

XRT Timeline to be uploaded on 2009/08/01

Period: 2009/08/01 11:02:00 - 2009/08/06 10:19:00

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Normal mode

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XOB #1638: Synoptic 9 Filter- 2x2 Q98 Longer exp												
Term		Pointing (x, y)					Comment					
08/01 11:12:24 - 08/01 15:11:54		Fixed (0.0, 0.0)					# OP start + 10min, disk center pointing for EIS sensitivity monitoring, calibrations, etc.					
PROG= 05 1-time(s)												
└─ Subr= 1 1-time(s) 180.0sec												
└─ Seqn= 39 1-time(s) 30.0sec												
└─ Open/Al-mesh		Open/Ti-poly		close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Open/Al-mesh		Open/Ti-poly		close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Seqn= 19 1-time(s) 30.0sec												
└─ Open/Ti-poly		Open/thick-Al		close	Safe	Norm	707ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Open/Ti-poly		Open/thick-Al		close	Safe	Norm	11.3s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Seqn= 6 1-time(s) 30.0sec												
└─ Al-poly/Open		Al-poly/Open		close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Al-poly/Open		Al-poly/thick-Al		close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Seqn= 52 1-time(s) 30.0sec												
└─ C-poly/Open		C-poly/Open		close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ C-poly/Open		med-Be/Open		close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Seqn= 90 1-time(s) 30.0sec												
└─ Al-poly/Ti-poly		Al-poly/thick-Al		close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Seqn= 55 1-time(s) 30.0sec												
└─ thin-Be/Open		thin-Be/Open		close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Subr= 2 1-time(s) 360.0sec												
└─ Seqn= 20 1-time(s) 4.0sec												
└─ med-Al/Open		med-Al/Open		close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Seqn= 45 1-time(s) 4.0sec												
└─ Open/thick-Be		Open/thick-Be		close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Seqn= 50 1-time(s) 4.0sec												
└─ Open/Al-mesh		Open/Al-mesh		close	Safe	Dark	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
└─ Seqn= 92 1-time(s) 4.0sec												
└─ Open/G-band		Open/G-band		open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Default Filter		Thicker Filter		VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer Interval

XOB #16AC: G-Band Alignment with North Pole Q90 2x2(G-band only) - 5min cadence - Partial Sun-wNGT												
Term		Pointing (x, y)					Comment					
08/01 15:27:00 - 08/01 17:19:00		Fixed (0.0, 945.0)					* Co-alignment offset, N.					
PROG= 04 1-time(s)												
└─ Subr= 1 1-time(s) 360.0sec												
└─ Seqn= 10 24-time(s) 300.0sec												
└─ Open/G-band		Open/G-band		open	Safe	Norm	16ms	Obs	2x2	2048x1536 (1024, 768)	Q=90	0 0 2.0sec
Default Filter		Thicker Filter		VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer Interval

XOB #16D9: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 2048x512 -1x1 512x2048) +Ti-poly(723/11571) + G-band(1												
Term		Pointing (x, y)					Comment					
08/01 18:04:30 - 08/01 18:11:24		Fixed (0.0, 0.0)					synoptic, shifted 1.5 min					
08/02 17:49:00 - 08/02 17:55:54		Fixed (0.0, 0.0)					synoptic, shifted -14.0 min					
08/03 17:58:30 - 08/03 18:05:24		Fixed (0.0, 0.0)					synoptic, shifted -4.5 min					
PROG= 08 1-time(s)												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 36 1-time(s) 4.0sec												
└─ Al-poly/Open		Al-poly/Open		close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
└─ Al-poly/Open		Al-poly/thick-Al		close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
└─ Seqn= 85 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= 88 1-time(s) 4.0sec												
└─ Open/Ti-poly		Open/thick-Al		close	Safe	Norm	707ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
└─ Open/Ti-poly		Open/thick-Al		close	Safe	Norm	11.3s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
└─ Seqn= 92 1-time(s) 2.0sec												
└─ Open/G-band		Open/G-band		open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Default Filter		Thicker Filter		VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer Interval

XOB #16AD: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8 min cadence-wNGT												
Term		Pointing (x, y)					Comment					
08/01 18:26:30 - 08/01 20:11:24		Fixed (-945.0, 0.0)					# Co-alignment offset, E.					
PROG= 17 1-time(s)												
└─ Subr= 1 1-time(s) 360.0sec												
└─ Seqn= 13 15-time(s) 480.0sec												
└─ Open/G-band		Open/G-band		open	Safe	Norm	16ms	Obs	2x2	1536x2048 (1280, 1024)	Q=90	0 0 2.0sec

XOB #16E9: Boundary between AR and CH (test for HOP 129)

Term	Pointing (x, y)	Comment
08/01 20:13:30 - 08/02 05:48:24	Track (15.8, -522.7) @ 08/01 20:11:30	* Track AR remnant, with TRACE for HOP 126 test over 00:30 - 04:30 UT on 2 Aug.
08/02 06:00:30 - 08/02 17:45:54	Track (92.3, -522.6) @ 08/02 05:58:30	# Continue to track AR remnant for rest of period, with Hida, HOP 128, near 0 UT on 3 and 4
08/02 17:58:00 - 08/03 05:59:54	Track (184.6, -521.5) @ 08/02 17:56:00	# Cont.
08/04 02:07:06 - 08/04 06:29:54	Track (363.0, -516.0) @ 08/03 18:05:30	# Cont.

PROG= 09 Inf.-time(s)

Subr= 1	1-time(s)	2.0sec										
Seqn= 2	1-time(s)	4.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	250ms	Obs	2x2	1024x1024 (1024, 1024)	Q=90	0	0	2.0sec
Seqn= 93	1-time(s)	4.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	2.00s	Obs	2x2	1024x1024 (1024, 1024)	Q=90	0	0	2.0sec
Subr= 2	30-time(s)	60.0sec										
Seqn= 38	3-time(s)	15.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	512x512 (1024, 1024)	Q=90	0	0	2.0sec
Seqn= 12	1-time(s)	15.0sec										
thin-Be/Open	thin-Be/Open	close	Safe	Norm	8.00s	Obs	2x2	512x512 (1024, 1024)	Q=90	0	0	2.0sec

XOB #16E8: Synoptic Q95 2x2 - Al/mesh(256/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(181/2048) + G-band(181/2048)

Term	Pointing (x, y)	Comment
08/02 05:51:30 - 08/02 05:58:24	Fixed (0.0, 0.0)	synoptic, shifted -11.5 min
08/03 06:03:00 - 08/03 06:09:54	Fixed (0.0, 0.0)	synoptic
08/04 06:33:00 - 08/04 06:39:54	Fixed (0.0, 0.0)	synoptic, shifted 30.0 min

PROG= 06 1-time(s)

Subr= 1	1-time(s)	12.0sec										
Seqn= 18	1-time(s)	4.0sec										
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Seqn= 85	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= 68	1-time(s)	4.0sec										
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	1.00s	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
Seqn= 92	1-time(s)	2.0sec										
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

XOB #16EB: Boundary between AR and CH (low rate)

Term	Pointing (x, y)	Comment
08/03 06:12:00 - 08/03 17:55:24	Track (276.7, -519.3) @ 08/03 06:10:00	# Cont.
08/03 18:07:30 - 08/03 23:29:30	Track (363.0, -516.0) @ 08/03 18:05:30	# Cont.
08/04 06:42:00 - 08/04 09:47:54	Track (449.1, -511.3) @ 08/04 06:40:00	# Cont.

PROG= 20 Inf.-time(s)

Subr= 1	1-time(s)	2.0sec										
Seqn= 2	1-time(s)	4.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	250ms	Obs	2x2	1024x1024 (1024, 1024)	Q=90	0	0	2.0sec
Seqn= 93	1-time(s)	4.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	2.00s	Obs	2x2	1024x1024 (1024, 1024)	Q=90	0	0	2.0sec
Subr= 2	60-time(s)	30.0sec										
Seqn= 38	1-time(s)	30.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	512x512 (1024, 1024)	Q=90	0	0	2.0sec

XOB #16EA: HOP128 AR-dynamics -384x384 - Al/poly (AEC1)

Term	Pointing (x, y)	Comment
08/04 00:01:07 - 08/04 02:05:00	Track (363.0, -516.0) @ 08/03 18:05:30	# Cont.

