					
2010/04/23	07:02:50.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8					
2010/04/23	07:02:52.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da					
2010/04/23	07:02:54.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9					



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2010/04/23	07:02:56.0	XRT_ARS_DIS_446_OG [0x1be]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/23	07:02:58.0	XRT_QT_PROG_SET_419_OG [0x1a3]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2010/04/23	07:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/23	08:10:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/23	08:40:30.0	XRT_Custom_410_OG [0x19a]							
2010/04/23	08:41:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/23	09:51:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/23	10:19:00.0	XRT_Custom_410_OG [0x19a]							
2010/04/23	10:20:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/23	11:41:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/23	13:36:30.0	XRT_Custom_410_OG [0x19a]							
2010/04/23	13:37:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/23	14:57:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/23	15:38:30.0	XRT_Custom_410_OG [0x19a]							
2010/04/23	15:39:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/23	16:36:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/23	17:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/23	17:59:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2010/04/23	18:00:00.0	AOCS_Ore-point_Start_7_OG [0x09d]							
		AOCU_NM	5	02-76	00	00	00	00	00
2010/04/23	18:00:16.0	XRT_FLD_DIS_413_OG [0x19d]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/04/23	18:00:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/23	18:00:20.0	XRT_ARS_DIS_415_OG [0x19f]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/23	18:02:58.0	XRT_QT_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	01			
2010/04/23	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/23	18:10:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	01	00	00	00	00
2010/04/23	18:14:30.5	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/23	22:06:26.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/23	22:06:28.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/04/23	22:06:48.0	XRT_AEC_RESET_428_OG [0x1ac]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/04/23	22:06:50.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/04/23	22:06:52.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/04/23	22:06:54.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/23	22:06:56.0	XRT_ARS_DIS_446_OG [0x1be]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/23	22:06:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	05			
2010/04/23	22:07:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/23	23:10:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/23	23:37:00.0	XRT_Custom_410_OG [0x19a]							
2010/04/23	23:38:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/24	00:48:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/24	01:06:00.0	XRT_Custom_410_OG [0x19a]							
2010/04/24	01:07:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/24	02:20:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/24	02:44:30.0	XRT_Custom_410_OG [0x19a]							
2010/04/24	02:45:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/24	03:49:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/24	04:23:00.0	XRT_Custom_410_OG [0x19a]							
2010/04/24	04:24:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/24	05:28:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/24	06:04:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/24	06:04:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2010/04/24	06:05:00.0	AOCS_Ore-point_Start_7_OG [0x09d]							

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2010/04/24	06:05:16.0	XRT_FLD_DIS_413_OG [0x19d]	AOCU_NM	5	02-76	00	00	00	00	00
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/04/24	06:05:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	AOCU_NM	5	02-76	00	00	00	00	00
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/04/24	06:05:20.0	XRT_ARS_DIS_415_OG [0x19f]	AOCU_NM	5	02-76	00	00	00	00	00
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/04/24	06:07:58.0	XRT_QT_PROG_SET_416_OG [0x1a0]	AOCU_NM	5	02-76	00	00	00	00	00
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	01			
2010/04/24	06:08:00.0	XRT_CTRL_AUTO_408_OG [0x198]	AOCU_NM	5	02-76	00	00	00	00	00
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/04/24	06:10:00.0	XRT_CTRL_MANU_400_OG [0x190]	AOCU_NM	5	02-76	00	00	00	00	00
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/04/24	06:15:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	01	00	00	00	00
			AOCU_NM	5	02-76	00	00	00	00	00
2010/04/24	11:02:00.0	AOCS_ORe-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00	00	00	00	00
			AOCU_NM	5	02-76	00	00	00	00	00