

XRT Timeline to be uploaded on 2010/02/06

Period: 2010/02/06 10:51:00 - 2010/02/11 09:50:00

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Normal mode

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XOB #1773: HOP 146 CH Boundary - Al/mesh+Ti/Poly- 2048x2048,4x4												
Term	Pointing (x, y)	Comment										
02/06 11:04:02 - 02/06 14:29:24	Track (-14.0, -0.1) @ 02/06 11:01:00	# OP start + 10min, EIS sensitivity monitoring.										
02/06 14:43:02 - 02/07 09:39:56	Track (75.1, 547.4) @ 02/06 14:40:00	# ToO HOP 131, on-disk CH helioseismology - EIS scan runs twice.										
02/07 18:23:32 - 02/07 23:04:54	Fixed (-16.0, 950.0)	# HOP 146, SW source region study, N pole.										
02/07 23:08:02 - 02/08 05:57:24	Fixed (-16.0, -913.0)	* HOP 146, S pole.										
PROG= 04 Inf.-time(s)												
└─ Subr= 1 1-time(s) 1200.0sec												
└─┬─ Seqn= 23 1-time(s) 2.0sec												
└─┬─ Open/Al-mesh Open/Al-mesh close Safe Norm 4.00s Obs 4x4 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─┬─ Open/Ti-poly Open/Ti-poly close Safe Norm 16.0s Obs 4x4 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 #170C: Synoptic Q95 2x2 - Al/mesh(45/512) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(128/1024) + G-band(16)												
Term	Pointing (x, y)	Comment										
02/06 14:32:30 - 02/06 14:39:54	Fixed (0.0, 0.0)	synoptic, shifted manually.										
02/07 09:43:02 - 02/07 09:49:54	Fixed (0.0, 0.0)	synoptic, shifted manually.										
02/07 18:13:30 - 02/07 18:20:24	Fixed (0.0, 0.0)	synoptic, shifted 10.5 min										
02/08 06:00:30 - 02/08 06:07:24	Fixed (0.0, 0.0)	synoptic, shifted -2.5 min										
02/08 18:03:00 - 02/08 18:09:54	Fixed (0.0, 0.0)	synoptic										
02/09 06:03:00 - 02/09 06:09:54	Fixed (0.0, 0.0)	synoptic										
PROG= 17 1-time(s)												
└─ Subr= 1 1-time(s) 12.0sec												
└─┬─ Seqn= 43 1-time(s) 4.0sec												
└─┬─┬─ Open/Al-mesh Open/Ti-poly close Safe Norm 44ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─┬─┬─ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─┬─ Seqn= 2 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= 40 1-time(s) 4.0sec												
└─┬─┬─ Open/Ti-poly Open/Ti-poly close Safe Norm 125ms 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												
└─┬─ Seqn= 11 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 #1771: AR multifilter - Al/mesh,Ti/Poly, G-bandFOV512 AEC3 Q95(60s)												
Term	Pointing (x, y)	Comment										
02/07 09:53:02 - 02/07 17:46:30	Track (773.6, 448.0) @ 02/07 09:50:00	# Tracking AR 11043.										
02/08 18:13:02 - 02/09 05:59:54	Track (-92.2, 527.1) @ 02/08 18:10:00	# Track active complex in E.										
02/09 06:13:02 - 02/09 09:59:54	Track (5.9, 528.0) @ 02/09 06:10:00	# Cont.										
PROG= 13 Inf.-time(s)												
└─ Subr= 2 1-time(s) 2.0sec												
└─┬─ Seqn= 41 1-time(s) 2.0sec												
└─┬─┬─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1024, 1024) Q=98 0 0 2.0sec												
└─┬─ Subr= 1 60-time(s) 60.0sec												
└─┬─┬─ Seqn= 20 1-time(s) 4.0sec												
└─┬─┬─┬─ Open/Al-mesh Open/Ti-poly close Safe Norm 250ms Obs 1x1 512x512 (1024, 1024) Q=95 3 0 2.0sec												
└─┬─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 512x512 (1024, 1024) Q=95 3 0 2.0sec												
└─┬─ Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1769: AR multifilter - Al/mesh,Ti/Poly, G-bandFOV512 AEC3 Q95(5min)												
Term	Pointing (x, y)	Comment										
02/08 06:10:32 - 02/08 17:59:54	Fixed (850.0, 400.0)	# AR 11043 at W limb, fixed pointing.										
PROG= 15 Inf.-time(s)												
└─ Subr= 2 1-time(s) 2.0sec												
└─┬─ Seqn= 41 1-time(s) 2.0sec												
└─┬─┬─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1024, 1024) Q=98 0 0 2.0sec												
└─┬─ Subr= 1 16-time(s) 300.0sec												
└─┬─┬─ Seqn= 20 1-time(s) 4.0sec												
└─┬─┬─┬─ Open/Al-mesh Open/Ti-poly close Safe Norm 250ms Obs 1x1 512x512 (1024, 1024) Q=95 3 0 2.0sec												
└─┬─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 512x512 (1024, 1024) Q=95 3 0 2.0sec												
└─┬─ Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1747: Dark - Open+Thick-Be - 8x8 - 512x512												
Term	Pointing (x, y)	Comment										
02/09 10:02:58 - 02/09 10:03:58	Track (5.9, 528.0) @ 02/09 06:10:00	# Cont.										

PROG= 16 1-time(s)
 └ **Subr= 1 1-time(s) 2.0sec**
 └ **Seqn= 47 1-time(s) 2.0sec**
 Open/thick-Be Open/thick-Be close Safe Dark 63ms Obs 8x8 512x512 (1024, 1024) DPCM 0 0 2.0sec
 Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

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Flare mode

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XOB #175E: Flare Response - Dynamics - Thick-Al - Thick-Be - AEC 1 - 384x384 - Q95

Term	Pointing (x, y)	Comment
02/06 11:04:02 - 02/06 14:29:24	Track (-14.0, -0.1) @ 02/06 11:01:00	# OP start + 10min, EIS sensitivity monitoring.
02/06 14:43:02 - 02/07 09:39:56	Track (75.1, 547.4) @ 02/06 14:40:00	# ToO HOP 131, on-disk CH helioseismology - EIS scan runs twice.
02/07 09:53:02 - 02/07 17:46:30	Track (773.6, 448.0) @ 02/07 09:50:00	# Tracking AR 11043.
02/07 18:23:32 - 02/07 23:04:54	Fixed (-16.0, 950.0)	# HOP 146, SW source region study, N pole.
02/07 23:08:02 - 02/08 05:57:24	Fixed (-16.0, -913.0)	* HOP 146, S pole.
02/08 06:10:32 - 02/08 17:59:54	Fixed (850.0, 400.0)	# AR 11043 at W limb, fixed pointing.
02/08 18:13:02 - 02/09 05:59:54	Track (-92.2, 527.1) @ 02/08 18:10:00	# Track active complex in E.
02/09 06:13:02 - 02/09 09:59:54	Track (5.9, 528.0) @ 02/09 06:10:00	# Cont.

PROG= 20 1-time(s)
 └ **Subr= 1 1-time(s) 2.0sec**
 └ **Seqn= 75 15-time(s) 20.0sec**
 Open/thick-Al Open/thick-Al close Safe Norm 1.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec
 Open/thick-Be Open/thick-Be close Safe Norm 2.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec
 └ **Seqn= 35 1-time(s) 4.0sec**
 Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
 └ **Subr= 2 8-time(s) 2.0sec**
 └ **Seqn= 75 15-time(s) 60.0sec**
 Open/thick-Al Open/thick-Al close Safe Norm 1.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec
 Open/thick-Be Open/thick-Be close Safe Norm 2.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec
 └ **Seqn= 35 1-time(s) 4.0sec**
 Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
 └ **Subr= 3 25-time(s) 2.0sec**
 └ **Seqn= 75 1-time(s) 600.0sec**
 Open/thick-Al Open/thick-Al close Safe Norm 1.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec
 Open/thick-Be Open/thick-Be close Safe Norm 2.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec
 └ **Seqn= 35 1-time(s) 4.0sec**
 Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
 Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