PROG= 10 Inf.-time(s)

Subr= 1	1-time(s)	30.0sec										
Seqn= 11	1-time(s)	2.0sec										
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1024, 1024)	DPCM	1	0	2.0sec

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Flare mode

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NOT USED

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Active Region Search

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NOT USED

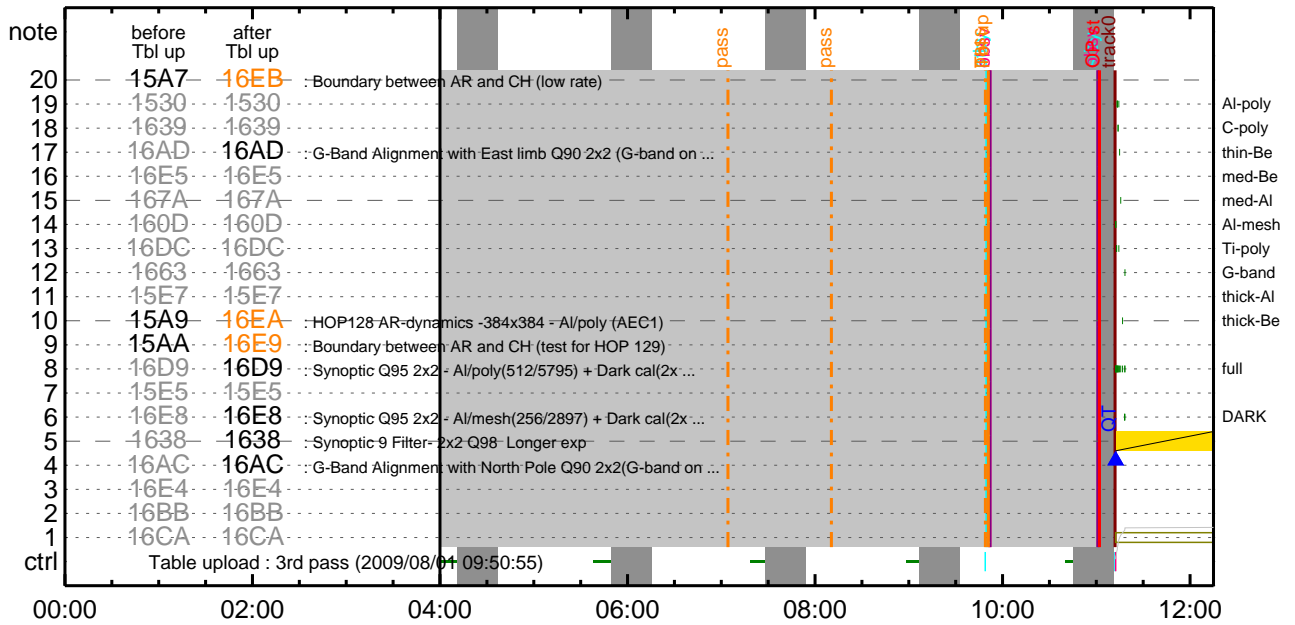
* * * * *

Flare Detection

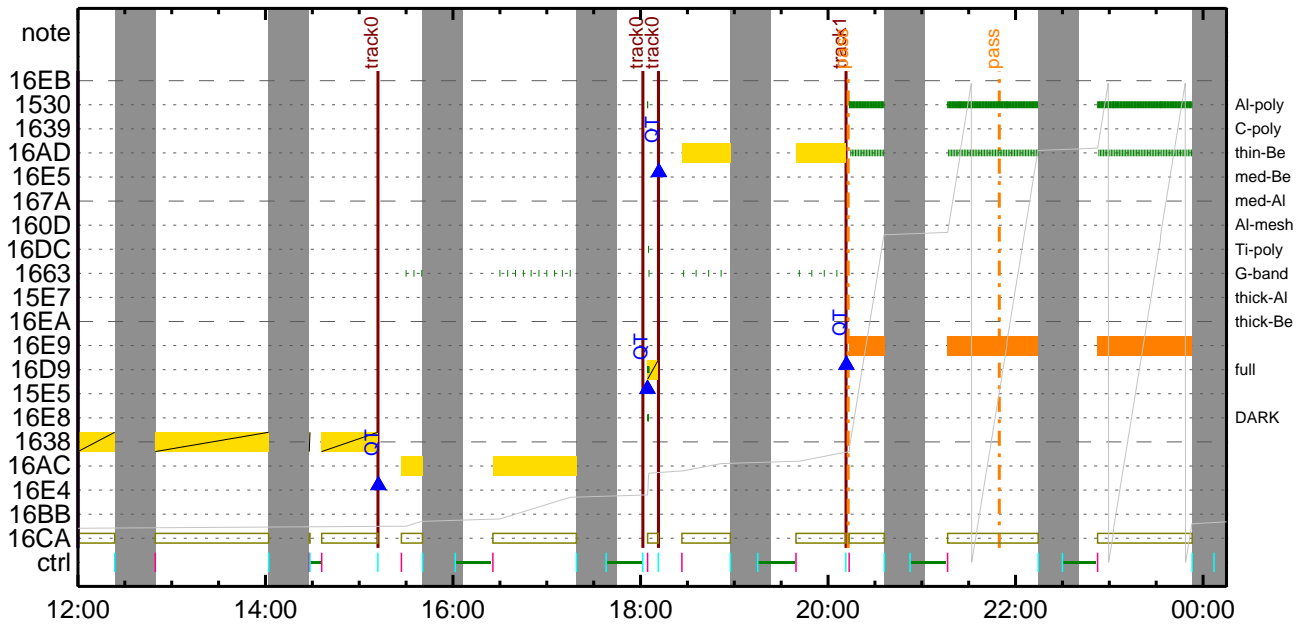
* * * * *

NOT USED

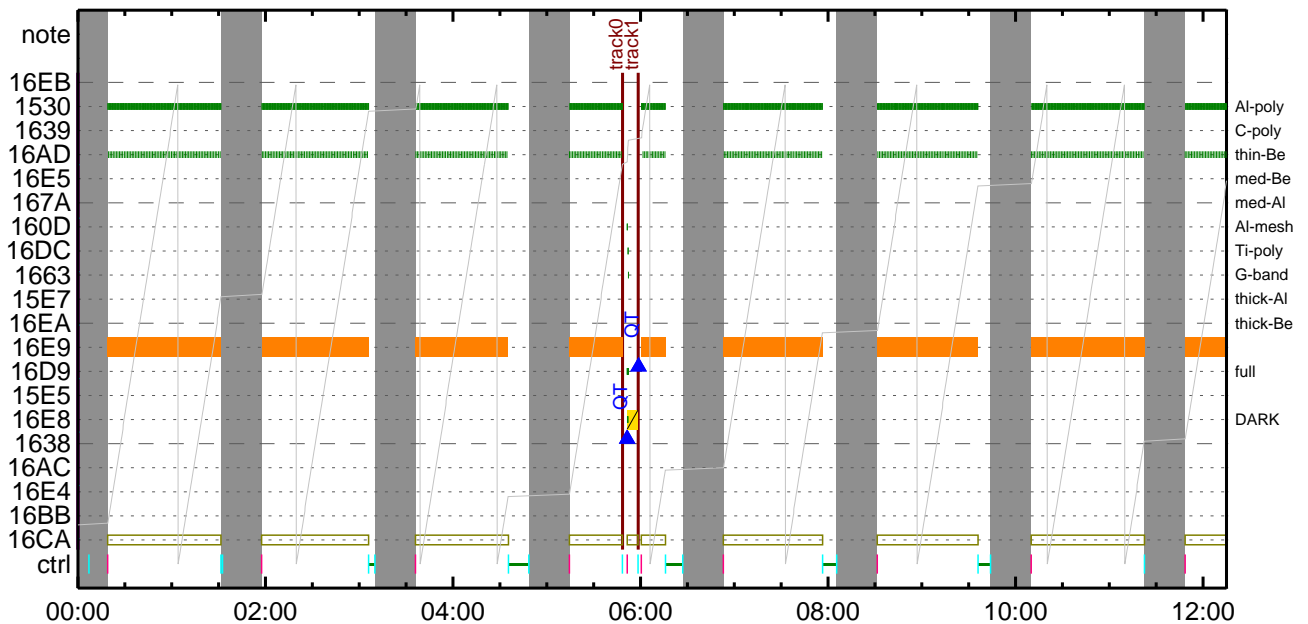
CMDI #0717 2009/08/01



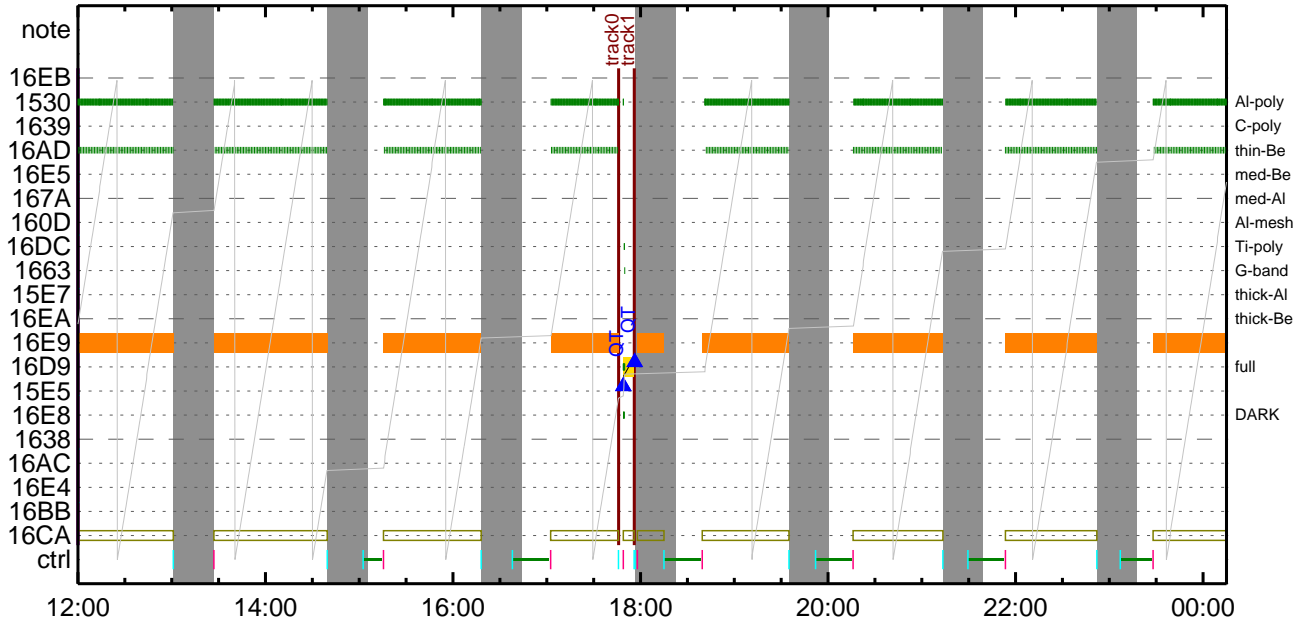
CMDI #0717 2009/08/01



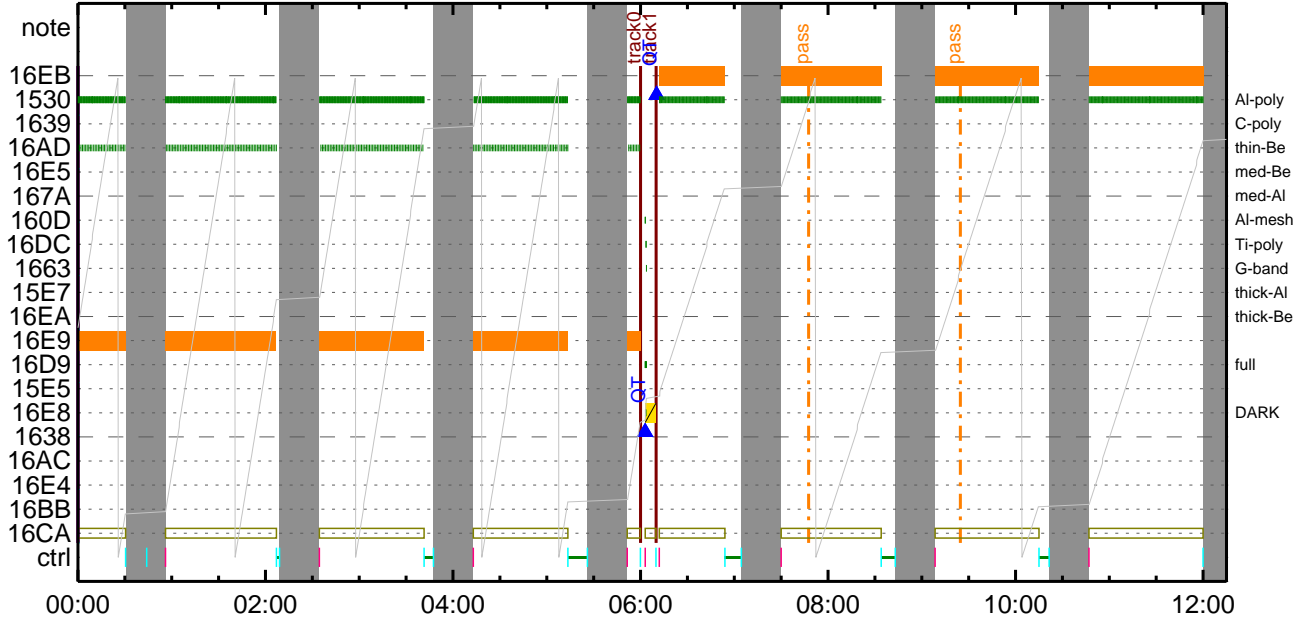
CMDI #0717 2009/08/02



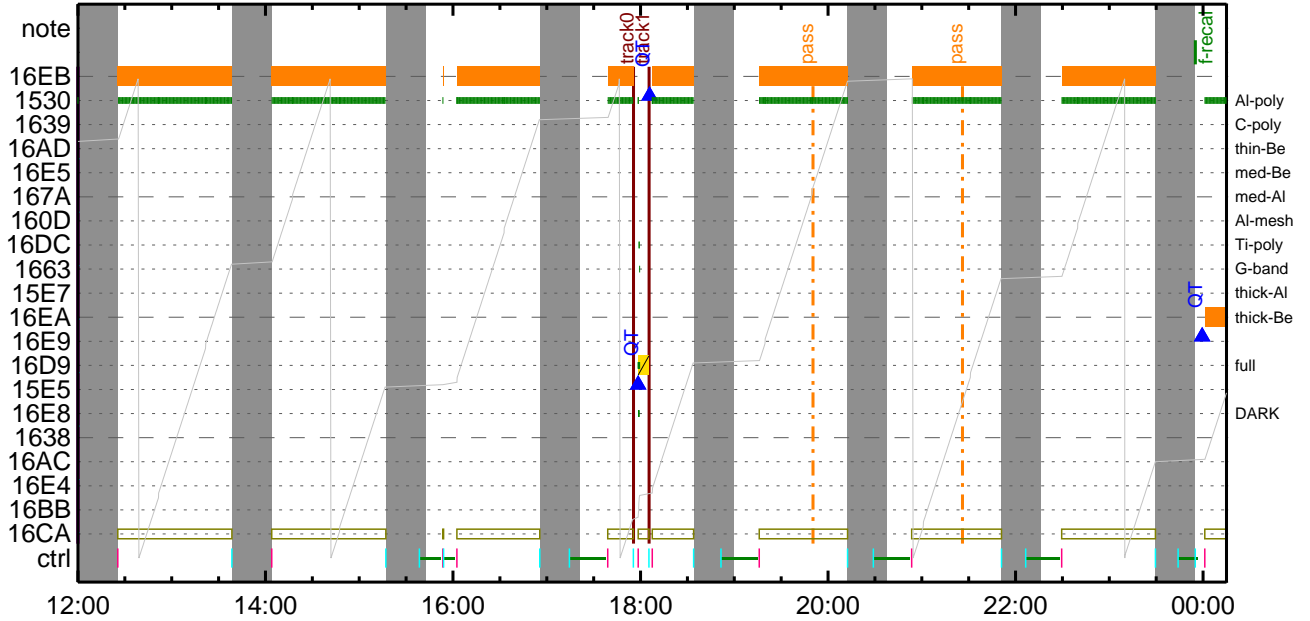
CMDI #0717 2009/08/02



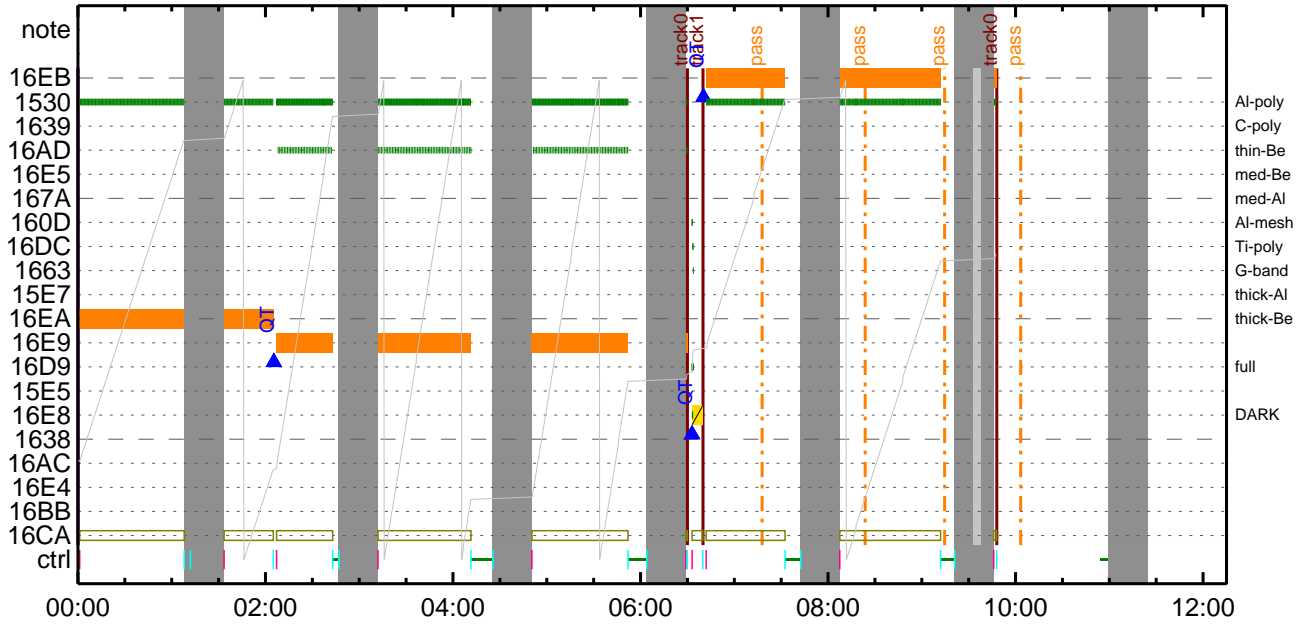
CMDI #0717 2009/08/03



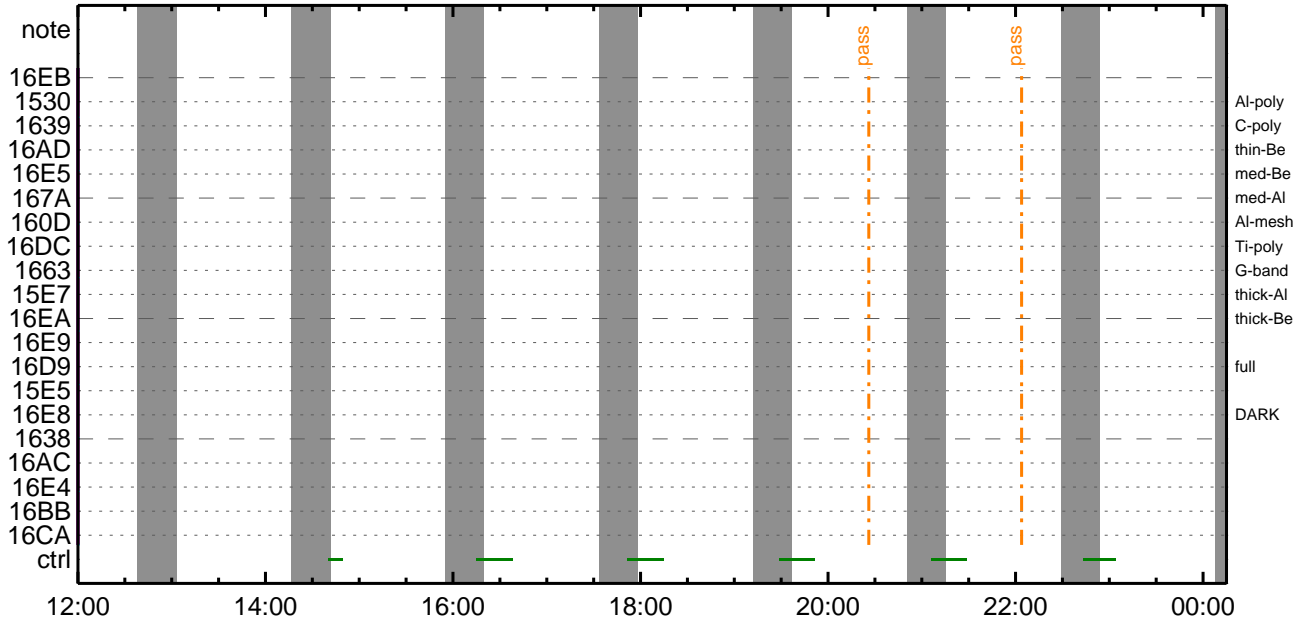
CMDI #0717 2009/08/03



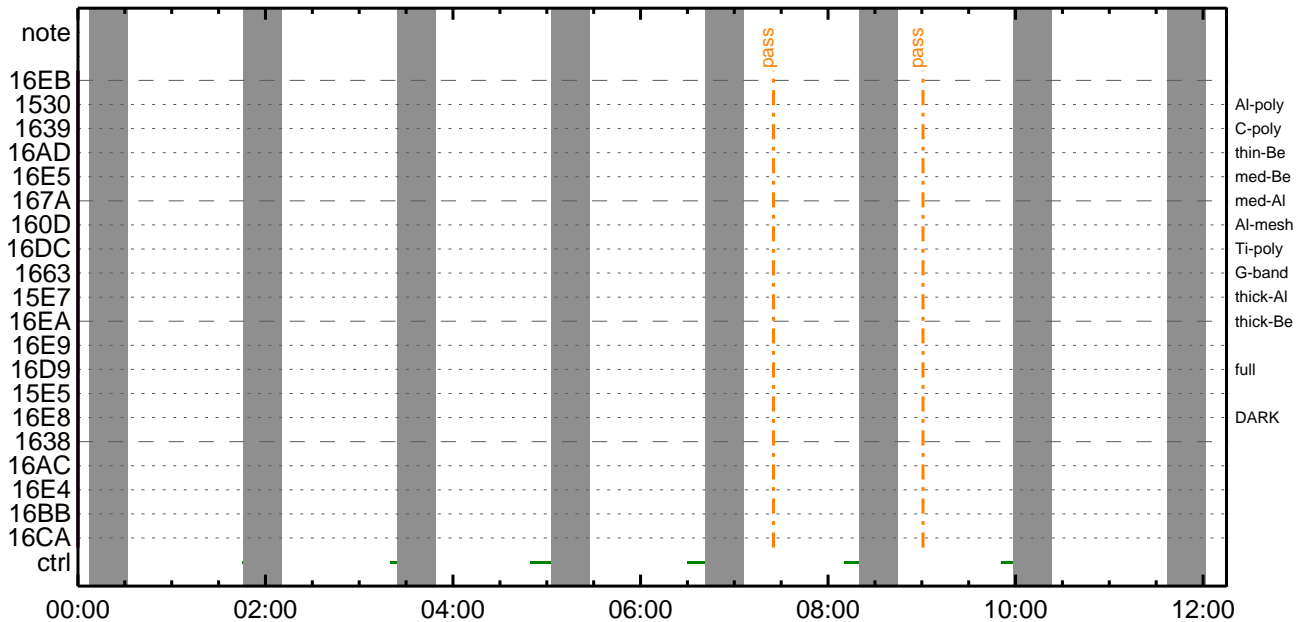
CMDI #0717 2009/08/04



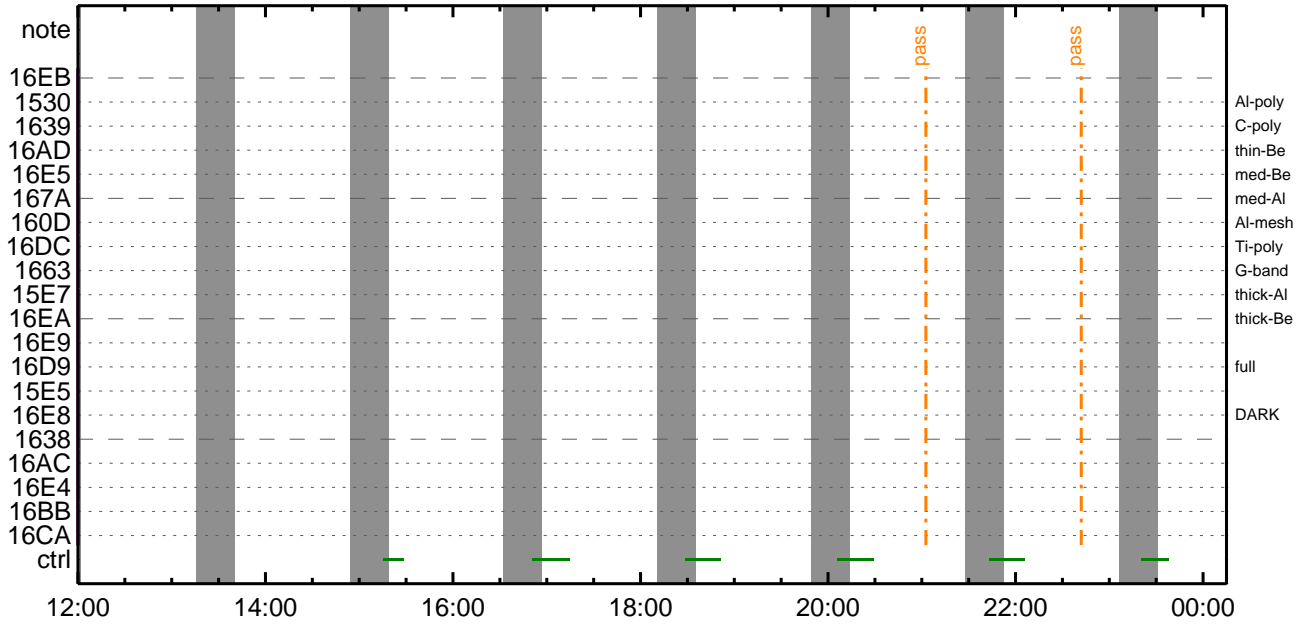
CMDI #0717 2009/08/04



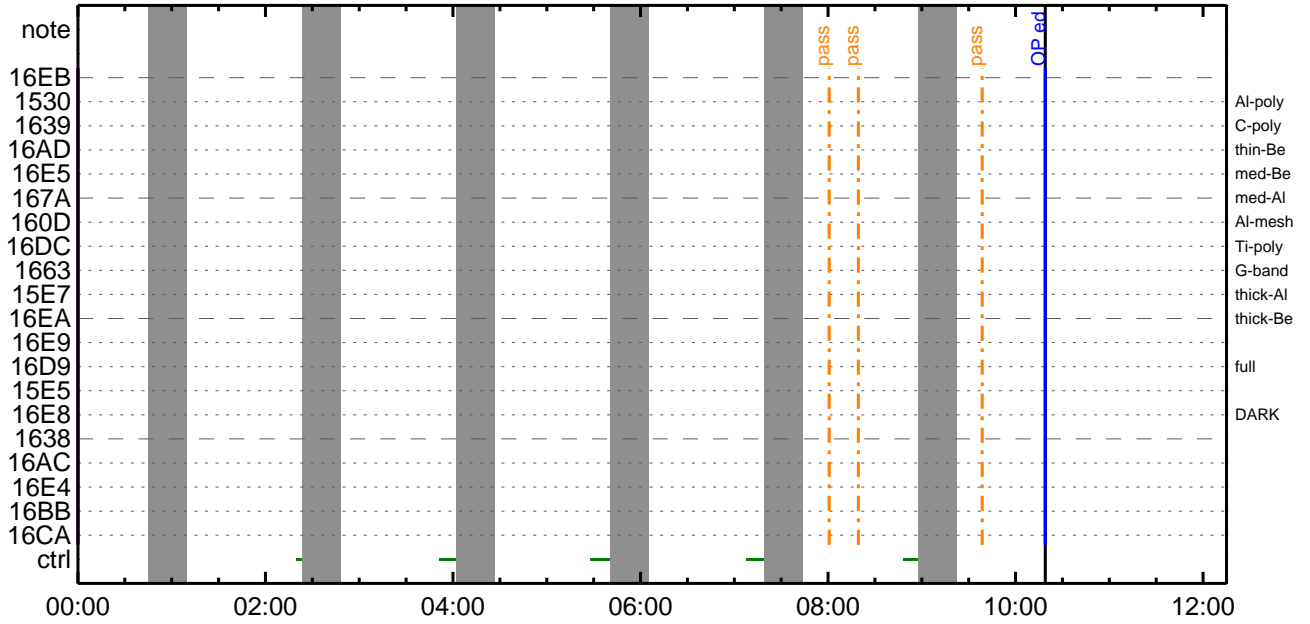
CMDI #0717 2009/08/05



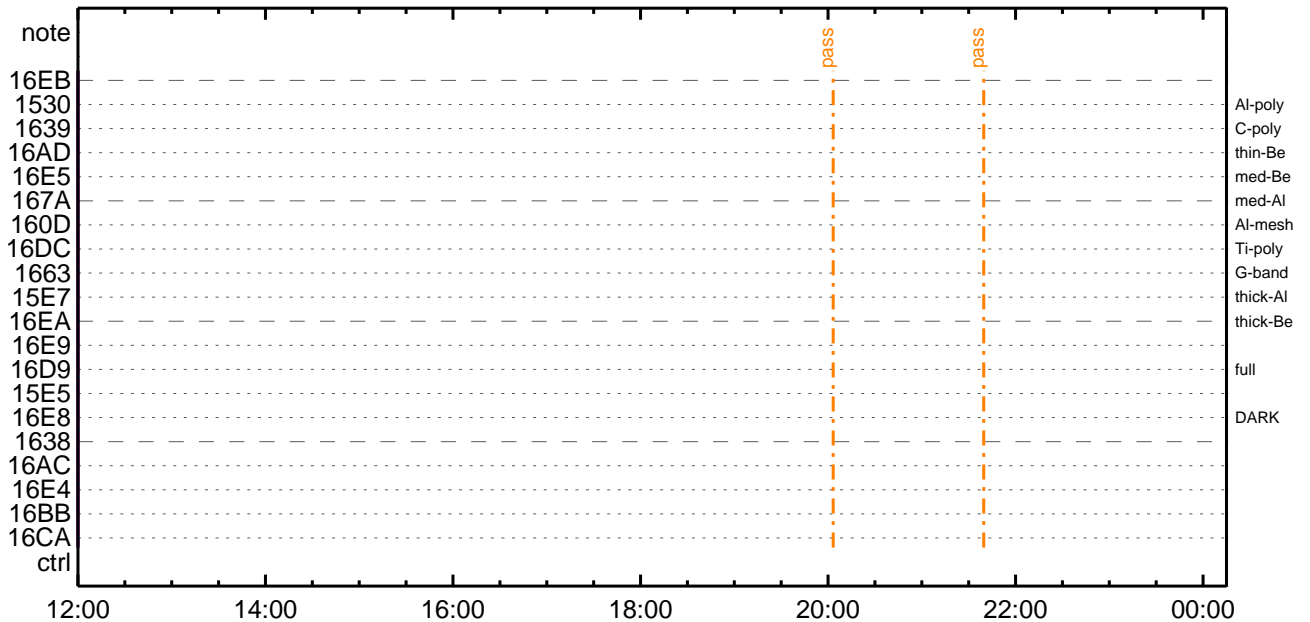
CMDI #0717 2009/08/05



CMDI #0717 2009/08/06



CMDI #0717 2009/08/06




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0096 C.          01-03; SET DUMP I±°iYNY¹aÇ¹Ôa|a³aE;f
0097 C.
0098 C.          TI³YBYÖYÉaδADi¿(UT)
0099 +. TI 2009-08-01 10:57:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0102 C.
0103 +. TI 2009-08-01 10:57:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0106 C.
0107 +. TI 2009-08-01 10:57:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0110 C.
0111 +. TI 2009-08-01 11:01:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0114 C.
0115 C.          °E²¼aîÄè%îíNñîîYÁY§YÁY-¹àìÛ