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Active Region Search

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NOT USED

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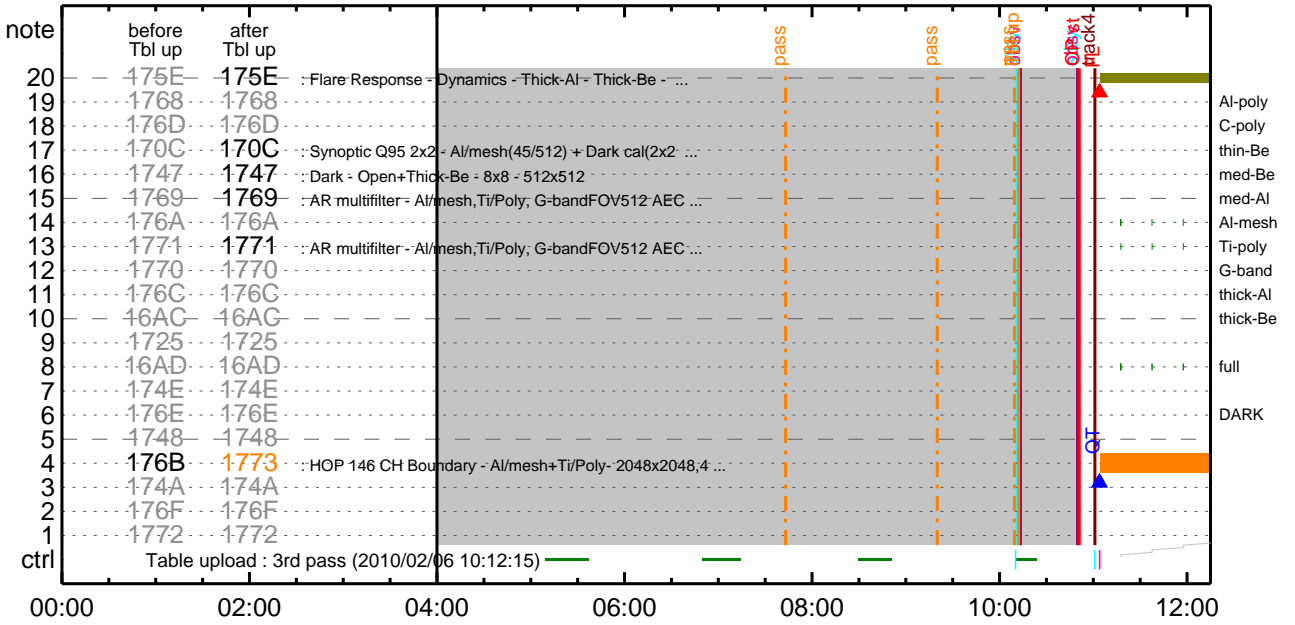
Flare Detection

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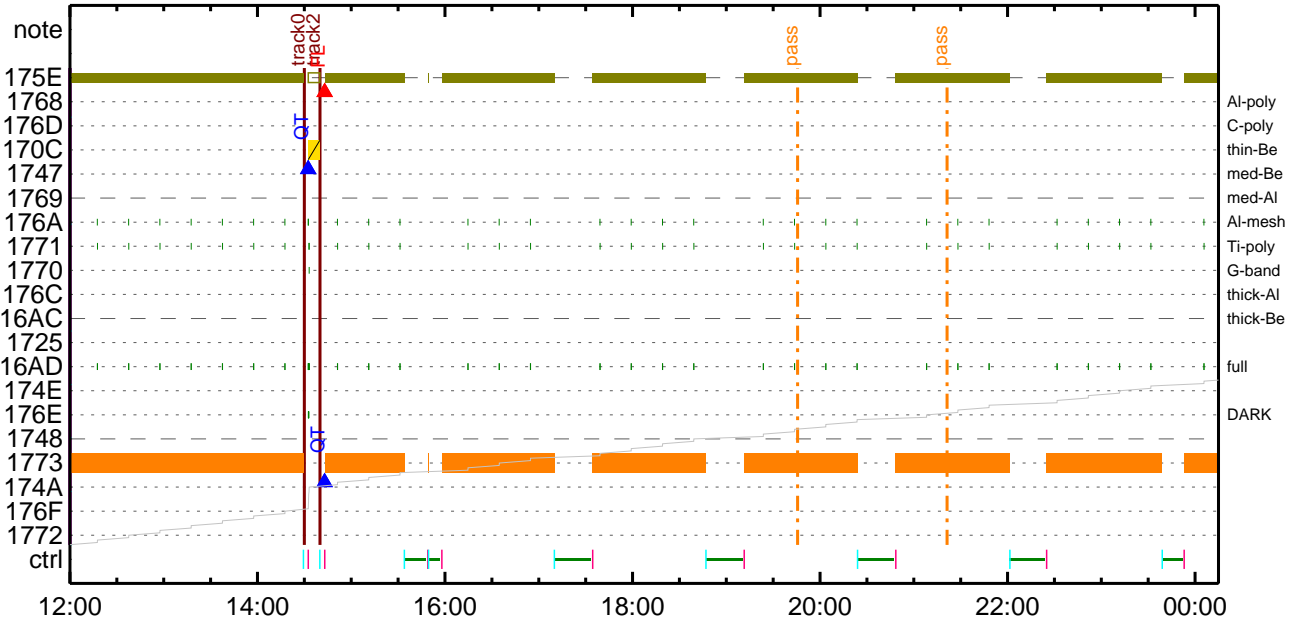
FLD Patrol

Term	Pointing (x, y)	Comment
02/06 11:01:16 - 02/06 14:29:46	Track (-14.0, -0.1) @ 02/06 11:01:00	# OP start + 10min, EIS sensitivity monitoring.
02/06 14:40:16 - 02/07 09:40:18	Track (75.1, 547.4) @ 02/06 14:40:00	# ToO HOP 131, on-disk CH helioseismology - EIS scan runs twice.
02/07 09:50:16 - 02/07 18:10:46	Track (773.6, 448.0) @ 02/07 09:50:00	# Tracking AR 11043.
02/07 18:20:46 - 02/08 05:57:46	Fixed (-16.0, 950.0)	# HOP 146, SW source region study, N pole.
02/08 06:07:46 - 02/08 18:00:16	Fixed (850.0, 400.0)	# AR 11043 at W limb, fixed pointing.
02/08 18:10:16 - 02/09 06:00:16	Track (-92.2, 527.1) @ 02/08 18:10:00	# Track active complex in E.
02/09 06:10:16 - 02/09 10:00:16	Track (5.9, 528.0) @ 02/09 06:10:00	# Cont.
Open/Ti-poly	Open/thick-Al close Safe Norm 8ms Obs 8x8	Q=50 120sec
Default Filter	Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center)	Comp. AEC Buffer Interval

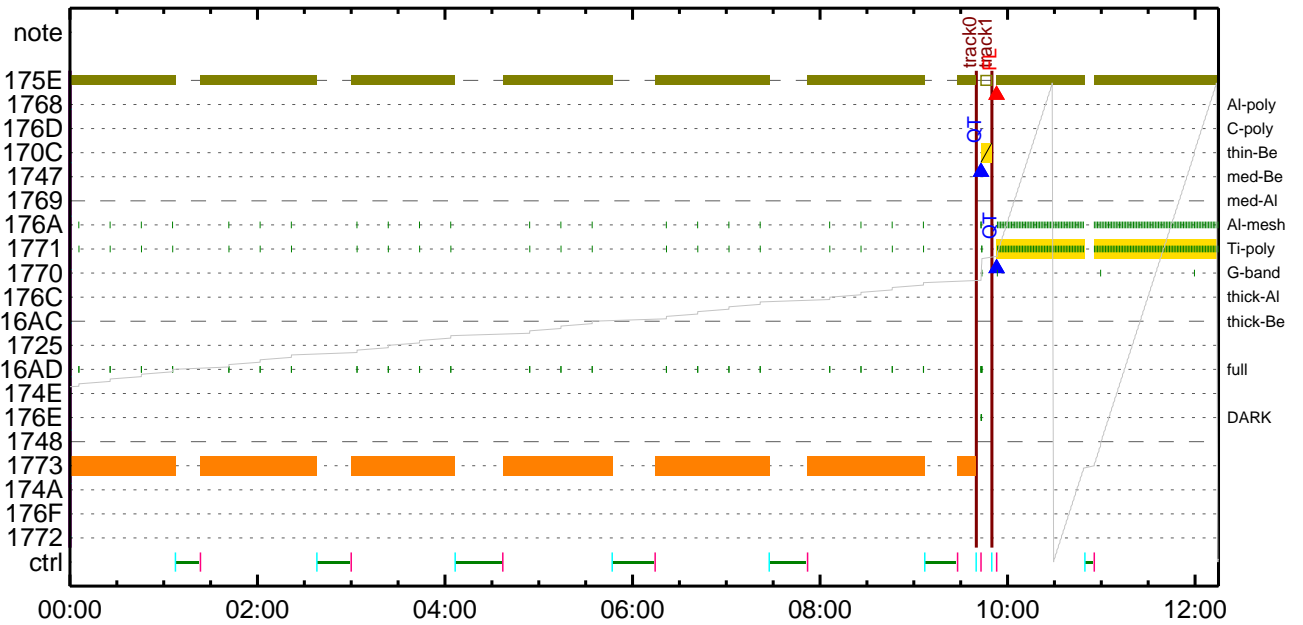
CMDI #0054 2010/02/06



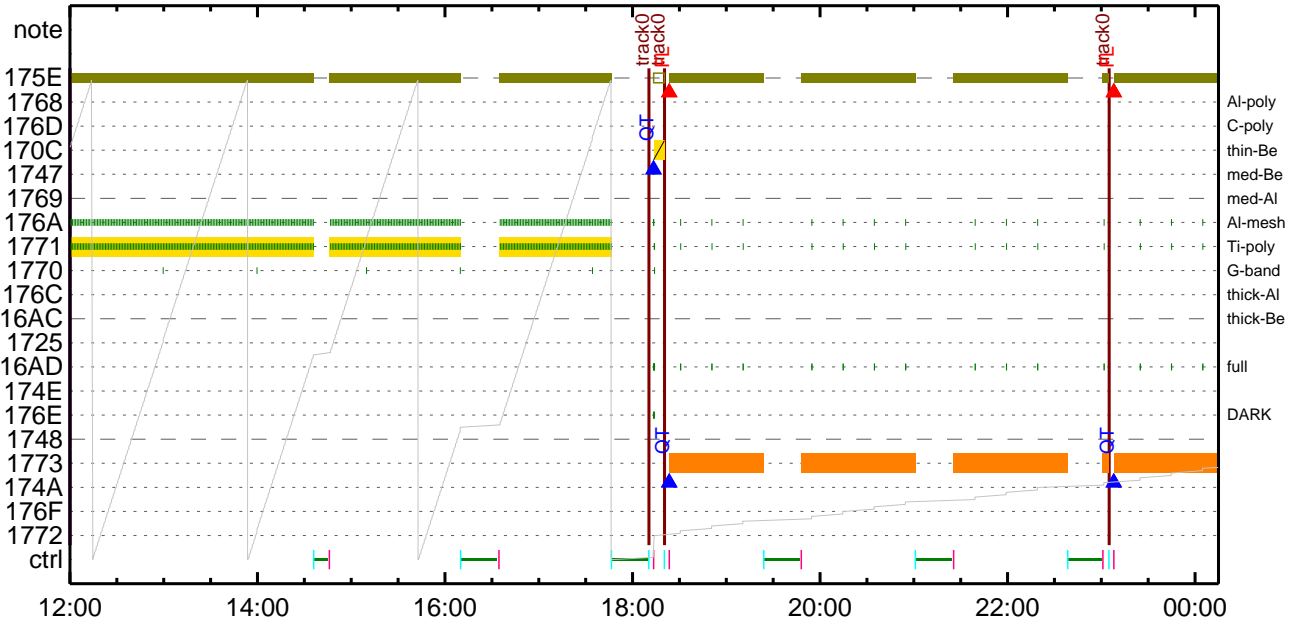
CMDI #0054 2010/02/06



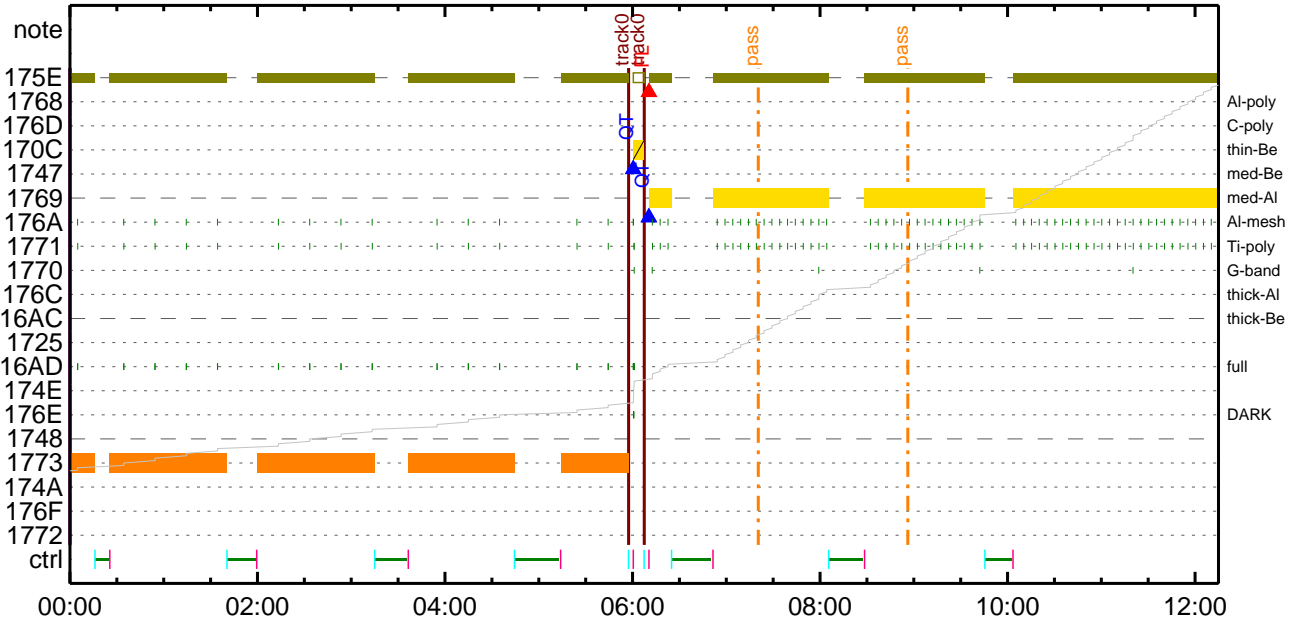
CMDI #0054 2010/02/07



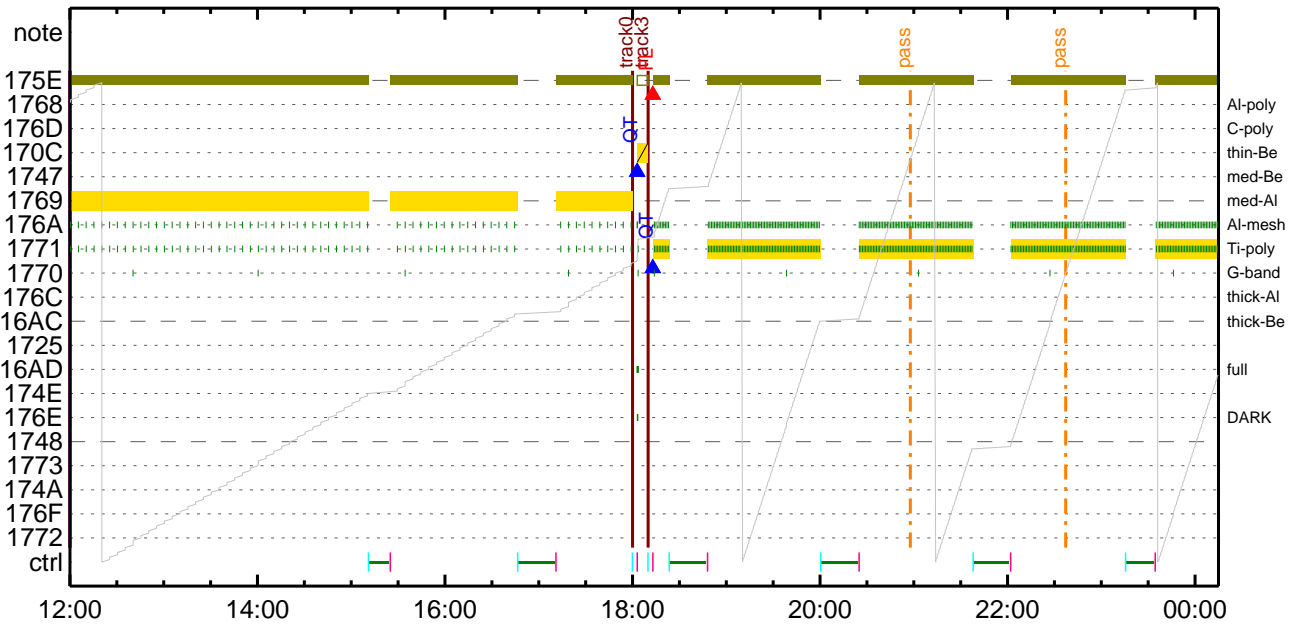
CMDI #0054 2010/02/07



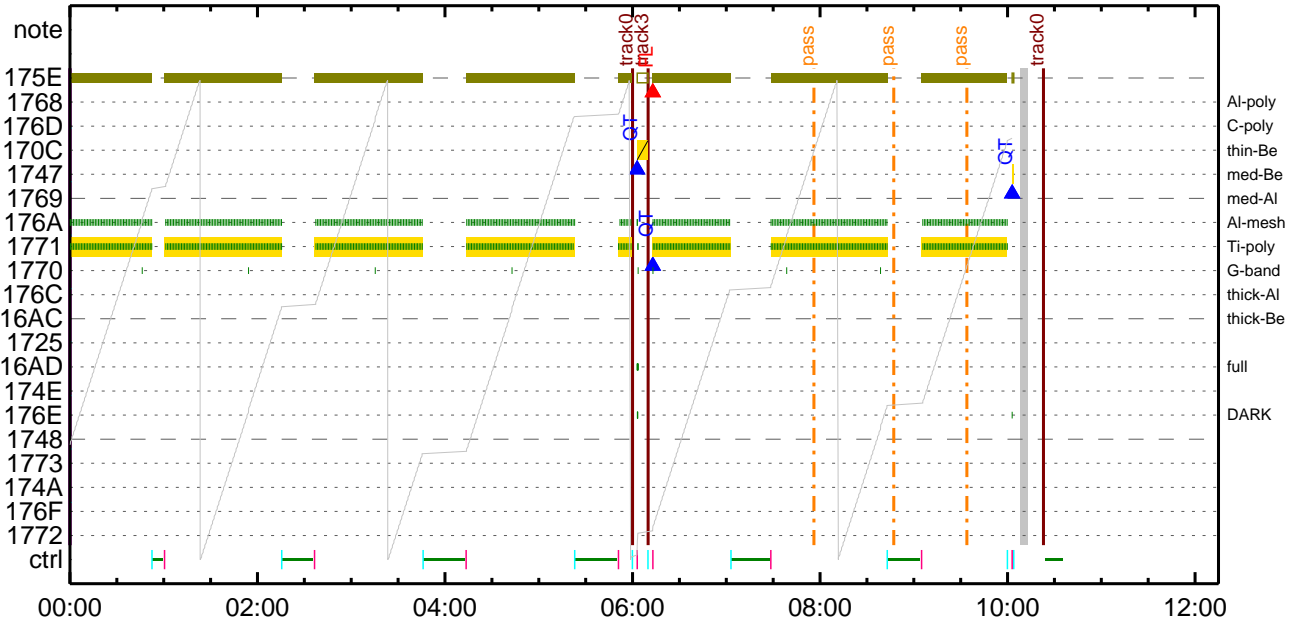
CMDI #0054 2010/02/08



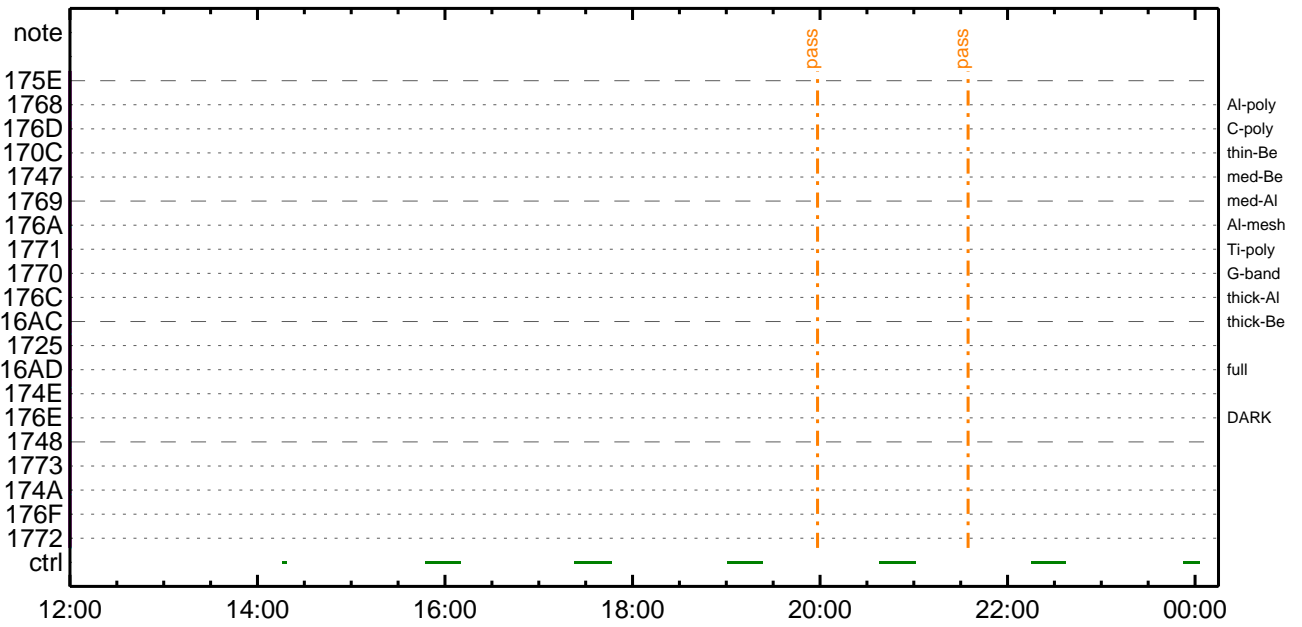
CMDI #0054 2010/02/08



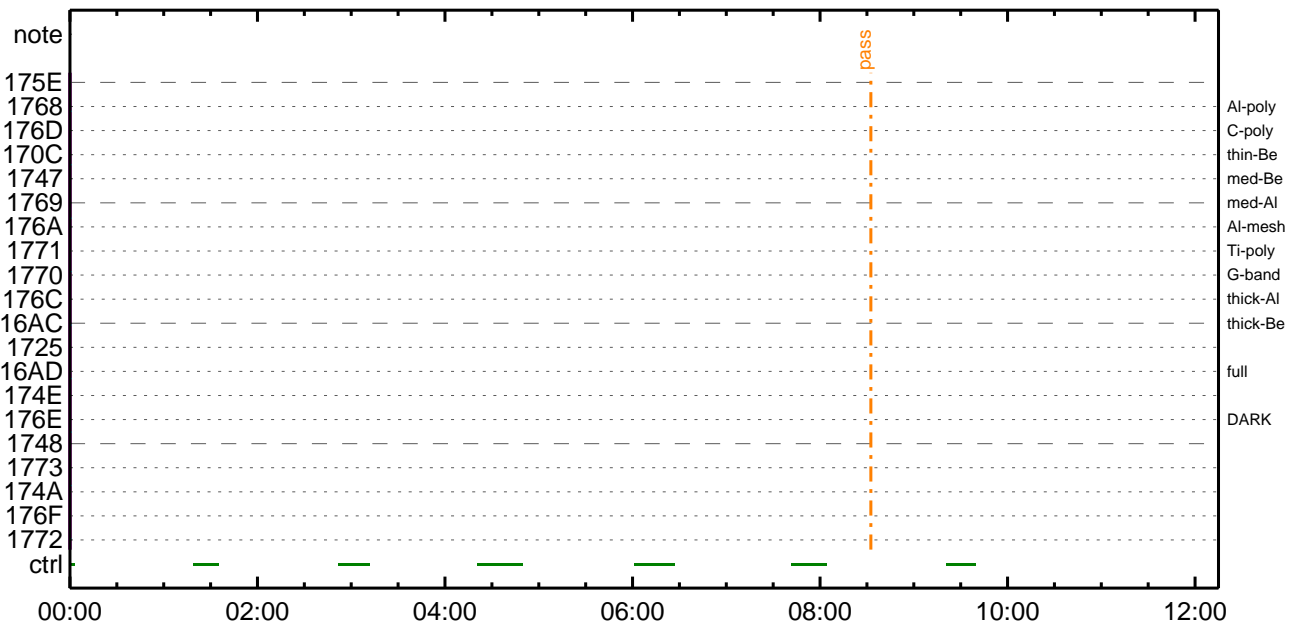
CMDI #0054 2010/02/09



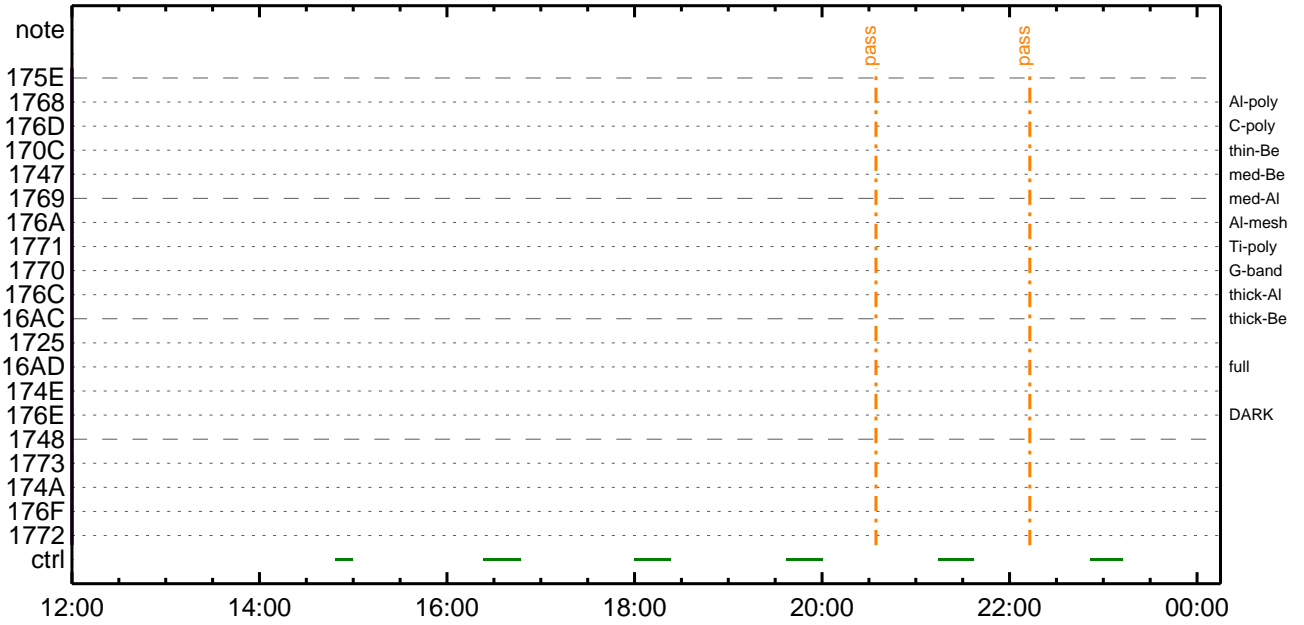
CMDI #0054 2010/02/09



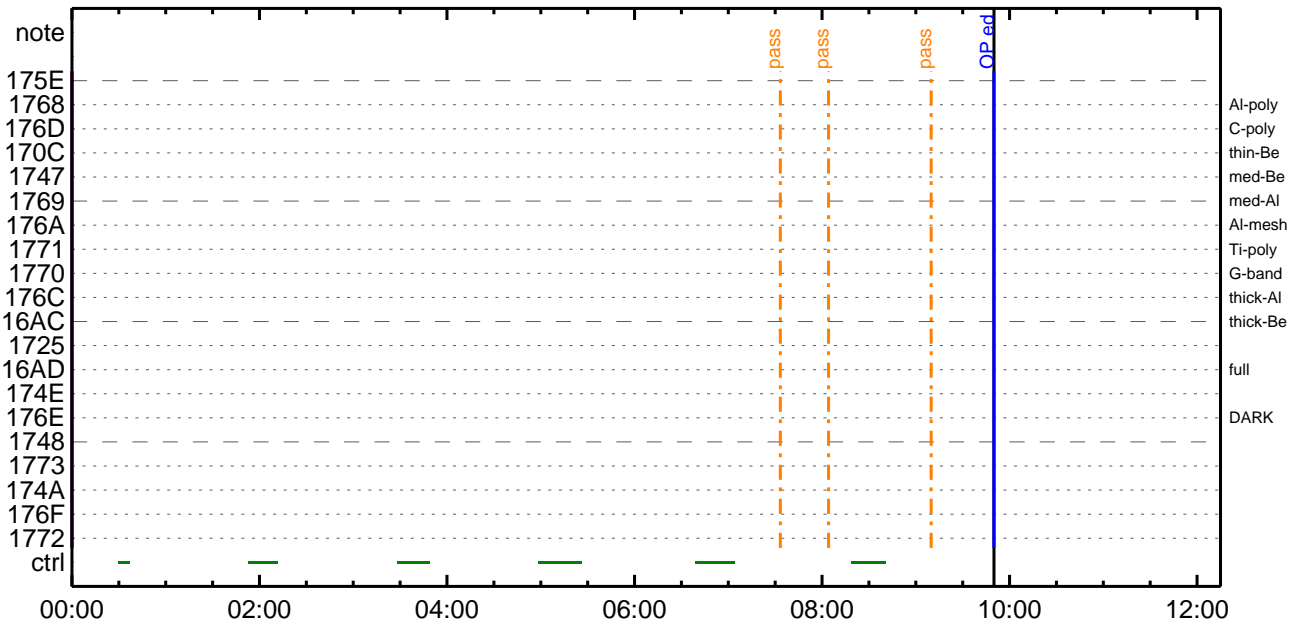
CMDI #0054 2010/02/10



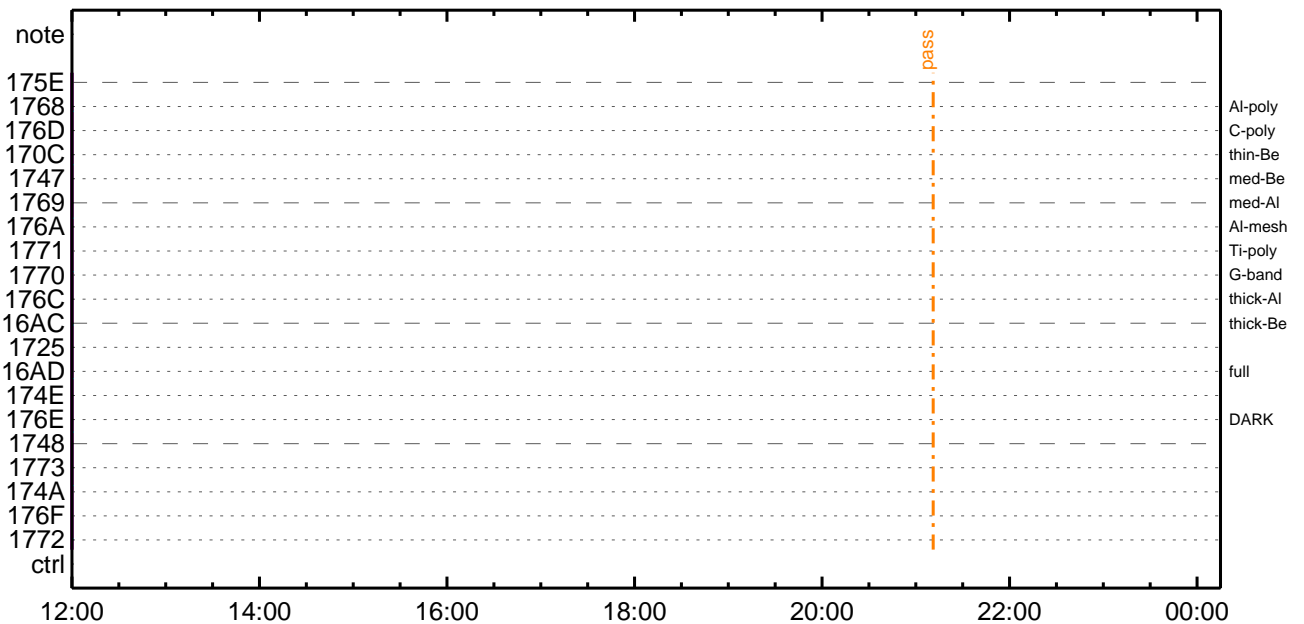
CMDI #0054 2010/02/10



CMDI #0054 2010/02/11



CMDI #0054 2010/02/11




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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-151:OP
0104 ( )
0105 S. OG og-151: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=NMOG²î½E¹ç•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=NMOG²î½E¹ç•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=OP²î½E¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî½A´¶Á°òEÉ-ò°Á÷¿@ (¼âµ-YAYOXx½ê½çòðÁÓÆòÇ¼ª°²òE¼î¹çòçòâ) *****
0167 C. DHUYâ;4YE;E½Y½, Yî;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 UPLOAD²-Á÷¿@NG²î½î¹ç;ç°E²¼òîTI-CMDÁ÷¿@²î½Á¹Ô²°²E²ò²³òE;f
0180 C. ²²ò¿;çSET²E²DUMP²îE±²îY¹²ç¹Ô²|²³òE;f
0181 C.
0182 C. TIY³Y²YóYÉòðÁDî¿(UT)
0183 +. TI 2010-02-06 10:46:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2010-02-06 10:46:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2010-02-06 10:46:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2010-02-06 10:50:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.      €€[HK1_TI_CMD_NUM]                      EQ      1COUNTUP