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.          TIîî°èYÁYÖYx
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.          YÁYÖYx½¹î»aδ³îÇ§
0142 C.          çç[HK1_DMP_CHK_FLG] EQ NON
0143 C.
0144 C.          RAM ID=TI_TBLaîE¹Ç.è²ìOKaδ³îÇ§
0145 C.
0146 C.          DHUÿâ;¼YÉ;È¼Y½, Yì;¼YÈ;Èaδîáa¹
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.          *****
0155 C.          SOT TI command set
0156 C.          *****
0157 C.          Execute, after the success of OP upload.
0158 +. TI 2009-08-01 11:01:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC          (41)
0161 C.          -----
0162 C.          HK1_TI_CMD_NUM = 1 CNTUP [ ]
0163 C.          -----
0164 C.          ***** SOT END *****
0165 C.          Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C.          ***** Start EIS operation (TI set) *****
0169 C.          Execute, after the success of OP upload.
0170 C.          Set EIS TI-commands
0171 +. TI 2009-08-01 11:01:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC          (21 02)
0174 +. TI 2009-08-01 11:01:40.0
0175 DC 07-FC EIS_MODE_CHG_DIS
0176 BC          (22)
0177 C.          [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0178 C.          ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C.          ***** XRT START *****
0183 C.          Execute, after the success of OP upload.
0184 +. TI 2009-08-01 11:01:00.0
0185 DC 07-F0 MDP_XRT_MODE_STBY
0186 BC          (c3)
0187 C.          [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0188 C.
0189 C.          ***** XRT END *****
0190 C.
0191 C.          ***** MDP `úÃîîî»ö¼YòÈÄaδ¹aèDCBC•x²è *****
0192 C.          (¼a°îYÖYÁYÉYBYÉYÁYçYéaE¼a¼A»Üa¹aé)
0193 S. DC-BC dcbc-402:DCBC

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```
0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ä
0203 C.
0204 . C. ***** LOS *****