0198 C.
0199 C. °È²¼ªîÄë%îíñªîî¥Á¥§¥Á¥-¹àîü
0200 C.      €€[HK1_TI_CMD_ENA/DIS]                  EQ      ENA
0201 C.      €€[HK1_TI_CMD_NUM]                      EQ      4
0202 C.      €€[HK1_NEXT_EXEC_PIM]                   EQ      DHU
0203 C.      €€[HK1_NEXT_EXEC_DC]                     EQ      0xB3
0204 C.
0205 C. *****
0206 C. Tíîî°è¥Á¥Ö¥×
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.      €€[HK1_DMP_TOP_ADRS_1]                   EQ      07
0213 C.      €€[HK1_DMP_TOP_ADRS_0]                   EQ      2B
0214 C.      €€[HK1_DMP_BLOCK_NUM]                     EQ      3
0215 C.      €€[HK1_DMP_REPEAT_NUM]                   EQ      0
0216 C.      €€[HK1_DMA_DMP_PIM]                       EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.      €€[HK1_PKT_FORM_NO]                       EQ      7
0220 C.      €€[HK1_PKT_GEN_TIME]                       EQ      0.25 s
0221 C.      €€[HK1_S_TLM_BIT_RATE]                   EQ      32k
0222 C.      €€[HK1_X_TLM_BIT_RATE]                   EQ      4M
0223 C.      €€[HK1_DMP_CHK_FLG]                       EQ      EXEC
0224 C.
0225 C. ¥Á¥Ö¥×½ªî»ª³îç§
0226 C.      €€[HK1_DMP_CHK_FLG]                       EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLªîî³È¹çª³è²îOKª³îç§
0229 C.
0230 C. DHU¥ª;¼¥È;È¼¥½. ¥î;¼¥È;Èªªîªª¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.      €€[HK1_PKT_FORM_NO]                       EQ      2
0234 C.      €€[HK1_PKT_GEN_TIME]                       EQ      0.5S
0235 C.      €€[HK1_S_TLM_BIT_RATE]                   EQ      32K
0236 C.      €€[HK1_X_TLM_BIT_RATE]                   EQ      4M
0237 C.
0238 C.
0239 C. ***** XRT START *****
0240 C. Execute, after the success of OP upload.
0241 +. TI 2010-02-06 10:50:00.0
0242 DC 07-F0 MDP_XRT_MODE_STBY
0243 BC      (c3)
0244 C.      [ ] [HK1_TI_CMD_NUM]                      EQ      1COUNTUP
0245 C.
0246 C. ***** XRT END *****
0247 C. Stop EIS observation and temporarily disable EIS mode changes
0248 C.
0249 C.
0250 C. ***** Start EIS operation (TI set) *****
0251 C. Execute, after the success of OP upload.
0252 C. Set EIS TI-commands
0253 +. TI 2010-02-06 10:50:30.0
0254 DC 07-FC EIS_MODE_MANU
0255 BC      (21 02)
0256 +. TI 2010-02-06 10:50:40.0
0257 DC 07-FC EIS_MODE_CHG_DIS
0258 BC      (22)
0259 C.      [ ] [HK1_TI_CMD_NUM]                      EQ      2 COUNTUP
0260 C. ***** End EIS operation (TI set) *****
0261 C.
0262 C.
0263 C. *****
0264 C. SOT TI command set
0265 C. *****
0266 C. Execute, after the success of OP upload.
0267 +. TI 2010-02-06 10:50:16.0
0268 DC 07-F0 MDP_SOT_MODE_STBY
0269 BC      (41)
0270 C. -----
0271 C.      HK1_TI_CMD_NUM = 1 CNTUP [ ]
0272 C. -----
0273 C. ***** SOT END *****
0274 C.
0275 C. ***** MDP ´ûÃîî»ö¼ÝªÈªªª¹ªèDCBCªx²è *****
0276 C. (¼ªªîî¥Á¥È¥¥¥¥¥á¥ç¥èªÈ¼ªªªª»Ûª¹ªè)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ¥Ð¥¹.î Daily±çîñªè´ªª¹ªèDCBCªx²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOS¥Á¥§¥Á¥-¼ª»Û;ã
0287 C.
0288 C. ***** LOS *****
0289 C.
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-153 2010-02-06 11:33:29 132 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÄY-¼Ä»Û;ä