0205 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-756 2009-08-01 12:55:04 198 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŠYÄY-¼Ä»Ü;ä
0005 C.
0006 C. YÀYß;¼Y³YFÿOYÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ëð¿ðÄð·μ°È»Í×ÁÇðÍYÇYÄY×YÍ;¼YÉ;ËÈÈ%μ·ííË;ËðÈ¼°Çðð·ð¿¼í¹Çðí;ÇÄ®, ùð¹ðÈððÇÄ+¿®ð·ðÈððð³ðÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+¿@μ;ON
0016 C. *****
0017 C. Ç° ðÄ, í×ËYðäLOSððÇðí»p´ Òðð¹íí, ð·; ÇËÖÍ×ðÈXÄÖONðí¹ÒðÈðíðÈððð³ðÈ;f
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 +. DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 +. DC 03-95 TCIA_XMOD_QPSK
0024 C.                ÇÇ[HK1_XPA_ON/OFF]                EQ         ON
0025 C.                ÇÇ[HK1_XPA_PWR_HI/LO]              EQ         HI
0026 C.                ÇÇ[HK1_XMOD_ON/OFF]                EQ         ON
0027 C.                ÇÇ[HK1_XMOD_QPSK/PM]               EQ         QPSK
0028 C.
0029 . C. XYDYÓYÉYÍYÄY-¾ÔÄÖð~°ÄÄêð·ð¿ðé; Ç°È²¼ðí°ÈÄ, ¼È%Çðð¼Ä¹Òð¹ðé;f
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°ÈÄ,
0033 C. *****
0034 C. Ç° RESTART;ÈPT1;Ëð·ð¿ð¾¼í¹Çðí; Ç°È²¼ðí°ÈÄ¹Òð»ð°; ÇDCBC-150ðð¿¿Èðà;f
0035 C.
0036 . C. ;ãPT1°ÈÄ, ³«»í;ä
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 +. DC 06-C8 DR_PT1_REP_SEL
0039 BC                (01 00)
0040 +. DC 06-B3 DR_REP_START
0041 +. DC 01-32 DHU_X_VC4_ON
0042 C.                ÇÇ[HK1_REP_PT_1/2]                EQ         PT1    (¼Ä¹Ò, ;¼Ú)
0043 C.                ÇÇ[HK1_REP_STA/STP]                EQ         START  (¼Ä¹Ò, ;¼Ú)
0044 C.                ÇÇ[HK1_X_VC4_ON/OFF]               EQ         ON      (¼Ä¹Ò, ;¼Ú)
0045 C.
0046 . C. ;ãYÇYÓYÉYÄYÈÄÜÄØ;ÈÄ·Ä°²óÈð;Ë, äðí°ÈÄ, °È³«;ä
0047 +. DC 06-B3 DR_REP_START
0048 +. DC 01-32 DHU_X_VC4_ON
0049 C.                ÇÇ[HK1_REP_PT_1/2]                EQ         PT1    (¼Ä¹Ò, ;¼Ú)
0050 C.                ÇÇ[HK1_REP_STA/STP]                EQ         START  (¼Ä¹Ò, ;¼Ú)