0005 C.
0006 C. YÄYB;¼Y³YFÝÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èð¿ðAb•µ°E»Í×ÁÇóÍYçYÄY×Yí;¼YÉ;ÈÈè%µ•ííÉ;ÈèÈ¼°ÇÓð•¼¿¼í¹çðí;çÀ®. ùñ¹ðèðèðçÁ+¿®ð•ðÈððð³ðÈ;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 20)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 80 20 08)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 80 80 08 20)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 80 80 08 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0f 80 80 06 06)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 10 80 80 04 04)
0052 + DC 07-F0 MDP_XRT_AEC_RESET
0053 BC (d0)
0054 . C. ----- Success Verify ? OK / NG ____
0055 C.
0056 C.
0057 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0058 C.
0059 +. DC 07-F0 MDP_XRT_MODE_OBSV
0060 BC (c2)
0061 +. TI 2010-02-06 10:50:02.0
0062 DC 07-F0 MDP_XRT_MODE_OBSV
0063 BC (c2)
0064 . C. ----- Success Verify ? OK / NG ____
0065 C.
0066 C. ***** XRT END *****
0067 . C. *****
0068 C. SOT table upload
0069 C. *****
0070 . C. < Stop FG table >
0071 +. DC 07-F0 MDP_FG_CTRL_MANU
0072 BC (51)
0073 . C. -----
0074 C. MDP_FG_CTRL_MODE = MANU [ ]
0075 C. -----
0076 C.
0077 . C. <Upload FG Observation Table>
0078 . S. RAM ram-264:MDP_OBS_F
0079 ( )
0080 C.
0081 . C. < Dump RAMID=MDP_OBS_F >
0082 +. DC 07-F0 MDP_DUMP_FGTBL
0083 BC (82 07 00 00 00 38 b8)
0084 C. -----
0085 C. MDP_OBS_F verify = OK/NG [ ]
0086 C. -----
0087 C.
0088 . C. < Stop SP table >
0089 +. DC 07-F0 MDP_SP_CTRL_MANU
0090 BC (61)
0091 C. -----
0092 C. MDP_SP_CTRL_MODE = MANU [ ]
0093 C. -----
0094 C.
0095 . C. <Upload SP Observation Table>
```

```
0096 . S. RAM ram-282:MDP_OBS_S
0097 ( )
0098 C.
0099 . C. < Dump RAMID=MDP_OBS_S >
0100 +. DC 07-F0 MDP_DUMP_SPTBL
0101 BC (83 07 00 00 00 38 b8)
0102 C. -----
0103 C. MDP_OBS_S verify = OK/NG [ ]
0104 C. -----
0105 C.
0106 C. *****
0107 C. SOT TI command set
0108 C. *****
0109 C. Execute, after the success of TBL upload.
0110 +. TI 2010-02-06 10:50:18.0
0111 DC 07-F0 MDP_SOT_MODE_OBSV
0112 BC (40)
0113 C. -----
0114 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0115 C. -----
0116 C.
0117 C.
0118 . C. ***** MDP 'uÃiñï»ö%ÿoËÂÐ¹ªëDCBC•x²è *****
0119 C. (%ã°ï¥Ö¥Ã¥Ë¥P¥Ë¥ã¥ç¥ëª%¼ª¼Ã»Û¹ªè)
0120 . S. DC-BC dcbc-402:DCBC
0121 (MDP_known_event)
0122 C.
0123 C.
0124 . C. ***** ¥D¥¹·ï Daily±;ïÑªË'Ø¹ªëDCBC•x²è *****
0125 . S. DC-BC dcbc-153:DCBC
0126 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0127 C.
0128 C.
0129 . C. ;ãLOS¥Á¥S¥Ã¥-¼Ã»Û;ã
0130 C.
0131 . C. ***** LOS *****
0132 C.
```

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*** OP Sequence for XRT ***

2010/02/06	11:00:54.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/06	11:00:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2010/02/06	11:01:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	04 00 00 00 00		
2010/02/06	11:01:16.0	XRT_FLD_ENA_449_OG [0x1c1]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2010/02/06	11:01:18.0	XRT_FLD_RESET_448_OG [0x1c0]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2010/02/06	11:01:20.0	XRT_FLRCTRL_ENA_443_OG [0x1bb]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/02/06	11:01:22.0	XRT_ARS_DIS_432_OG [0x1b0]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/02/06	11:03:58.0	XRT_QT_PROG_SET_402_OG [0x192]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04		
2010/02/06	11:04:00.0	XRT_FL_PROG_SET_444_OG [0x1bc]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 14		
2010/02/06	11:04:02.0	XRT_CTRL_AUTO_407_OG [0x197]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/06	14:29:24.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/06	14:29:26.0	XRT_FOCUS_POSITION_408_OG [0x198]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2010/02/06	14:29:46.0	XRT_FLD_DIS_409_OG [0x199]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2010/02/06	14:29:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2010/02/06	14:29:50.0	XRT_ARS_DIS_411_OG [0x19b]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/02/06	14:30:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2010/02/06	14:32:28.0	XRT_QT_PROG_SET_406_OG [0x196]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2010/02/06	14:32:30.0	XRT_CTRL_AUTO_407_OG [0x197]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/06	14:39:54.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/06	14:39:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2010/02/06	14:40:00.0	AOCS_Ore-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	02 00 00 00 00		
2010/02/06	14:40:16.0	XRT_FLD_ENA_449_OG [0x1c1]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2010/02/06	14:40:18.0	XRT_FLD_RESET_448_OG [0x1c0]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2010/02/06	14:40:20.0	XRT_FLRCTRL_ENA_443_OG [0x1bb]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/02/06	14:40:22.0	XRT_ARS_DIS_432_OG [0x1b0]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/02/06	14:42:58.0	XRT_QT_PROG_SET_402_OG [0x192]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04		
2010/02/06	14:43:00.0	XRT_FL_PROG_SET_444_OG [0x1bc]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 14		
2010/02/06	14:43:02.5	XRT_CTRL_AUTO_407_OG [0x197]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/06	15:34:00.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/06	15:48:00.0	XRT_Custom_420_OG [0x1a4]					
2010/02/06	15:49:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/06	15:49:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/06	15:57:00.0	XRT_Custom_420_OG [0x1a4]					
2010/02/06	15:58:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/06	17:10:00.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/06	17:33:30.0	XRT_Custom_420_OG [0x1a4]					
2010/02/06	17:34:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/06	18:47:00.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/06	19:10:30.0	XRT_Custom_420_OG [0x1a4]					
2010/02/06	19:11:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/06	20:24:00.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/06	20:47:30.0	XRT_Custom_420_OG [0x1a4]					
2010/02/06	20:48:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/06	22:01:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/06	22:24:00.0	XRT_Custom_420_OG [0x1a4]					
2010/02/06	22:25:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/06	23:39:00.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/06	23:52:00.0	XRT_Custom_420_OG [0x1a4]					
2010/02/06	23:53:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		

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2010/02/07	01:07:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	01:22:30.0	XRT_Custom_420_OG [0x1a4]							
2010/02/07	01:23:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	02:38:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	02:59:00.0	XRT_Custom_420_OG [0x1a4]							
2010/02/07	03:00:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	04:06:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	04:36:00.0	XRT_Custom_420_OG [0x1a4]							
2010/02/07	04:37:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	05:47:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	06:13:30.0	XRT_Custom_420_OG [0x1a4]							
2010/02/07	06:14:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	07:27:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	07:51:00.0	XRT_Custom_420_OG [0x1a4]							
2010/02/07	07:52:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	09:07:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	09:27:00.0	XRT_Custom_420_OG [0x1a4]							
2010/02/07	09:28:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	09:39:56.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	09:39:58.0	XRT_FOCUS_POSITION_408_OG [0x198]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/02/07	09:40:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/02/07	09:40:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/02/07	09:40:20.0	XRT_FLRCTRL_DIS_410_OG [0x19a]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/02/07	09:40:22.0	XRT_ARS_DIS_411_OG [0x19b]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/02/07	09:43:00.0	XRT_QT_PROG_SET_406_OG [0x196]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2010/02/07	09:43:02.5	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	09:49:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	09:49:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/02/07	09:50:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2010/02/07	09:50:16.0	XRT_FLD_ENA_449_OG [0x1c1]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/02/07	09:50:18.0	XRT_FLD_RESET_448_OG [0x1c0]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/02/07	09:50:20.0	XRT_FLRCTRL_ENA_443_OG [0x1bb]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/02/07	09:50:22.0	XRT_ARS_DIS_432_OG [0x1b0]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/02/07	09:52:58.0	XRT_QT_PROG_SET_441_OG [0x1b9]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2010/02/07	09:53:00.0	XRT_FL_PROG_SET_444_OG [0x1bc]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 14				
2010/02/07	09:53:02.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	10:49:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	10:54:30.0	XRT_Custom_420_OG [0x1a4]							
2010/02/07	10:55:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	14:36:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	14:45:00.0	XRT_Custom_420_OG [0x1a4]							
2010/02/07	14:46:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	16:10:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	16:33:30.0	XRT_Custom_420_OG [0x1a4]							
2010/02/07	16:34:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/07	17:46:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	18:10:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/07	18:10:26.0	XRT_FOCUS_POSITION_408_OG [0x198]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/02/07	18:10:30.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/02/07	18:10:46.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/02/07	18:10:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				

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2010/02/07	18:10:50.0	XRT_ARS_DIS_411_OG [0x19b]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/02/07	18:13:28.0	XRT_QT_PROG_SET_406_OG [0x196]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2010/02/07	18:13:30.0	XRT_CTRL_AUTO_407_OG [0x197]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/07	18:20:24.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/07	18:20:26.0	XRT_FOCUS_POSITION_413_OG [0x19d]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/02/07	18:20:30.0	AOCS_ORe-point_Start_5_OG [0x09b]			
		AOCU_NM	5	02-76	00 ab 8e 01 68
2010/02/07	18:20:46.0	XRT_FLD_ENA_449_OG [0x1c1]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/02/07	18:20:48.0	XRT_FLD_RESET_448_OG [0x1c0]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/02/07	18:20:50.0	XRT_FLRCTRL_ENA_443_OG [0x1bb]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/02/07	18:20:52.0	XRT_ARS_DIS_432_OG [0x1b0]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/02/07	18:23:28.0	XRT_QT_PROG_SET_402_OG [0x192]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04
2010/02/07	18:23:30.0	XRT_FL_PROG_SET_444_OG [0x1bc]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 14
2010/02/07	18:23:32.5	XRT_CTRL_AUTO_407_OG [0x197]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/07	19:24:00.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/07	19:47:00.0	XRT_Custom_420_OG [0x1a4]			
2010/02/07	19:48:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/07	21:01:00.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/07	21:24:30.0	XRT_Custom_420_OG [0x1a4]			
2010/02/07	21:25:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/07	22:38:30.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/07	23:00:00.0	XRT_Custom_420_OG [0x1a4]			
2010/02/07	23:01:00.5	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/07	23:04:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/07	23:04:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/02/07	23:05:00.0	AOCS_ORe-point_Start_6_OG [0x09c]			