0051 C.                ÇÇ[HK1_X_VC4_ON/OFF]               EQ         ON      (¼Ä¹Ò, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÈÄ, ð~¼«È°Ää»ßð·ð¿, á; Ç°È²¼ðð¼Ä¹Òð¹ðé;f
0055 C. YÇYÓYÉYÄYÈÄÜÄØðäÄ·Ä°²óÈðð~¾áð¾¼í¹Çðí´°í»ð¹ðÈððÇÄÖðÄ;f
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°ÈÄ,
0059 C. *****
0060 C. Ç° RESTART;ÈPT2;Ëð·ð¿ð¾¼í¹Çðí; Ç°È²¼ðí°ÈÄ¹Òð»ð°; ÇDCBC-151ðð¿¿Èðà;f
0061 C.
0062 . C. ;ãPT2°ÈÄ, ³«»í;ä
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 +. DC 06-C8 DR_PT2_REP_SEL
0065 BC                (02 00)
0066 +. DC 06-B3 DR_REP_START
0067 +. DC 01-32 DHU_X_VC4_ON
0068 C.                ÇÇ[HK1_REP_PT_1/2]                EQ         PT2    (¼Ä¹Ò, ;¼Ú)
0069 C.                ÇÇ[HK1_REP_STA/STP]                EQ         START  (¼Ä¹Ò, ;¼Ú)
0070 C.                ÇÇ[HK1_X_VC4_ON/OFF]               EQ         ON      (¼Ä¹Ò, ;¼Ú)
0071 C.
0072 . C. ;ãYÇYÓYÉYÄYÈÄÜÄØ;ÈÄ·Ä°²óÈð;Ë, äðí°ÈÄ, °È³«;ä
0073 +. DC 06-B3 DR_REP_START
0074 +. DC 01-32 DHU_X_VC4_ON
0075 C.                ÇÇ[HK1_REP_PT_1/2]                EQ         PT2    (¼Ä¹Ò, ;¼Ú)
0076 C.                ÇÇ[HK1_REP_STA/STP]                EQ         START  (¼Ä¹Ò, ;¼Ú)
0077 C.                ÇÇ[HK1_X_VC4_ON/OFF]               EQ         ON      (¼Ä¹Ò, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÈÄ, Ää»ß;ÇXÁ+¿@μ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÈÄ, Ää»ß;ä
0084 +. DC 06-B4 DR_REP_STOP
0085 +. DC 01-29 DHU_S/X_VC4_OFF
0086 C.                ÇÇ[HK1_REP_STA/STP]                EQ         STOP
0087 C.                ÇÇ[HK1_S_VC4_ON/OFF]                EQ         OFF
0088 C.                ÇÇ[HK1_X_VC4_ON/OFF]                EQ         OFF
0089 C.
0090 . C. ;ãXÁ+¿@μ;OFF;ä
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 +. DC 03-B5 TCIA_XPA_OFF
0094 C.                ÇÇ[HK1_XMOD_ON/OFF]                EQ         OFF
0095 C.                ÇÇ[HK1_XPA_ON/OFF]                 EQ         OFF