		AOCU_NM	5	02-76	00 51 26 01 68
2010/02/07	23:05:16.0	XRT_FLD_ENA_449_OG [0x1c1]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/02/07	23:05:18.0	XRT_FLD_RESET_448_OG [0x1c0]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/02/07	23:05:20.0	XRT_FLRCTRL_ENA_443_OG [0x1bb]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/02/07	23:05:22.0	XRT_ARS_DIS_432_OG [0x1b0]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/02/07	23:07:58.0	XRT_QT_PROG_SET_402_OG [0x192]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04
2010/02/07	23:08:00.0	XRT_FL_PROG_SET_444_OG [0x1bc]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 14
2010/02/07	23:08:02.5	XRT_CTRL_AUTO_407_OG [0x197]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/08	00:16:00.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/08	00:24:30.0	XRT_Custom_420_OG [0x1a4]			
2010/02/08	00:25:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/08	01:40:30.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/08	01:58:30.0	XRT_Custom_420_OG [0x1a4]			
2010/02/08	01:59:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/08	03:15:00.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/08	03:35:30.0	XRT_Custom_420_OG [0x1a4]			
2010/02/08	03:36:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/08	04:44:30.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/08	05:13:00.0	XRT_Custom_420_OG [0x1a4]			
2010/02/08	05:14:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/08	05:57:24.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/08	05:57:26.0	XRT_FOCUS_POSITION_408_OG [0x198]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/02/08	05:57:30.0	AOCS_ORe-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2010/02/08	05:57:46.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/02/08	05:57:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/02/08	05:57:50.0	XRT_ARS_DIS_411_OG [0x19b]			
		MDP_XRT_ARS_DIS	1	07-F0	d5

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2010/02/08	06:00:28.0	XRT_QT_PROG_SET_406_OG [0x196]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	11	
2010/02/08	06:00:30.0	XRT_CTRL_AUTO_407_OG [0x197]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/08	06:07:24.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/08	06:07:26.0	XRT_FOCUS_POSITION_413_OG [0x19d]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe	97 00	
2010/02/08	06:07:30.0	AOCS_Ore-point_Start_7_OG [0x09d]					
		AOCU_NM	5	02-76	00 dc	73 b4 73	
2010/02/08	06:07:46.0	XRT_FLD_ENA_449_OG [0x1c1]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2010/02/08	06:07:48.0	XRT_FLD_RESET_448_OG [0x1c0]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2010/02/08	06:07:50.0	XRT_FLRCTRL_ENA_443_OG [0x1bb]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/02/08	06:07:52.0	XRT_ARS_DIS_432_OG [0x1b0]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/02/08	06:10:28.0	XRT_QT_PROG_SET_439_OG [0x1b7]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f	
2010/02/08	06:10:30.0	XRT_FL_PROG_SET_444_OG [0x1bc]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	14	
2010/02/08	06:10:32.0	XRT_CTRL_AUTO_407_OG [0x197]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/08	06:25:00.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/08	06:50:30.5	XRT_Custom_420_OG [0x1a4]					
2010/02/08	06:51:30.5	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/08	08:05:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/08	08:27:30.0	XRT_Custom_420_OG [0x1a4]					
2010/02/08	08:28:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/08	09:45:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/08	10:02:30.0	XRT_Custom_420_OG [0x1a4]					
2010/02/08	10:03:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/08	15:11:00.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/08	15:24:00.0	XRT_Custom_420_OG [0x1a4]					
2010/02/08	15:25:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/08	16:46:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/08	17:10:00.0	XRT_Custom_420_OG [0x1a4]					
2010/02/08	17:11:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/08	17:59:54.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/08	17:59:56.0	XRT_FOCUS_POSITION_408_OG [0x198]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff	aa 00	
2010/02/08	18:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00	00 00 00	
2010/02/08	18:00:16.0	XRT_FLD_DIS_409_OG [0x199]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2010/02/08	18:00:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2010/02/08	18:00:20.0	XRT_ARS_DIS_411_OG [0x19b]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/02/08	18:02:58.0	XRT_QT_PROG_SET_406_OG [0x196]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	11	
2010/02/08	18:03:00.0	XRT_CTRL_AUTO_407_OG [0x197]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/08	18:09:54.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/08	18:09:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe	97 00	
2010/02/08	18:10:00.0	AOCS_Ore-point_Start_8_OG [0x09e]					
		AOCU_NM	5	02-76	03 00	00 00 00	
2010/02/08	18:10:16.0	XRT_FLD_ENA_449_OG [0x1c1]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2010/02/08	18:10:18.0	XRT_FLD_RESET_448_OG [0x1c0]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2010/02/08	18:10:20.0	XRT_FLRCTRL_ENA_443_OG [0x1bb]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/02/08	18:10:22.0	XRT_ARS_DIS_432_OG [0x1b0]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/02/08	18:12:58.0	XRT_QT_PROG_SET_441_OG [0x1b9]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0d	
2010/02/08	18:13:00.0	XRT_FL_PROG_SET_444_OG [0x1bc]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	14	
2010/02/08	18:13:02.0	XRT_CTRL_AUTO_407_OG [0x197]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/08	18:23:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/08	18:47:00.0	XRT_Custom_420_OG [0x1a4]					
2010/02/08	18:48:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/08	20:00:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/08	20:24:00.0	XRT_Custom_420_OG [0x1a4]					

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2010/02/08	20:25:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/08	21:38:00.0	XRT_CTRL_MANU_419_OG [0x1a3]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/08	22:01:00.0	XRT_Custom_420_OG [0x1a4]				
2010/02/08	22:02:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/08	23:15:30.0	XRT_CTRL_MANU_419_OG [0x1a3]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/08	23:33:30.0	XRT_Custom_420_OG [0x1a4]				
2010/02/08	23:34:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/09	00:52:30.0	XRT_CTRL_MANU_419_OG [0x1a3]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/09	00:59:30.0	XRT_Custom_420_OG [0x1a4]				
2010/02/09	01:00:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/09	02:15:30.0	XRT_CTRL_MANU_419_OG [0x1a3]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/09	02:35:30.0	XRT_Custom_420_OG [0x1a4]				
2010/02/09	02:36:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/09	03:46:00.0	XRT_CTRL_MANU_419_OG [0x1a3]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/09	04:12:30.0	XRT_Custom_420_OG [0x1a4]				
2010/02/09	04:13:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/09	05:23:00.0	XRT_CTRL_MANU_419_OG [0x1a3]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/09	05:50:00.0	XRT_Custom_420_OG [0x1a4]				
2010/02/09	05:51:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/09	05:59:54.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/09	05:59:56.0	XRT_FOCUS_POSITION_408_OG [0x198]				
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/02/09	06:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]				
		AOCU_NM	5	02-76	00 00 00 00 00	
2010/02/09	06:00:16.0	XRT_FLD_DIS_409_OG [0x199]				
		MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/02/09	06:00:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/02/09	06:00:20.0	XRT_ARS_DIS_411_OG [0x19b]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/02/09	06:02:58.0	XRT_QT_PROG_SET_406_OG [0x196]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11	
2010/02/09	06:03:00.0	XRT_CTRL_AUTO_407_OG [0x197]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/09	06:09:54.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/09	06:09:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]				
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/02/09	06:10:00.0	AOCS_ORe-point_Start_8_OG [0x09e]				
		AOCU_NM	5	02-76	03 00 00 00 00	
2010/02/09	06:10:16.0	XRT_FLD_ENA_449_OG [0x1c1]				
		MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/02/09	06:10:18.0	XRT_FLD_RESET_448_OG [0x1c0]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2010/02/09	06:10:20.0	XRT_FLRCTRL_ENA_443_OG [0x1bb]				
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2010/02/09	06:10:22.0	XRT_ARS_DIS_432_OG [0x1b0]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/02/09	06:12:58.0	XRT_QT_PROG_SET_441_OG [0x1b9]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d	
2010/02/09	06:13:00.0	XRT_FL_PROG_SET_444_OG [0x1bc]				
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 14	
2010/02/09	06:13:02.0	XRT_CTRL_AUTO_407_OG [0x197]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/09	07:03:00.0	XRT_CTRL_MANU_419_OG [0x1a3]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/09	07:27:30.0	XRT_Custom_420_OG [0x1a4]				
2010/02/09	07:28:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/09	08:43:00.0	XRT_CTRL_MANU_419_OG [0x1a3]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/09	09:04:00.0	XRT_Custom_420_OG [0x1a4]				
2010/02/09	09:05:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/09	09:59:54.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/02/09	09:59:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]				
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/02/09	10:00:16.0	XRT_FLD_DIS_409_OG [0x199]				
		MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/02/09	10:00:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/02/09	10:00:20.0	XRT_ARS_DIS_432_OG [0x1b0]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/02/09	10:02:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10	
2010/02/09	10:02:58.0	XRT_CTRL_AUTO_447_OG [0x1bf]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/02/09	10:03:58.0	XRT_CTRL_MANU_400_OG [0x190]				

2010/02/09	10:23:00.0	AOCS_ORe-point_Start_2_OG [0x098]	MDP_XRT_CTRL_MANU	1	07-F0	c1
		AOCU_NM		5	02-76	00 00 00 00 00