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0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] 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. *****
0130 C. SOT table upload
0131 C. *****
0132 . C. < Stop FG table >
0133 +. DC 07-F0 MDP_FG_CTRL_MANU
0134 BC (51)
0135 . C. -----
0136 C. MDP_FG_CTRL_MODE = MANU [ ]
0137 C. -----
0138 C.
0139 . C. <Upload FG Observation Table>
0140 . S. RAM ram-266:MDP_OBS_F
0141 ( )
0142 C.
0143 . C. < Dump RAMID=MDP_OBS_F >
0144 +. DC 07-F0 MDP_DUMP_FGTBL
0145 BC (82 07 00 00 00 38 b8)
0146 C. -----
0147 C. MDP_OBS_F verify = OK/NG [ ]
0148 C. -----
0149 C.
0150 C. *****
0151 C. SOT TI command set
0152 C. *****
0153 C. Execute, after the success of TBL upload.
0154 +. TI 2009-08-01 11:01:18.0
0155 DC 07-F0 MDP_SOT_MODE_OBSV
0156 BC (40)
0157 . C. -----
0158 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0159 C. -----
0160 C.
0161 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0162 +. DC 07-FC EIS_MODE_MANU
0163 BC (21 02)
0164 . C. Verify EIS in MANUAL mode
0165 . C. Estimated OBSTBL upload time is 39s
0166 C. *****
0167 C. EIS START OBSTBL LOAD
0168 C. *****
0169 . S. RAM ram-820:EIS_OBSTBL
0170 ( )
0171 +. DC 07-FC EIS_DUMP_OBSTBL
0172 BC (07 07 07 00 00 70 00)
0173 C.
0174 C. Execute, after the success of OBSTBL upload.
0175 C. Set EIS TI-commands
0176 +. TI 2009-08-01 11:01:50.0
0177 DC 07-FC EIS_MODE_CHG_ENA
0178 BC (20)
0179 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0180 C. *****
0181 C. EIS END OBSTBL LOAD
0182 C. *****
0183 C.
0184 . C. ***** MDP `uAÎoî»ô%YqEÂDq¹qèDCBC•x²è *****
0185 C. (%â°iYôYÃYÈYËYËYáYçYèqE½/qâ¼Â»Ûq¹qè)
0186 . S. DC-BC dcbc-402:DCBC
0187 (MDP_known_event)
0188 C.
0189 C.
0190 . C. ***** YDÿ¹•İ Daily±;İÑqÈ'Øq¹qèDCBC•x²è *****
0191 . S. DC-BC dcbc-153:DCBC
0192 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0193 C.

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0194 C.
0195 . C. ;ãLOS¥Á¥§¥Ã¥-¼Á»Û;ã
0196 C.
0197 . C. ***** LOS *****
0198 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 06 80 80 20 20)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 07 80 60 20 18)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 08 80 80 20 08)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 09 80 80 08 20)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 0a a0 80 18 20)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 0b 80 80 10 10)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0c 80 80 08 08)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0d 80 80 06 06)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 0f 80 80 04 04)
0142 + DC 07-F0 MDP_XRT_ROI_SET
0143 BC (cd 10 80 80 10 10)
0144 . C. ----- Success Verify ? OK / NG ____
0145 C.
0146 C.
0147 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0148 C.
0149 +. DC 07-F0 MDP_XRT_MODE_OBSV
0150 BC (c2)
0151 +. TI 2009-08-01 11:01:02.0
0152 DC 07-F0 MDP_XRT_MODE_OBSV
0153 BC (c2)
0154 . C. ----- Success Verify ? OK / NG ____
0155 C.
0156 C. ***** XRT END *****
0157 C.
0158 . C. ***** MDP (cd 01 b1 b1 04 04) *****
0159 C. (cd 02 b1 b1 08 08)
0160 . S. DC-BC dcbc-402:DCBC
0161 (MDP_known_event)
0162 C.
0163 C.
0164 . C. ***** Daily (cd 01 b1 b1 04 04) *****
0165 . S. DC-BC dcbc-153:DCBC
0166 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0167 C.
0168 C.
0169 . C. ;ãLOS (cd 01 b1 b1 04 04)
0170 C.
0171 . C. ***** LOS *****
0172 C.
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*** OP Sequence for XRT ***

2009/08/01	11:11:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	11:11:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00	
2009/08/01	11:12:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	00 00 00 00	00	
2009/08/01	11:12:16.0	XRT_FLD_DIS_419_OG [0x1a3]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/08/01	11:12:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/08/01	11:12:20.0	XRT_ARS_DIS_434_OG [0x1b2]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/08/01	11:12:22.0	XRT_QT_PROG_SET_424_OG [0x1a8]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05		
2009/08/01	11:12:24.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/01	12:23:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	12:49:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/01	14:02:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	14:28:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/01	14:28:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	14:35:00.0	XRT_Custom_430_OG [0x1ae]					
2009/08/01	14:36:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/01	15:11:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	15:11:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00	
2009/08/01	15:12:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 ac 00 00	00	
2009/08/01	15:12:16.0	XRT_QT_PROG_SET_413_OG [0x19d]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04		
2009/08/01	15:12:18.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/08/01	15:12:20.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/08/01	15:12:22.0	XRT_FLRCTRL_DIS_418_OG [0x1a2]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/08/01	15:27:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/01	15:40:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	16:01:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	16:24:30.0	XRT_Custom_430_OG [0x1ae]					
2009/08/01	16:25:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/01	17:19:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	17:38:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	18:01:24.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	18:01:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00	
2009/08/01	18:01:30.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	00 00 00 00	00	
2009/08/01	18:01:46.0	XRT_FLD_DIS_419_OG [0x1a3]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/08/01	18:01:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/08/01	18:01:50.0	XRT_ARS_DIS_410_OG [0x19a]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/08/01	18:04:28.0	XRT_QT_PROG_SET_412_OG [0x19c]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08		
2009/08/01	18:04:30.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/01	18:11:24.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	18:11:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00	
2009/08/01	18:11:30.0	AOCS_Ore-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	00 00 00 54	00	
2009/08/01	18:11:46.0	XRT_QT_PROG_SET_423_OG [0x1a7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2009/08/01	18:11:48.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/08/01	18:11:50.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/08/01	18:11:52.0	XRT_FLRCTRL_DIS_418_OG [0x1a2]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/08/01	18:26:30.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/01	18:57:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/01	19:15:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					

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2009/08/01	19:38:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/01	19:39:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
2009/08/01	20:11:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/01	20:11:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/01	20:11:30.0	XRT_FOCUS_POSITION	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/08/01	20:11:30.0	AOCS_Ore-point_Start_4_OG [0x09a]								
2009/08/01	20:11:46.0	XRT_QT_PROG_SET_407_OG [0x197]	AOCU_NM	5	02-76	01	00	00	00	00
2009/08/01	20:13:24.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09			
2009/08/01	20:13:26.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/08/01	20:13:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/08/01	20:13:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/08/01	20:36:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/01	20:52:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/01	21:15:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/01	21:16:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
2009/08/01	22:14:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/01	22:30:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/01	22:51:30.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/01	22:52:30.5	XRT_CTRL_AUTO_432_OG [0x1b0]								
2009/08/01	23:53:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	00:07:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	00:19:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	01:31:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	01:32:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	01:57:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	03:06:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	03:10:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	03:36:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	04:35:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	04:48:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	05:14:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	05:48:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	05:48:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	05:48:30.0	AOCS_Ore-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/08/02	05:48:46.0	XRT_FLD_DIS_419_OG [0x1a3]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/08/02	05:48:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	AOCU_NM	5	02-76	00	00	00	00	00
2009/08/02	05:48:50.0	XRT_ARS_DIS_410_OG [0x19a]	XRT_QT_PROG_SET_407_OG [0x197]	5	02-76	00	00	00	00	00
2009/08/02	05:51:28.0	XRT_QT_PROG_SET_431_OG [0x1af]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/08/02	05:51:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/08/02	05:58:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/08/02	05:58:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2009/08/02	05:58:30.0	AOCS_Ore-point_Start_4_OG [0x09a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	05:58:46.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	06:00:24.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	06:00:26.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/08/02	06:00:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/08/02	06:00:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/08/02	06:16:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	06:27:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				

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2009/08/02	06:53:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	07:56:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	08:05:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	08:31:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	09:36:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	09:44:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	10:10:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	11:22:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	11:48:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	13:01:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	13:27:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	14:39:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	15:02:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	15:14:30.0	XRT_Custom_430_OG [0x1ae]								
2009/08/02	15:15:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	16:18:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	16:38:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	17:01:30.0	XRT_Custom_430_OG [0x1ae]								
2009/08/02	17:02:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	17:45:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	17:45:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/08/02	17:46:00.0	AOCs_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 00 00 00 00				
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/08/02	17:46:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9				
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/08/02	17:46:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/08/02	17:46:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5				
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2009/08/02	17:48:58.0	XRT_QT_PROG_SET_412_OG [0x19c]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	17:49:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	17:55:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	17:55:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/08/02	17:56:00.0	AOCs_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	01 00 00 00 00				
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2009/08/02	17:56:16.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	17:56:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/08/02	17:57:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/08/02	17:57:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9				
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/08/02	17:57:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	17:58:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	18:15:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	18:38:30.0	XRT_Custom_430_OG [0x1ae]								
2009/08/02	18:39:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	19:35:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	19:52:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	20:15:00.0	XRT_Custom_430_OG [0x1ae]								
2009/08/02	20:16:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	21:13:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	21:29:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	21:52:30.0	XRT_Custom_430_OG [0x1ae]								
2009/08/02	21:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/02	22:52:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/02	23:07:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				

2009/08/02	23:27:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/02	23:28:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	00:30:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	00:44:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	00:56:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	02:07:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	02:09:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	02:34:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	03:41:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	03:47:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	04:13:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	05:13:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	05:26:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	05:51:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	05:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	05:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/08/03	06:00:00.0	AOCs_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 00 00 00 00		
2009/08/03	06:00:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/08/03	06:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/08/03	06:00:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/08/03	06:02:58.0	XRT_QT_PROG_SET_431_OG [0x1af]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06		
2009/08/03	06:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	06:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	06:09:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/08/03	06:10:00.0	AOCs_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	01 00 00 00 00		
2009/08/03	06:10:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2009/08/03	06:11:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/08/03	06:11:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/08/03	06:11:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/08/03	06:12:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	06:54:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	07:04:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	07:30:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	08:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	08:43:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	09:08:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	10:15:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	10:21:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	10:47:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	12:00:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	12:25:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	13:38:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	14:04:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/08/03	15:17:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	15:38:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	15:52:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/08/03	15:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		

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2009/08/03	15:54:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	16:01:30.0	XRT_Custom_430_OG [0x1ae]							
2009/08/03	16:02:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/03	16:55:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	17:14:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	17:38:00.0	XRT_Custom_430_OG [0x1ae]							
2009/08/03	17:39:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/03	17:55:24.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	17:55:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba] XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/08/03	17:55:30.0	AOCS_ORe-point_Start_1_OG [0x097] AOCU_NM	5	02-76	00	00	00	00	00
2009/08/03	17:55:46.0	XRT_FLD_DIS_419_OG [0x1a3] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/08/03	17:55:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/08/03	17:55:50.0	XRT_ARS_DIS_410_OG [0x19a] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/08/03	17:58:28.0	XRT_QT_PROG_SET_412_OG [0x19c] MDP_XRT_QT_PROG_SET	2	07-F0	c4	08			
2009/08/03	17:58:30.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/03	18:05:24.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	18:05:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/08/03	18:05:30.0	AOCS_ORe-point_Start_4_OG [0x09a] AOCU_NM	5	02-76	01	00	00	00	00
2009/08/03	18:05:46.0	XRT_QT_PROG_SET_420_OG [0x1a4] MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2009/08/03	18:07:24.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/08/03	18:07:26.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/08/03	18:07:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/08/03	18:07:30.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/03	18:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	18:51:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	19:15:00.0	XRT_Custom_430_OG [0x1ae]							
2009/08/03	19:16:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/03	20:12:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	20:29:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	20:52:30.0	XRT_Custom_430_OG [0x1ae]							
2009/08/03	20:53:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/03	21:51:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	22:06:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	22:28:30.0	XRT_Custom_430_OG [0x1ae]							
2009/08/03	22:29:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/03	23:29:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	23:44:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	23:55:00.5	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/03	23:55:03.5	XRT_FOCUS_RECALIBRATE_402_OG [0x192] XRT_FOCUS_RECAL	2	07-F8	78	00			
2009/08/03	23:59:03.5	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/08/03	23:59:23.5	XRT_QT_PROG_SET_406_OG [0x196] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a			
2009/08/04	00:01:01.5	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/08/04	00:01:03.5	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/08/04	00:01:05.5	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/08/04	00:01:07.5	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/04	01:08:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/04	01:12:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/08/04	01:33:30.5	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/08/04	02:05:00.0	XRT_CTRL_MANU_428_OG [0x1ac] MDP_XRT_CTRL_MANU	1	07-F0	c1				

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2009/08/04	02:05:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]						
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2009/08/04	02:05:22.0	XRT_QT_PROG_SET_407_OG [0x197]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	09		
2009/08/04	02:07:00.0	XRT_ARS_DIS_422_OG [0x1a6]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/08/04	02:07:02.0	XRT_FLD_DIS_445_OG [0x1bd]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/08/04	02:07:04.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/08/04	02:07:06.0	XRT_CTRL_AUTO_403_OG [0x193]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/08/04	02:43:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	02:47:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	03:12:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/08/04	04:11:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	04:25:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	04:50:30.5	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/08/04	05:52:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	06:04:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	06:29:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/08/04	06:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	06:29:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]						
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2009/08/04	06:30:00.0	AOCS_OrE-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	00	00	00	00
2009/08/04	06:30:16.0	XRT_FLD_DIS_419_OG [0x1a3]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/08/04	06:30:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/08/04	06:30:20.0	XRT_ARS_DIS_410_OG [0x19a]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/08/04	06:32:58.0	XRT_QT_PROG_SET_431_OG [0x1af]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	06		
2009/08/04	06:33:00.0	XRT_CTRL_AUTO_403_OG [0x193]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/08/04	06:39:54.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	06:39:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]						
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2009/08/04	06:40:00.0	AOCS_OrE-point_Start_4_OG [0x09a]						
		AOCU_NM	5	02-76	01	00	00	00
2009/08/04	06:40:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	14		
2009/08/04	06:41:54.0	XRT_ARS_DIS_422_OG [0x1a6]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/08/04	06:41:56.0	XRT_FLD_DIS_445_OG [0x1bd]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/08/04	06:41:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/08/04	06:42:00.0	XRT_CTRL_AUTO_403_OG [0x193]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/08/04	07:32:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	07:42:30.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	08:07:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/08/04	09:12:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	09:21:00.0	XRT_CTRL_MANU_435_OG [0x1b3]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	09:46:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/08/04	09:47:54.0	XRT_CTRL_MANU_428_OG [0x1ac]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/08/04	09:48:00.0	AOCS_OrE-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	00	00	00	00